

Taiwan Institutional Research Cooperation

TWAEA

台灣校務精進協作計畫

2022 Analysis Report on Freshman Learning Adaptation - University

National Tainan Junior College of Nursing

March 2022

TIRC



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Background Information

I Survey Information

【Implementation Period】29th of September, 2021 to 7th of January, 2022

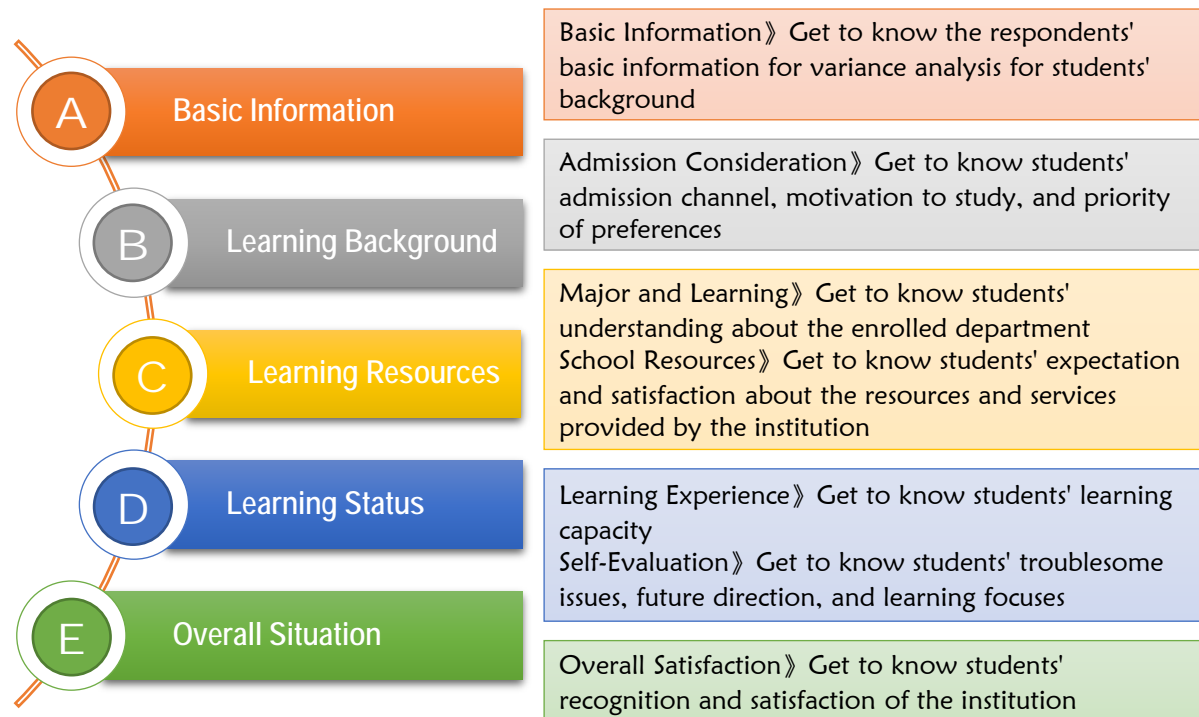
【Questionnaire Respondent】Students enrolled in the academic year 2021-22

【No. of Responding】40,105 Students

【No. of Participating Institution】53 institutions, including 11 public universities, 7 private universities, 8 public technological universities, and 27 private technological universities

【Longitudinal Analysis】If an institution has participated in the Freshman Learning Adaptation Survey in the academic year 2020-21, the statistics of 2021 will be shown in this report to help the institution conduct cross-year analysis.

2 Questionnaire Structure



3 Participating Institutions

(1) Chang Gung University

(2) Chang Jung Christian University

(3) Chaoyang University of Technology

(4) Cheng Shiu University

(5) Chien Hsin University of Science and Technology

(6) China University of Technology

(7) Chinese Culture University

(8) Chung Chou University of Science and Technology

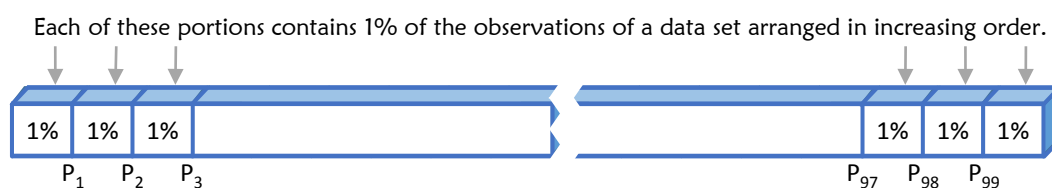


3 Participating Institutions (continued)

(9) Chung Hua University	(10) Chung Hwa University of Medical Technology
(11) Feng Chia University	(12) Hsing Wu University of Science and Technology
(13) Hsiuping University of Science and Technology	(14) Hwa Hsia University of Technology
(15) Jinwen University of Science and Technology	(16) Kao Yuan University
(17) Kun Shan University	(18) Lunghwa University of Science and Technology
(19) Meiho University	(20) Ming Chi University of Technology
(21) Minghsin University of Science and Technology	(22) Nan Kai University of Technology
(23) National Chi Nan University	(24) National Chiayi University
(25) National Chin-Yi University of Technology	(26) National Chung Cheng University
(27) National Chung Hsing University	(28) National Defense Medical Center
(29) National Formosa University	(30) National Pingtung University
(31) National Quemoy University	(32) National Taichung University of Education
(33) National Taichung University of Science and Technology	(34) National Tainan Junior College of Nursing
(35) National Taipei University of Business	(36) National Taipei University of Education
(37) National Taipei University of Nursing and Health Sciences	(38) National Taitung Junior College
(39) National Taiwan Normal University	(40) National Taiwan University of Science and Technology
(41) National United University	(42) Overseas Chinese University
(43) Providence University	(44) Shu-Te University
(45) Tainan University of Technology	(46) Taipei City University of Science and Technology
(47) Taipei University of Marine Technology	(48) Takming University of Science and Technology
(49) Tatung Institute of Technology	(50) TungFang Design University
(51) Tunghai University	(52) Wenzao Ursuline University of Languages
(53) Yuanpei University of Medical Technology	

4 Analysis Report Interpretation

- (1) The order of items listed in this report is based on the results from the analysis of quantitative data, qualitative analysis is not included. The result can be provided to the institutions for their improvements on Institutional Research (IR); moreover, the factors such as the characteristics and missions of the institutions, the development plans and environmental conditions shall all be considered for decision making, not from one perspective only to prevent the bias.
- (2) Percentiles are the summary measures that divide a ranked data set into 100 equal parts. Each data set has 99 percentiles that divide it into 100 equal parts. The data should be ranked in increasing order to compute percentiles. The k th percentile is denoted by P_k , where k is an integer in the range 1 to 99. For instance, the 25th percentile is denoted by P_{25} . Thus, the k th percentile, P_k , can be defined as a value in a data set such that about $k\%$ of the measurements are smaller than the value of P_k and about $(100-k)\%$ of the measurements are greater than the value of P_k . The following figure shows the positions of the 99 percentiles. (Mann 2013, p.121)



Mann, Prem S. (2013). *Introductory Statistics*. 8th ed. Hoboken, NJ: John Wiley & Sons.

- (3) “Likert Scale” is adopted in the questionnaire to have 1 to 5 to represent the level of agreement, satisfaction, understanding, and frequency; 1 to represent strongly disagree, very unsatisfied, no idea at all, and never happened while 5 represent strongly agree, very satisfied, understand fairly well, and very frequently. For the questions that are related to “agreement”, “satisfaction”, “understanding”, and “frequency”, 1 to 5 can be adopted to indicate the level of them for data demonstration and analysis comparison.
- (4) The number of response adopted for each question is provided in the “Overview Statistical Results” for users to see the whole picture without misunderstanding. Moreover, “Multiple Choice Questions with Single Answer” show the added number of response while “Multiple Choice Questions with Multiple Answers” cannot be added due to different number of answers and the meanings cannot be recognized for that. “Likert Scale” is used to understand the level of satisfaction and the number of response of each item is listed in the overview table.
- (5) The category of region is listed as follows:
 - 【Northern Region】Keelung City, Taipei City, New Taipei City, Taoyuan City, Hsinchu City, Hsinchu County, Yilan County
 - 【Central Region】Miaoli County, Taichung City, Changhua County, Nantou County, Yunlin County
 - 【Southern Region】Chiayi City, Chiayi County, Tainan City, Kaohsiung City, Pingtung County, Penghu County
 - 【Eastern Region】Hualien County, Taitung County
 - 【Other Region】Kinmen County, Lienchiang County, Foreign Countries
- (6) In order to reduce analysis errors, any institution that returns less than five samples for any survey question will not be calculated for the percentile.



I. Overview Statistical Results

No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
Q1	Gender(%)						
	(1) Male	19,948	49.74	50.09	51.85	6.25	--
	(2) Female	20,157	50.26	49.91	48.15	93.75	99
Q2	Status(%)						
	(1) Local student	38,575	96.19	96.11	97.87	100.00	99
	(2) Overseas Chinese student	673	1.68	1.74	1.36	--	--
	(3) Student from Mainland China	25	0.06	0.07	0.06	--	--
	(4) Student from Hong Kong or Macao	301	0.75	0.59	0.58	--	--
	(5) Foreign student	531	1.32	1.50	0.13	--	--
Q3	Family Financial Situation(%)						
	(1) Extremely rich	103	0.26	0.25	0.09	--	--
	(2) Rich	9,121	22.74	18.93	21.31	18.75	27
	(3) Middle class	26,629	66.40	68.41	67.39	78.12	99
	(4) Poor	3,571	8.90	10.35	9.48	3.12	--
	(5) Extremely poor	681	1.70	2.06	1.73	--	--
Q4	Culturally Unfavorable Background(%)						
	(1) The first one to study at university/college in the family	11,178	27.87	32.61	30.67	46.88	99
	(2) New immigrant or second generation of new immigrant	2,607	6.50	6.69	6.22	3.12	--
	(3) No culturally unfavorable background	27,112	67.60	63.06	66.13	59.38	15
Q5	Types of High School from Which Students Graduated(%)						
	(1) Ordinary Senior High School	16,344	40.75	12.18	6.03	12.50	--
	(2) Comprehensive High School-Academic Program	1,976	4.93	2.49	1.43	3.12	--
	(3) Comprehensive High School-Vocational Program	2,506	6.25	9.66	8.12	6.25	--
	(4) Vocational High School	17,203	42.89	67.52	64.54	78.12	91
	(5) Junior College	1,630	4.06	6.72	19.08	--	--
	(6) Home study	57	0.14	0.11	0.06	--	--
	(7) others	389	0.97	1.33	0.73	--	--
Q6	Locations of High School from Which Students Graduated(%)						
	(1) Northern Region	16,460	41.04	42.00	36.06	3.12	--
	(2) Central Region	11,119	27.72	24.96	41.22	25.00	61
	(3) Southern Region	10,614	26.47	28.52	18.58	62.50	80
	(4) Eastern Region	671	1.67	2.12	2.69	3.12	--
	(5) Other Region	1,241	3.09	2.40	1.45	6.25	--



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
Q7 Major Source of Tuition Fees(%)							
(1)	Contributions/remittance from family	29,362	73.21	67.86	73.76	68.75	31
(2)	Earnings from part-time job	8,171	20.37	27.53	26.21	31.25	78
(3)	Scholarship	2,100	5.24	6.28	5.05	--	--
(4)	Financial aids	9,145	22.80	23.87	16.13	12.50	--
Q8 Major Source of Educational and Living Expenses(%)							
(1)	Contributions/remittance from family	33,703	84.04	78.30	80.99	71.88	17
(2)	Earnings from part-time job	13,433	33.49	42.69	38.19	43.75	75
(3)	Scholarship	2,129	5.31	6.50	5.63	--	--
(4)	Financial aids	1,969	4.91	5.02	4.13	3.12	--
Q9 Ways of Gaining Admission to the School(%)							
(1)	Four-Year Completion and Two-Year Junior College Programs: Selection by Recommendation	8,305	20.71	32.80	30.93	18.75	32
(2)	Independent Recruitment	5,007	12.48	18.16	14.79	46.88	93
(3)	Four-Year Completion and Two-Year Junior College Programs: Selection by Specific Skills	1,392	3.47	5.34	6.03	12.50	--
(4)	Four-Year Completion and Two-Year Junior College Programs: Joint Enrolment and Allocation	5,487	13.68	22.23	28.84	15.62	37
(5)	College Entrance Examination: Personal Application	10,603	26.44	11.99	8.87	3.12	--
(6)	College Entrance Examination: Examination and Placement	4,755	11.86	2.49	2.11	3.12	--
(7)	College Entrance Examination: Stars Program	2,906	7.25	1.69	2.39	--	--
(8)	Outstanding Students Majoring in Specific Sports	448	1.12	1.55	0.49	--	--
(9)	Offshore islands and indigenous peoples	58	0.14	0.13	0.30	--	--
(10)	Entrance Exam for Disabled Students	358	0.89	1.27	0.51	--	--
(11)	others	786	1.96	2.36	4.73	--	--
Q10 Ways of Obtaining Information on the School(%)							
(1)	high school/technical school teachers	15,234	37.99	44.41	55.73	34.38	46
(2)	campus promotion by the current school	4,834	12.05	18.37	6.78	15.62	55
(3)	school reputation	8,862	22.10	18.26	32.82	25.00	72
(4)	department reputation	5,713	14.25	13.31	17.31	12.50	--
(5)	registration brochure	11,562	28.83	18.60	26.85	21.88	45



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(6)	family	9,256	23.08	19.27	19.31	12.50	--
(7)	friends, classmates, and senior classmates	13,138	32.76	33.72	31.01	37.50	76
(8)	the Internet	12,313	30.70	25.24	28.35	18.75	1
(9)	cram school	1,242	3.10	2.55	6.07	3.12	--
(10)	teachers from the current school	2,669	6.66	8.36	4.43	3.12	--
(11)	advertisements	712	1.78	1.83	1.09	3.12	--
Q11 Main Reasons for Choosing the School(%)							
(1)	grades/scores	23,389	58.32	44.14	58.03	25.00	9
(2)	career planning	13,790	34.38	35.44	38.47	62.50	98
(3)	goal/objectives of education	5,498	13.71	14.79	16.37	21.88	92
(4)	department reputation	6,869	17.13	17.40	19.05	6.25	--
(5)	school reputation	6,445	16.07	15.54	27.15	28.12	80
(6)	internalization	3,105	7.74	6.06	5.82	--	--
(7)	environment and facilities	4,553	11.35	9.38	7.91	9.38	--
(8)	faculty	3,128	7.80	8.16	8.23	15.62	91
(9)	advice from family	8,399	20.94	19.61	24.02	3.12	--
(10)	advice from teachers	6,375	15.90	15.97	20.14	18.75	72
(11)	advice from friends, classmates, and senior classmates	8,437	21.04	25.41	21.74	25.00	73
(12)	neighborhood and location	10,304	25.69	25.83	25.26	21.88	25
(13)	financial concerns	5,632	14.04	14.06	27.56	40.62	94
Q12 Considerations for Choosing the Major(%)							
(1)	personal interests	23,581	58.80	58.47	49.70	53.12	25
(2)	growing professional competence	22,938	57.19	59.34	59.50	75.00	99
(3)	employability	14,224	35.47	32.63	39.37	25.00	7
(4)	facilitating further education	5,375	13.40	12.60	15.99	25.00	96
(5)	admission via examination and placement	5,819	14.51	9.87	14.86	6.25	--
(6)	peer group	3,074	7.66	8.92	7.93	--	--
(7)	teachers and family	2,917	7.27	5.93	7.63	6.25	--
(8)	previous major	6,949	17.33	22.15	28.86	18.75	56
Q13 Choice Priority to the School(%)							
(1)	1st - 3rd choice	25,687	64.05	74.09	77.24	84.38	96
(2)	4th - 6th choice	9,061	22.59	17.02	16.52	9.38	--
(3)	7th - 10th choice	2,544	6.34	4.15	2.94	--	--
(4)	11th choice or lower	2,813	7.01	4.74	3.30	6.25	--



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
Q14 Choice Priority to the Department/Institute(%)							
(1)	1st - 3rd choice	31,813	79.32	84.47	83.10	87.50	86
(2)	4th - 6th choice	5,602	13.97	10.84	11.83	6.25	--
(3)	7th - 10th choice	1,282	3.20	2.17	2.43	--	--
(4)	11th choice or lower	1,408	3.51	2.52	2.64	6.25	--
Q15 Relevance between the Major and High School/Technical School Program							
(1)	Relevance between the Major and High School/Technical School Program	40,105	3.01	3.23	3.51	3.34	73
Q16 Major(%)							
(1)	Information Technology	4,160	10.37	10.01	12.58	--	--
(2)	Engineering	7,840	19.55	20.01	30.93	--	--
(3)	Mathematics, Physics and Chemistry	1,060	2.64	0.32	0.43	3.12	--
(4)	Medicine and Health	2,170	5.41	6.87	14.90	75.00	94
(5)	Life Sciences	533	1.33	0.75	1.21	3.12	--
(6)	Biological Resources	425	1.06	0.62	2.32	--	--
(7)	Earth and Environment	231	0.58	0.46	0.04	--	--
(8)	Architecture and Design	2,831	7.06	9.23	5.12	3.12	--
(9)	Art	1,985	4.95	7.12	2.84	6.25	--
(10)	Sociology and Psychology	943	2.35	1.24	0.60	6.25	--
(11)	Mass Communication	868	2.16	1.71	0.38	--	--
(12)	Foreign Language	2,045	5.10	4.72	2.84	--	--
(13)	Literature, History and Philosophy	796	1.98	0.39	0.77	--	--
(14)	Education	1,051	2.62	2.17	1.70	--	--
(15)	Law and Politics	572	1.43	0.20	0.04	--	--
(16)	Management	6,407	15.98	16.23	13.45	--	--
(17)	Finance and Economics	2,606	6.50	4.69	6.90	--	--
(18)	Recreation and Sports	3,272	8.16	12.30	2.35	--	--
(19)	Other Fields	310	0.77	0.95	0.58	3.12	--
Q17 Education Level(%)							
(1)	four-year college (daytime program)	34,957	87.16	80.47	59.34	--	--
(2)	four-year college (evening program)	2,521	6.29	9.28	14.20	--	--
(3)	two-year college (daytime program)	885	2.21	3.66	13.68	3.12	--
(4)	two-year college (evening program)	751	1.87	3.18	4.46	15.62	75
(5)	two-year technical school (daytime program)	387	0.96	1.61	6.05	40.62	90



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(6)	two-year technical school (evening program)	112	0.28	0.47	1.34	40.62	99
(7)	others	492	1.23	1.33	0.92	--	--
Q18 Activities Held for Freshmen(%)							
(1)	orientation held by school	14,512	36.19	35.08	35.25	40.62	55
(2)	orientation held by department/institute	19,135	47.71	43.09	43.73	21.88	1
(3)	gatherings with seniors	17,211	42.91	32.56	30.84	12.50	--
(4)	welcome activities	20,489	51.09	51.31	47.16	87.50	99
Q19 Understanding towards the Department/Institute							
(1)	learning scope and objectives	40,105	3.49	3.52	3.53	4.09	99
(2)	core competencies upon graduation	40,105	3.59	3.61	3.63	3.97	98
(3)	academic curriculum	40,105	3.55	3.57	3.59	3.84	88
(4)	connection between courses and employability	40,105	3.67	3.70	3.69	4.12	94
(5)	abilities which each course intends to build	40,105	3.67	3.70	3.70	4.09	99
(6)	graduation requirements	40,105	3.65	3.66	3.76	4.12	99
Q20 Satisfaction with Overall Curriculum							
(1)	academic challenge	40,105	3.65	3.65	3.80	4.12	99
(2)	teacher's professionalism	40,105	3.90	3.93	3.91	4.59	99
(3)	teaching quality	40,105	3.81	3.86	3.79	4.34	99
(4)	overall satisfaction	40,105	3.75	3.79	3.74	4.22	98
Q21 Expectation for Resources and Services Provided by the School							
(1)	efficient administrative service and flexible solutions	40,105	3.80	3.79	3.86	3.94	79
(2)	convenient course selection system	40,105	3.93	3.91	4.00	4.03	71
(3)	user friendly website	40,105	3.93	3.92	4.01	4.19	92
(4)	plentiful academic resources	40,105	3.79	3.78	3.87	3.97	79
(5)	decent facilities in the library	40,105	3.89	3.86	3.94	4.03	75
(6)	job-relevant internships	40,105	4.06	4.03	4.14	4.31	90
(7)	sound guidance for daily life and career counseling	40,105	3.95	3.94	4.03	4.31	94
(8)	decent support for obtaining certificates and its financial aids	40,105	4.02	4.02	4.12	4.50	99
(9)	decent support for participating in competitions and its financial aids	40,105	3.93	3.93	4.01	4.31	98
(10)	plentiful international interchange opportunities	40,105	3.89	3.85	3.91	4.28	94
(11)	sufficient opportunities for multiple learning	40,105	3.88	3.85	3.92	4.22	90



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(12)	international learning sources	40,105	3.77	3.74	3.81	3.88	75
(13)	flexible and appropriate curriculum	40,105	4.08	4.03	4.16	4.28	79
(14)	decent assistance for course selection	40,105	4.00	3.97	4.08	4.22	83
(15)	comprehensive liberal learning courses	40,105	3.93	3.89	3.98	4.09	75
(16)	e-learning and information technology support	40,105	3.87	3.87	3.98	4.12	94
(17)	practical teaching equipment	40,105	4.08	4.05	4.19	4.28	85
(18)	comfortable classrooms	40,105	4.18	4.14	4.27	4.53	94
(19)	multiple student clubs	40,105	3.91	3.90	3.92	4.25	98
(20)	decent dormitory and accommodation	40,105	3.96	3.85	3.96	3.84	35
(21)	good school cafeteria and dining arrangements	40,105	4.11	4.05	4.01	4.09	42
(22)	good amenities on campus	40,105	4.20	4.15	4.25	4.47	88
(23)	clean campus and environment	40,105	4.19	4.15	4.27	4.38	83
(24)	convenient transportation	40,105	4.20	4.15	4.26	4.22	54
(25)	useful information on housing	40,105	3.92	3.85	4.00	3.81	38
(26)	useful information on part-time jobs or scholarship	40,105	4.09	4.06	4.16	3.91	17

Q22 Satisfaction with Resources and Services Provided by the School

(1)	efficient administrative service and flexible solutions	34,752	3.47	3.56	3.46	3.93	98
(2)	convenient course selection system	37,535	3.58	3.65	3.59	4.00	99
(3)	user friendly website	38,598	3.59	3.65	3.64	3.97	98
(4)	plentiful academic resources	34,416	3.71	3.74	3.74	3.76	54
(5)	decent facilities in the library	34,901	3.85	3.86	3.85	3.93	73
(6)	job-relevant internships	29,450	3.66	3.73	3.68	3.88	90
(7)	sound guidance for daily life and career counseling	31,854	3.68	3.74	3.74	3.85	83
(8)	decent support for obtaining certificates and its financial aids	30,391	3.63	3.69	3.67	3.74	75
(9)	decent support for participating in competitions and its financial aids	29,833	3.60	3.67	3.63	3.71	71
(10)	plentiful international interchange opportunities	30,031	3.60	3.62	3.53	3.76	85
(11)	sufficient opportunities for multiple learning	31,537	3.63	3.65	3.59	3.90	94
(12)	international learning sources	31,909	3.58	3.61	3.56	3.79	85
(13)	flexible and appropriate curriculum	37,215	3.56	3.63	3.55	3.82	92



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(14)	decent assistance for course selection	35,462	3.60	3.67	3.61	3.93	98
(15)	comprehensive liberal learning courses	35,952	3.60	3.67	3.61	3.89	98
(16)	e-learning and information technology support	35,964	3.60	3.66	3.65	4.03	99
(17)	practical teaching equipment	37,414	3.59	3.66	3.61	3.94	98
(18)	comfortable classrooms	38,369	3.55	3.64	3.58	3.81	96
(19)	multiple student clubs	34,143	3.54	3.60	3.51	3.64	75
(20)	decent dormitory and accommodation	33,591	3.37	3.48	3.37	4.00	99
(21)	good school cafeteria and dining arrangements	36,073	3.25	3.36	3.00	3.91	98
(22)	good amenities on campus	38,112	3.51	3.61	3.63	4.00	98
(23)	clean campus and environment	38,534	3.70	3.73	3.81	4.16	98
(24)	convenient transportation	38,360	3.45	3.55	3.62	4.15	98
(25)	useful information on housing	29,636	3.38	3.48	3.42	3.84	99
(26)	useful information on part-time jobs or scholarship	31,682	3.44	3.54	3.48	3.83	98
Q23 Recognition of Curriculum Arrangement							
(1)	The syllabus is always clearly posted on the website before course selection.	40,105	3.59	3.57	3.60	3.75	71
(2)	I can obtain sufficient professional knowledge and skills through the institution's courses before graduation.	40,105	3.64	3.66	3.69	3.84	87
(3)	I can take the professional programs that I want from my institution.	40,105	3.58	3.62	3.59	3.94	98
Q24 Recognition of Foreign Language Competency							
(1)	I am capable of reading and understanding English text books.	40,105	3.08	2.98	2.99	3.34	83
(2)	My institution's graduation threshold for foreign languages can encourage me in studying harder.	40,105	3.17	3.17	3.22	3.28	75
(3)	I've passed more than one foreign language proficiency tests.	40,105	2.49	2.43	2.45	1.88	1
(4)	I believe that I can use foreign language fluently and effectively in communicating with others after graduation.	40,105	2.90	2.85	2.82	2.62	4



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
Q25 Frequency of Learning Activities							
(1)	ask classmates or seniors to help with class questions	40,105	2.96	2.89	2.93	2.56	2
(2)	help classmates with class questions	40,105	3.22	3.19	3.19	3.44	90
(3)	prepare for exams by discussing or practicing with classmates	40,105	3.39	3.33	3.38	4.12	99
(4)	work with other students on course projects or assignments	40,105	3.58	3.51	3.57	3.97	92
(5)	discuss course topics and ideas with teachers	40,105	3.04	3.11	3.03	3.66	98
(6)	prepare for class and summarize questions in advance	40,105	3.05	3.12	3.05	3.53	98
(7)	listen to teachers attentively and take notes	40,105	3.58	3.57	3.65	4.03	98
(8)	review notes after class and summarize lectures	40,105	3.34	3.31	3.38	3.75	98
(9)	collect information on courses without being asked	40,105	3.22	3.24	3.27	3.47	88
(10)	attend class regularly and punctually	40,105	3.92	3.91	4.17	4.09	69
(11)	meet the class requirements	40,105	4.05	4.00	4.22	4.56	94
Q26 Average Engagement on Particular Activity							
(1)	preparing for class	40,105	3.13	3.14	3.16	3.16	54
(2)	studying courses	40,105	3.41	3.35	3.46	3.22	12
(3)	preparing for certification exams or competitions	40,105	2.75	2.94	2.73	3.03	63
(4)	doing assignments or reports	40,105	3.60	3.56	3.65	4.06	98
(5)	extracurricular activities	40,105	2.80	2.83	2.55	2.28	2
(6)	community service or volunteering	40,105	2.36	2.54	2.36	2.12	23
(7)	leisure activities	40,105	3.32	3.30	3.27	3.28	37
(8)	using the Internet or smartphone	40,105	3.60	3.57	3.62	3.38	2
(9)	part-time job	40,105	2.39	2.66	2.32	2.47	56
(10)	spending time with family	40,105	3.35	3.47	3.24	3.66	77
(11)	spending time with girlfriend/boyfriend	40,105	2.26	2.44	2.16	2.41	63
Q27 Recognition of Learning Attitude							
(1)	think it interesting to learn most of the classes	40,105	3.34	3.39	3.30	3.62	94
(2)	find additional things to learn beside courses in school	40,105	3.44	3.48	3.44	3.56	71
(3)	learn things via multiple ways	40,105	3.39	3.41	3.43	3.50	73



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(4)	prepare for class	40,105	3.53	3.55	3.64	3.97	98
(5)	concentrate on studying and ignore distractions	40,105	3.22	3.27	3.25	3.47	92
(6)	ask questions in class	40,105	2.70	2.82	2.70	2.97	81
(7)	engage in course discussions and express opinions	40,105	3.05	3.09	3.07	3.25	81
(8)	solve problems at the best when facing challenges	40,105	3.58	3.56	3.66	3.78	81
(9)	stay positive and motivated	40,105	3.53	3.55	3.60	3.78	88
Q28 Recognition of Curriculum Learning							
(1)	keep up with class in general	40,105	3.43	3.44	3.39	3.62	81
(2)	concentrate on studying	40,105	3.35	3.36	3.38	3.38	54
(3)	make good use of time to learn	40,105	3.31	3.34	3.33	3.47	81
(4)	learn class materials effectively	40,105	3.20	3.25	3.14	3.28	57
(5)	feel satisfied with the academic performance	40,105	3.13	3.23	3.07	3.44	88
(6)	turn effort to academic performance proportionally	40,105	3.26	3.31	3.23	3.38	67
(7)	know how to ask for help while encountering difficulty in learning	40,105	3.50	3.50	3.52	3.88	96
(8)	set priorities and schedule appropriately	40,105	3.47	3.50	3.52	3.53	60
(9)	collaborate well with others on coursework	40,105	3.51	3.52	3.56	4.06	99
(10)	good at writing reports	40,105	3.19	3.17	3.21	3.38	83
(11)	deliver oral presentation readily	40,105	2.85	2.88	2.84	3.09	83
(12)	get to points from lecturers	40,105	3.26	3.28	3.26	3.41	79
Q29 Recognition of Teaching Methods							
(1)	lecture and explanation from teachers	40,105	3.52	3.52	3.55	3.97	98
(2)	assigned readings	40,105	3.50	3.51	3.54	3.94	98
(3)	videos or multimedia used for teaching	40,105	3.56	3.58	3.59	4.03	98
(4)	case study	40,105	3.62	3.62	3.67	4.06	96
(5)	interactive activities	40,105	3.51	3.54	3.55	3.94	98
(6)	teamwork	40,105	3.47	3.50	3.49	4.03	99
(7)	experiment and exercise with the aid of teachers	40,105	3.43	3.49	3.47	4.00	99
(8)	course project	40,105	3.41	3.44	3.42	3.69	88
(9)	keynote speech or demonstration	40,105	3.36	3.40	3.31	3.69	92
(10)	field trip or tour	40,105	3.11	3.20	3.06	2.91	17



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(11)	co-teaching or team-teaching	40,105	3.05	3.11	3.02	3.22	83
(12)	review and summary of key points by teachers after students watch teaching video	40,105	3.32	3.39	3.36	3.62	96
Q30 Troublesome Issues(%)							
(1)	preparing for class	18,554	46.26	43.77	55.43	53.12	82
(2)	getting learning support and resources	8,663	21.60	20.72	27.00	6.25	--
(3)	time management	20,149	50.24	45.14	50.04	62.50	86
(4)	emotional management	6,534	16.29	15.04	15.05	12.50	--
(5)	health management	7,634	19.04	16.49	16.33	12.50	--
(6)	Internet/online games addiction	5,408	13.48	11.80	13.13	--	--
(7)	interacting with family	4,232	10.55	9.81	10.21	9.38	--
(8)	financial pressure	10,942	27.28	28.87	23.87	12.50	--
(9)	interacting with teachers	3,765	9.39	9.21	9.50	3.12	--
(10)	participating in school clubs	4,060	10.12	9.68	9.68	9.38	--
(11)	interacting with classmates	9,348	23.31	21.69	24.38	3.12	--
(12)	future direction	13,427	33.48	30.59	33.23	25.00	19
(13)	socializing/interacting with the opposite sex	7,939	19.80	17.57	18.50	3.12	--
(14)	pressure from academic competition	10,027	25.00	21.20	30.65	21.88	40
Q31 Key Focus for Career and Life Planning(%)							
(1)	continuing the education in Taiwan	8,751	21.82	14.50	23.21	40.62	90
(2)	studying abroad	4,287	10.69	8.69	7.29	--	--
(3)	working	16,804	41.90	50.24	47.21	25.00	13
(4)	military service	905	2.26	2.88	1.94	--	--
(5)	under planning	9,358	23.33	23.69	20.35	34.38	99
Q32 Learning Focuses during School Years(%)							
(1)	professional skills at work	29,034	72.39	69.89	75.68	84.38	94
(2)	leadership, management and planning	17,922	44.69	41.95	45.48	46.88	63
(3)	software used for word processing	13,407	33.43	30.39	35.49	18.75	1
(4)	information technology application	12,346	30.78	26.48	33.65	9.38	--
(5)	foreign languages	20,716	51.65	44.73	54.14	34.38	17
(6)	transferring internationally	7,450	18.58	15.44	16.43	6.25	--
(7)	written communication	8,704	21.70	17.81	19.37	21.88	50
(8)	reading comprehension	11,172	27.86	24.50	26.07	21.88	19
(9)	clear and organized presentation	19,343	48.23	42.71	49.23	46.88	44



No.	Item	No. of response	Average of all 53 universities	Technological University	Public Technological University	NTIN(n=32)	
						Average	Percentile
(10)	interpersonal communication	23,073	57.53	54.22	57.74	59.38	51
(11)	teamwork	20,259	50.51	47.05	50.94	43.75	26
(12)	innovative and creative thinking	15,327	38.22	35.88	35.76	40.62	69
(13)	entrepreneurship	9,765	24.35	23.71	22.02	25.00	61
(14)	administrative coordination	6,970	17.38	14.58	17.16	12.50	--
(15)	problem detecting and solving	14,196	35.40	31.15	38.06	28.12	28
(16)	project implementation	9,867	24.60	21.36	26.09	15.62	11
(17)	numerical and logical reasoning	8,149	20.32	15.66	23.40	9.38	--
(18)	analysis and critical thinking	13,971	34.84	29.50	36.85	25.00	21
(19)	interdisciplinary integration	9,382	23.39	18.23	23.78	18.75	39
(20)	information collection and processing	11,073	27.61	23.17	29.41	12.50	--
(21)	emotional management	11,020	27.48	26.26	25.81	34.38	80
(22)	time management	17,840	44.48	40.21	43.76	37.50	30
Q33 Status of Self-Evaluation							
(1)	considering transferring to other school	40,105	2.14	2.00	1.81	2.12	65
(2)	considering changing major	40,105	1.95	1.88	1.77	1.66	12
(3)	considering taking the entrance exam again	40,105	1.54	1.56	1.40	1.41	19
(4)	considering dropping out of school	40,105	1.58	1.65	1.48	1.53	38
(5)	clearly understand the purpose of getting into college	40,105	3.50	3.52	3.56	3.94	96
(6)	positive results can be expected during school time	40,105	3.45	3.46	3.52	4.03	99
(7)	learn things happily	40,105	3.42	3.48	3.38	3.75	98
(8)	clearly understand learning goal	40,105	3.46	3.49	3.48	3.97	98
Q34 Recognition of Overall Situation							
(1)	I am willing to recommend others to study at my department/institute.	40,105	3.35	3.41	3.34	3.53	75
(2)	I am willing to recommend others to study at my school.	40,105	3.33	3.41	3.48	3.62	83
(3)	As a whole, I think the climate for learning in my institution is good.	40,105	3.39	3.46	3.54	4.16	99
(4)	As a whole, I am satisfied with my school.	40,105	3.48	3.53	3.60	4.03	99

II. Basic Information

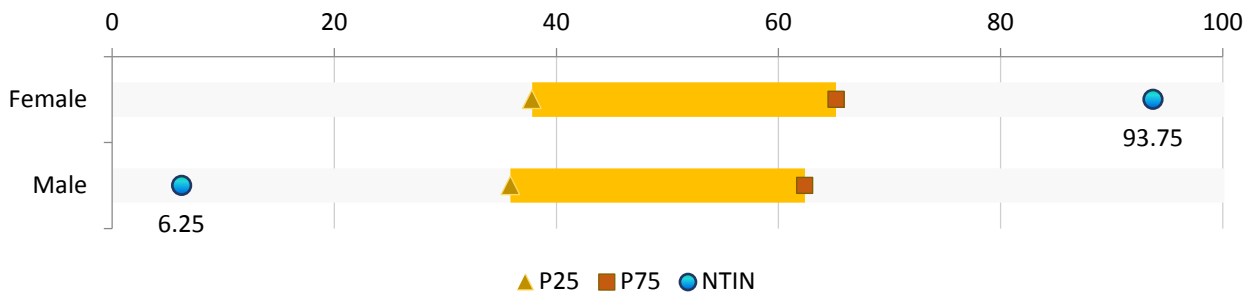
1. 【Q1】 Gender

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Female	93.75	99	37.81	65.19	55.94 **	28.56 *
Male	6.25	--	35.86	62.37	-29.61 **	-56.12 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-1】 Students' Gender in comparison with P25 & P75(%)

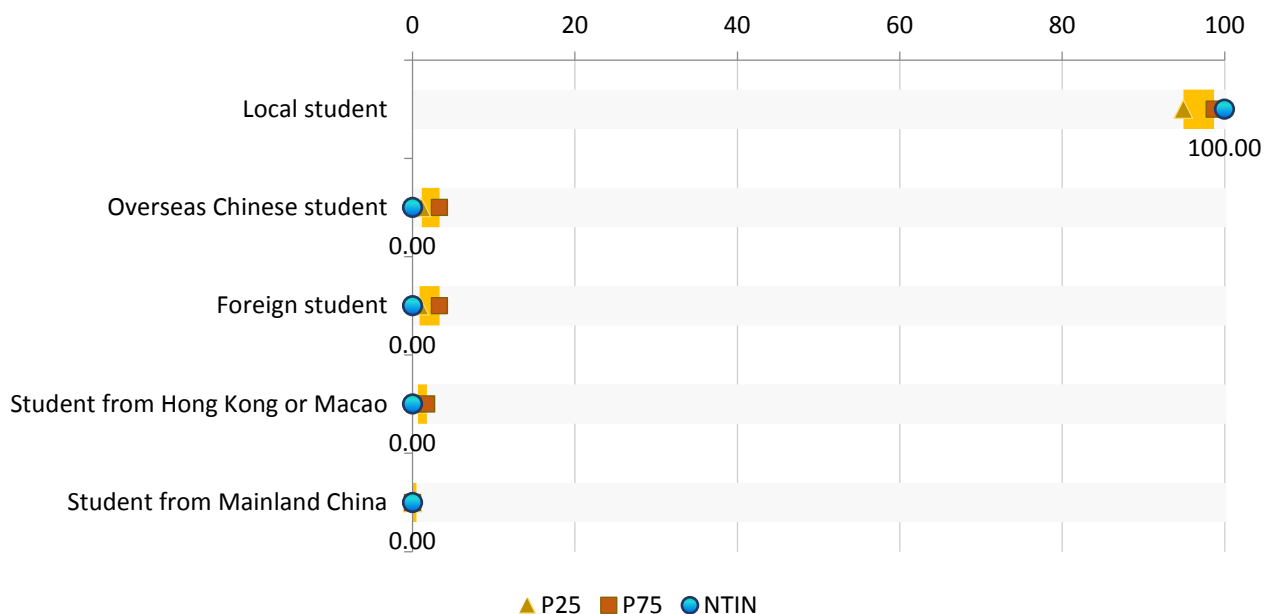
2. 【Q2】 Status

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Local student	100.00	99	94.94	98.72	5.06	1.28
Overseas Chinese student	0.00	--	1.14	3.35	-1.14	-3.35
Foreign student	0.00	--	0.88	3.35	-0.88	-3.35
Student from Hong Kong or Macao	0.00	--	0.65	1.76	-0.65	-1.76
Student from Mainland China	0.00	--	--	--	--	--

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-2】 Students' Status in comparison with P25 & P75(%)

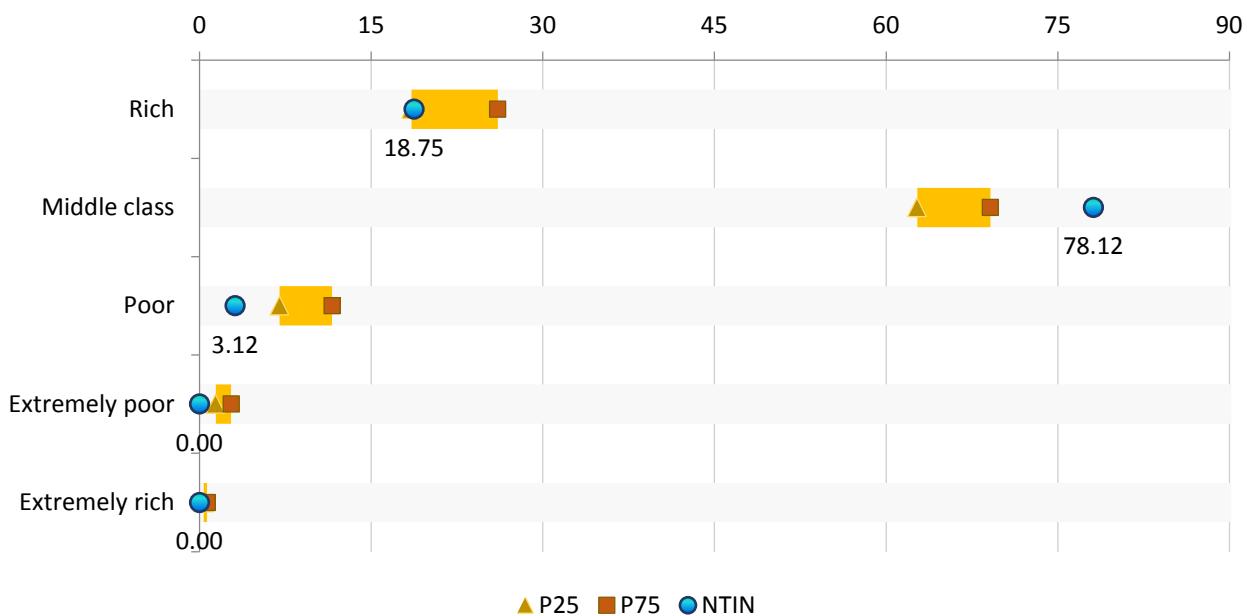
3. 【Q3】 Family Financial Situation

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Rich	18.75	27	18.51	26.07	0.24	-7.32
Middle class	78.12	99	62.72	69.13	15.40	8.99
Poor	3.12	--	7.00	11.59	-3.88	-8.47 *
Extremely poor	0.00	--	1.41	2.78	-1.41	-2.78
Extremely rich	0.00	--	0.36	0.67	-0.36	-0.67

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-3】 Students' Family Financial Situation in comparison with P25 & P75(%)

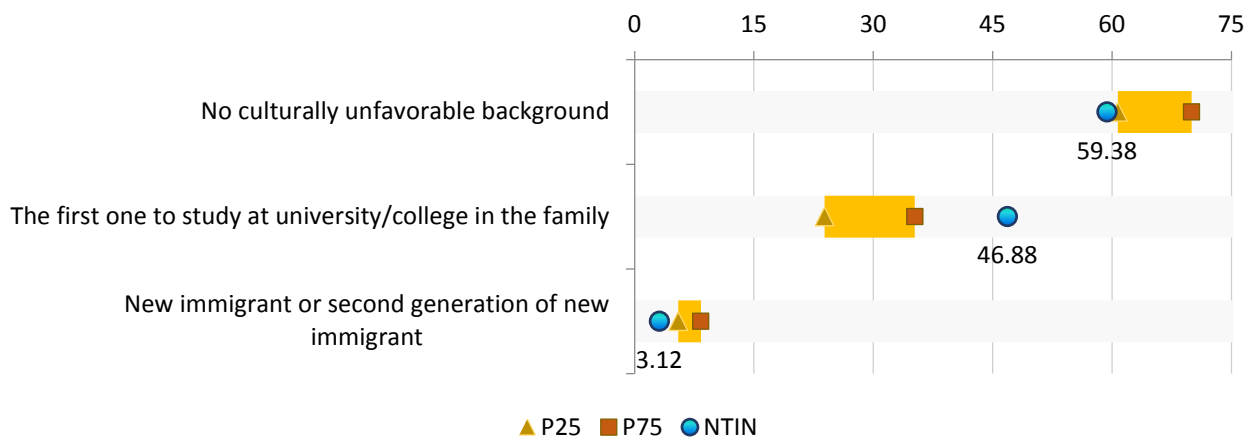
4. 【Q4】 Culturally Unfavorable Background

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
No culturally unfavorable background	59.38	15	60.73	70.00	-1.35	-10.62
The first one to study at university/college in the family	46.88	99	23.89	35.23	22.99 **	11.65
New immigrant or second generation of new immigrant	3.12	--	5.51	8.34	-2.39	-5.22

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "**" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 2-4 】 Students' Culturally Unfavorable Background in comparison with P25 & P75(%)

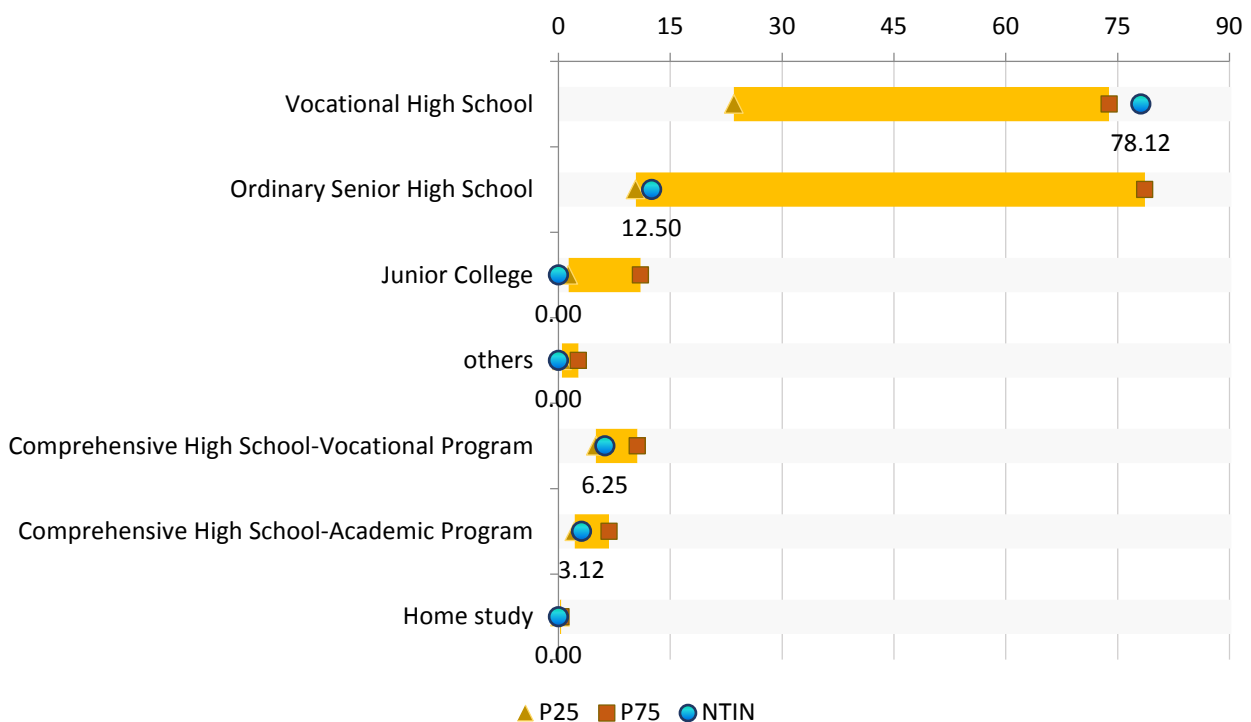
5. 【Q5】Types of High School from Which Students Graduated

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Vocational High School	78.12	91	23.55	73.88	54.57 **	4.24
Ordinary Senior High School	12.50	--	10.39	78.65	2.11	-66.15 **
Junior College	0.00	--	1.37	11.03	-1.37	-11.03 **
others	0.00	--	0.48	2.69	-0.48	-2.69
Comprehensive High School-Vocational Program	6.25	--	5.03	10.59	1.22	-4.34
Comprehensive High School-Academic Program	3.12	--	2.17	6.79	0.95	-3.67
Home study	0.00	--	0.22	0.38	-0.22	-0.38

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-5】Types of High School from Which Students Graduated in comparison with P25 & P75(%)

6. 【Q6】Locations of High School from Which Students Graduated

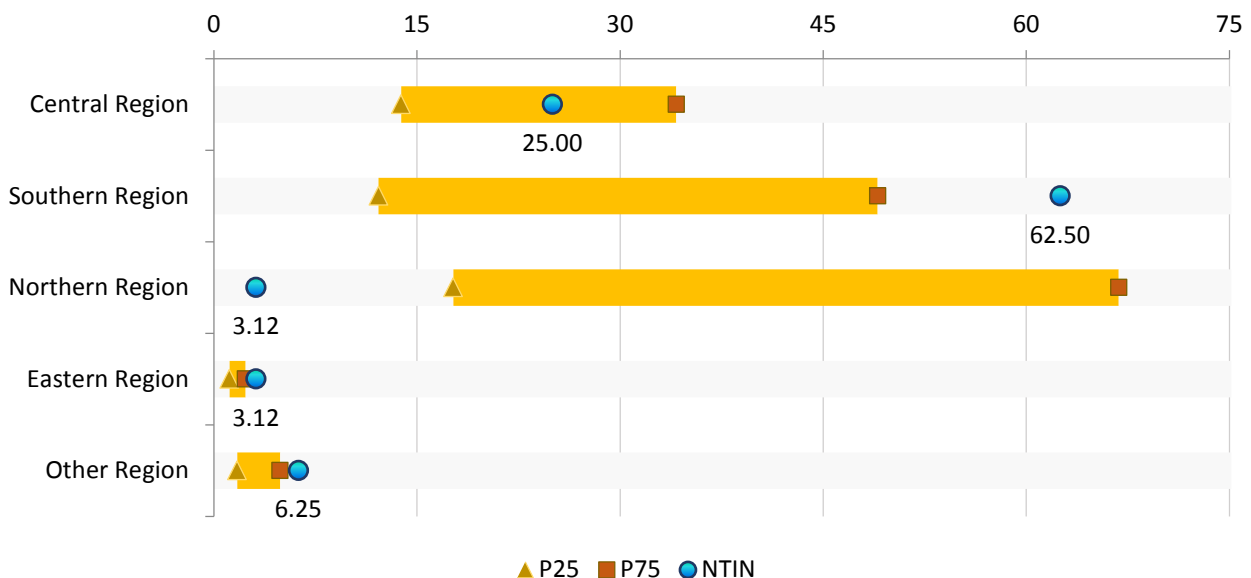
Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Central Region	25.00	61	13.83	34.15	11.17	-9.15
Southern Region	62.50	80	12.16	49.02	50.34 **	13.48
Northern Region	3.12	--	17.68	66.83	-14.56 **	-63.71 **
Eastern Region	3.12	--	1.16	2.34	1.96	0.78
Other Region	6.25	--	1.72	4.89	4.53	1.36

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.

Note 4: 【Northern Region】 Keelung City, Taipei City, New Taipei City, Taoyuan City, Hsinchu City, Hsinchu County, Yilan County
 【Central Region】 Miaoli County, Taichung City, Changhua County, Nantou County, Yunlin County
 【Southern Region】 Chiayi City, Chiayi County, Tainan City, Kaohsiung City, Pingtung County, Penghu County
 【Eastern Region】 Hualien County, Taitung County
 【Other Region】 Kinmen County, Lienchiang County, Foreign Countries



【Figure 2-6】Locations of High School from Which Students Graduated in comparison with P25 & P75(%)

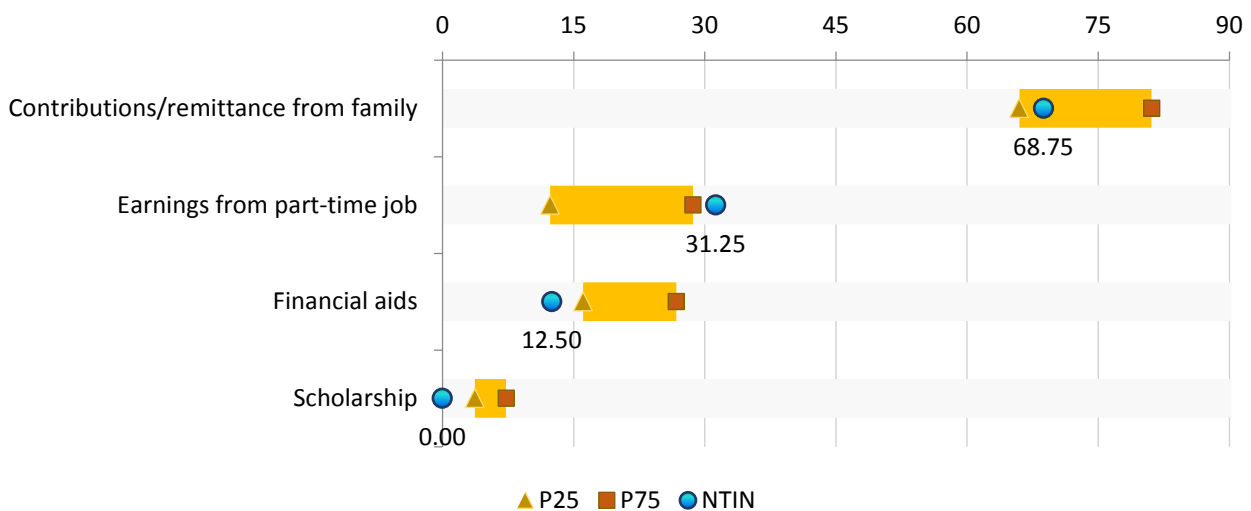
7. 【Q7】 Major Source of Tuition Fees

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Contributions/remittance from family	68.75	31	65.97	81.12	2.78	-12.37
Earnings from part-time job	31.25	78	12.32	28.67	18.93 **	2.58
Financial aids	12.50	--	16.09	26.77	-3.59	-14.27 *
Scholarship	0.00	--	3.72	7.31	-3.72	-7.31 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-7】 Students' Major Source of Tuition Fees in comparison with P25 & P75(%)

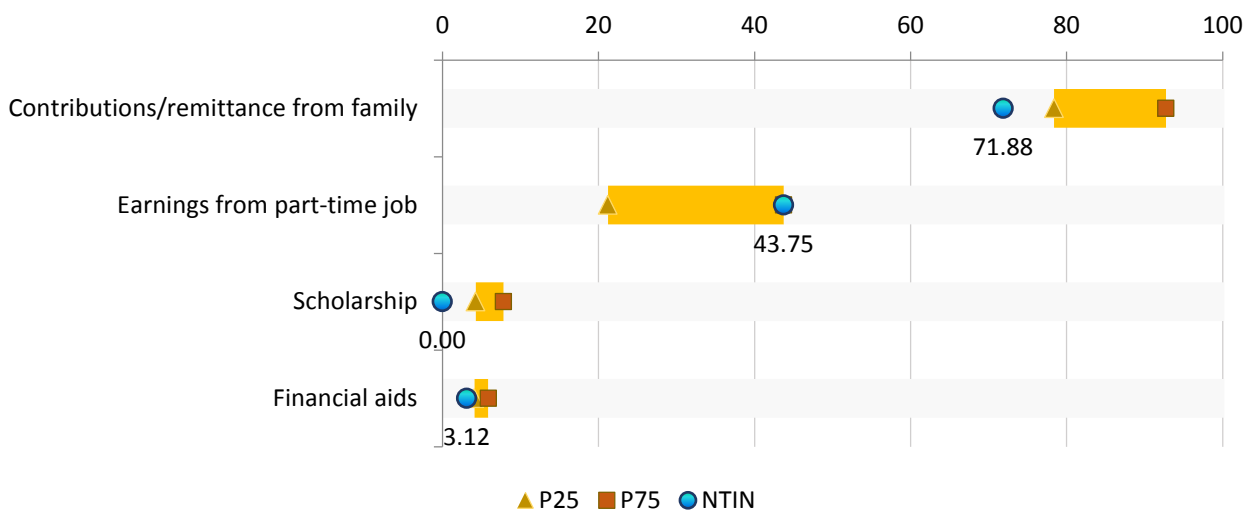
8. 【Q8】 Major Source of Educational and Living Expenses

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Contributions/remittance from family	71.88	17	78.40	92.73	-6.52	-20.85
Earnings from part-time job	43.75	75	21.21	43.75	22.54 **	--
Scholarship	0.00	--	4.26	7.83	-4.26 *	-7.83 **
Financial aids	3.12	--	4.10	5.89	-0.98	-2.77

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 2-8】 Students' Major Source of Educational and Living Expenses in comparison with P25 & P75(%)



III. Admission Consideration

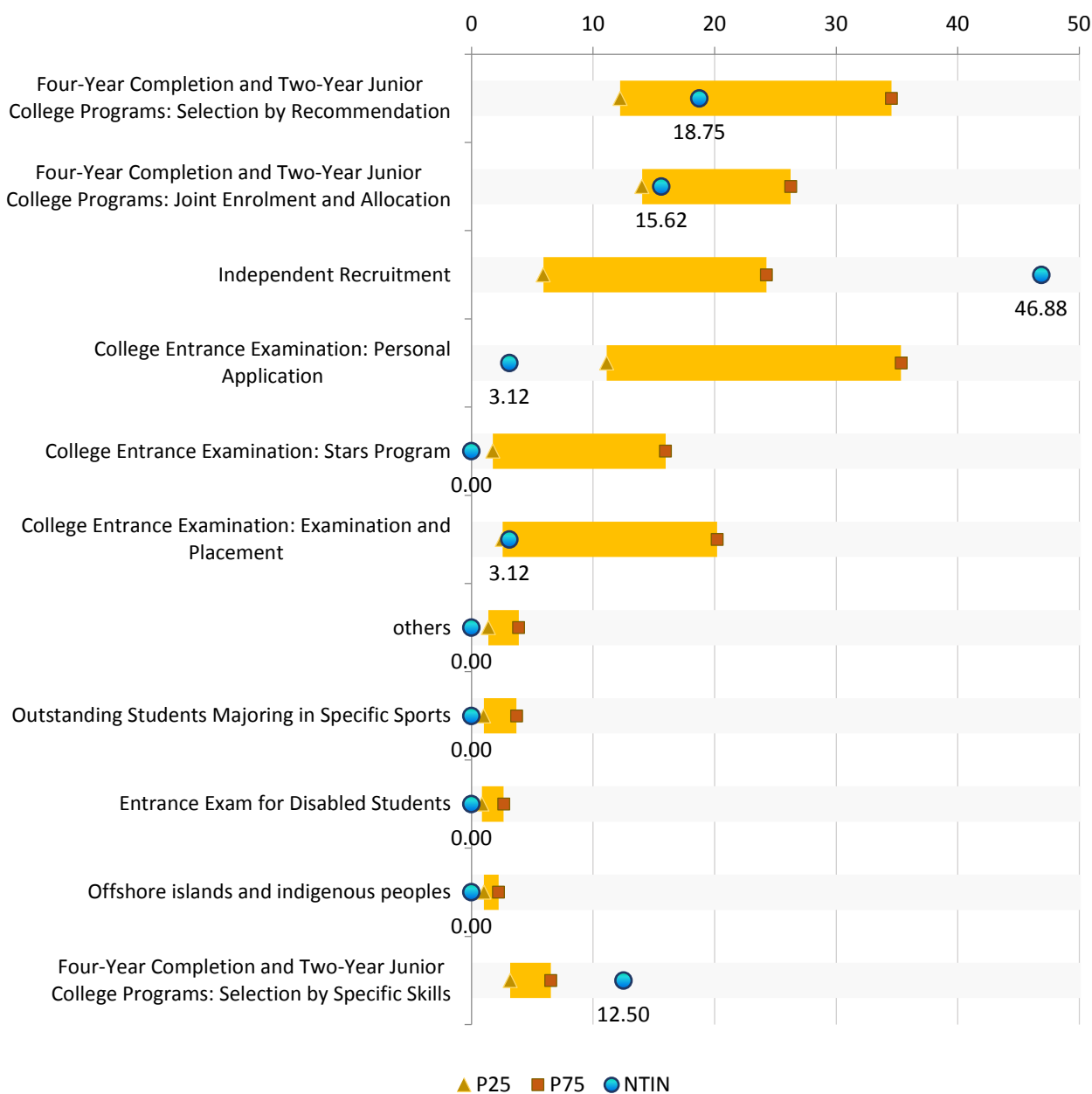
1. 【Q9】 Ways of Gaining Admission to the School

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Four-Year Completion and Two-Year Junior College Programs: Selection by Recommendation	18.75	32	12.23	34.56	6.52	-15.81 *
Four-Year Completion and Two-Year Junior College Programs: Joint Enrolment and Allocation	15.62	37	14.03	26.26	1.59	-10.64
Independent Recruitment	46.88	93	5.91	24.27	40.97 **	22.61 **
College Entrance Examination: Personal Application	3.12	--	11.12	35.36	-8.00 *	-32.24 **
College Entrance Examination: Stars Program	0.00	--	1.76	15.97	-1.76	-15.97 **
College Entrance Examination: Examination and Placement	3.12	--	2.55	20.21	0.57	-17.09 **
others	0.00	--	1.39	3.88	-1.39	-3.88 *
Outstanding Students Majoring in Specific Sports	0.00	--	1.01	3.71	-1.01	-3.71
Entrance Exam for Disabled Students	0.00	--	0.86	2.65	-0.86	-2.65
Offshore islands and indigenous peoples	0.00	--	1.02	2.23	-1.02	-2.23
Four-Year Completion and Two-Year Junior College Programs: Selection by Specific Skills	12.50	--	3.18	6.53	9.32 *	5.97

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 3-1 】 Students' Ways of Gaining Admission to the School in comparison with P25 & P75(%)



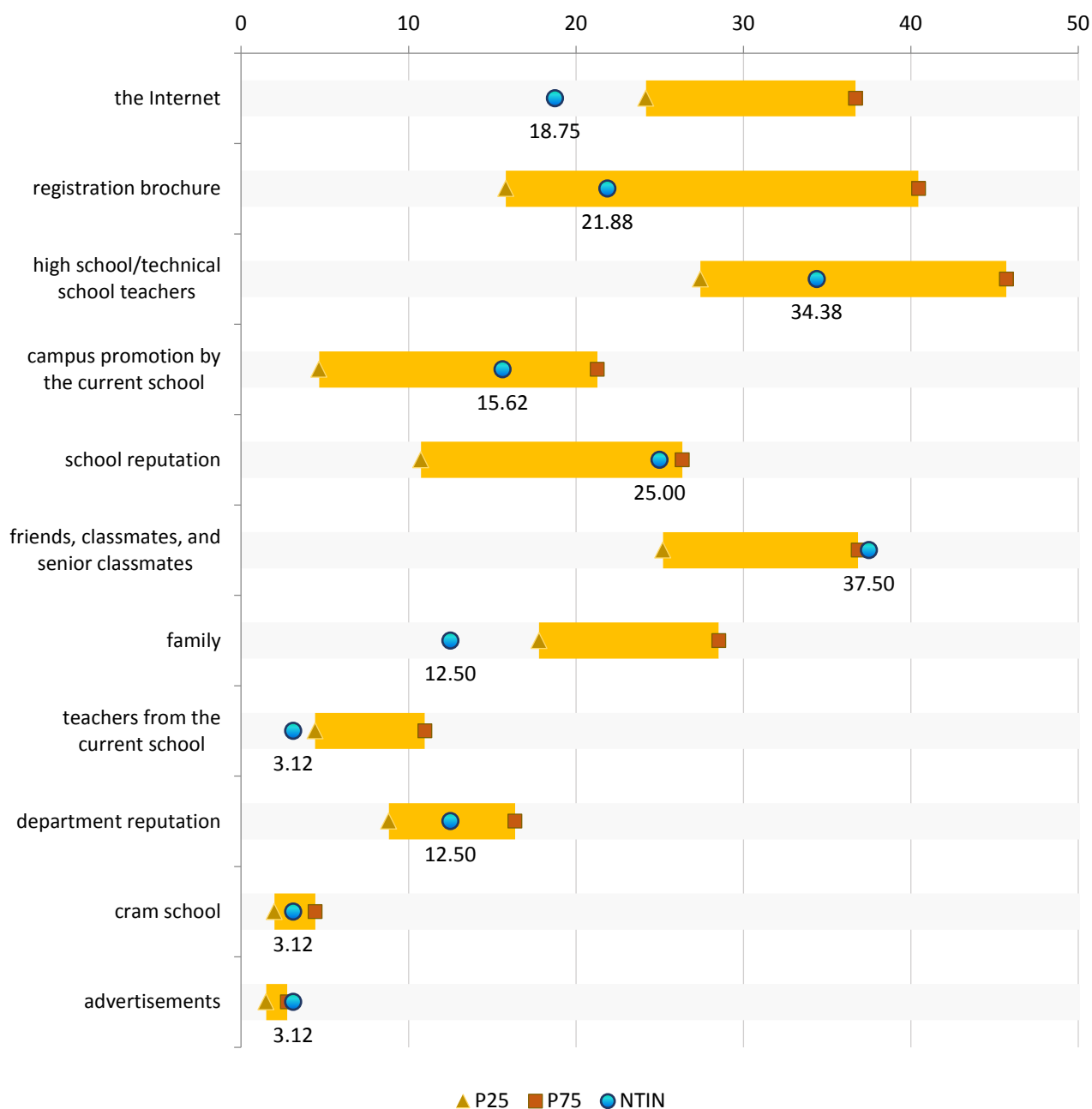
2. 【Q10】 Ways of Obtaining Information on the School

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
the Internet	18.75	1	24.18	36.70	-5.43	-17.95 *
registration brochure	21.88	45	15.81	40.46	6.07	-18.58 *
high school/technical school teachers	34.38	46	27.43	45.71	6.95	-11.33
campus promotion by the current school	15.62	55	4.66	21.28	10.96 *	-5.66
school reputation	25.00	72	10.74	26.36	14.26 *	-1.36
friends, classmates, and senior classmates	37.50	76	25.20	36.86	12.30	0.64
family	12.50	--	17.80	28.53	-5.30	-16.03 *
teachers from the current school	3.12	--	4.42	10.98	-1.30	-7.86 *
department reputation	12.50	--	8.82	16.36	3.68	-3.86
cram school	3.12	--	1.99	4.43	1.13	-1.31
advertisements	3.12	--	1.50	2.77	1.62	0.35

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 3-2】 Students' Ways of Obtaining Information on the School in comparison with P25 & P75(%)

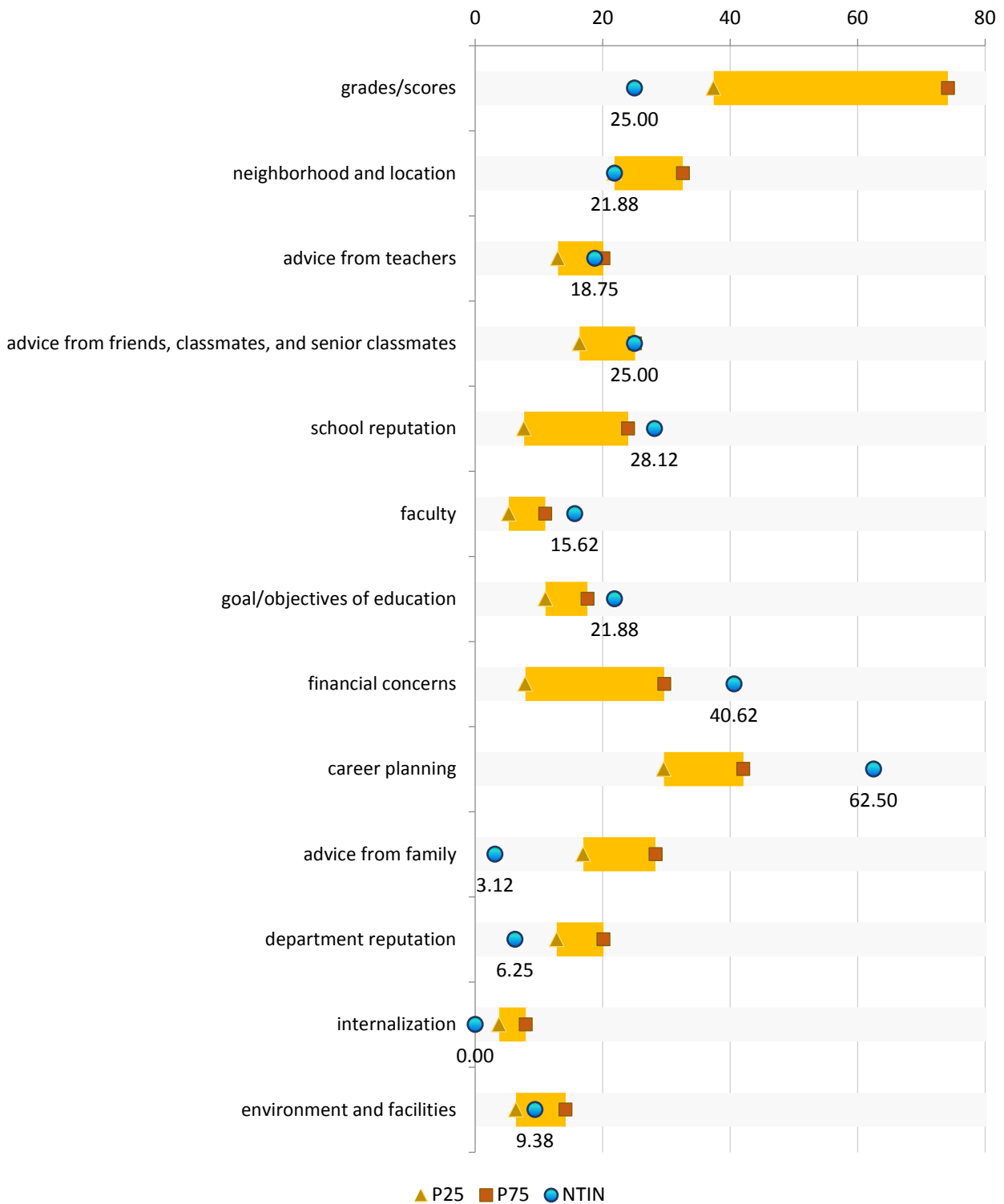
3. 【Q11】 Main Reasons for Choosing the School

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
grades/scores	25.00	9	37.41	74.18	-12.41	-49.18 **
neighborhood and location	21.88	25	21.84	32.59	0.04	-10.71
advice from teachers	18.75	72	12.98	20.11	5.77	-1.36
advice from friends, classmates, and senior classmates	25.00	73	16.37	25.10	8.63	-0.10
school reputation	28.12	80	7.66	24.01	20.46 **	4.11
faculty	15.62	91	5.27	11.00	10.35 *	4.62
goal/objectives of education	21.88	92	11.02	17.63	10.86	4.25
financial concerns	40.62	94	7.86	29.65	32.76 **	10.97
career planning	62.50	98	29.59	42.08	32.91 **	20.42 *
advice from family	3.12	--	16.95	28.30	-13.83 **	-25.18 **
department reputation	6.25	--	12.79	20.13	-6.54	-13.88 **
internalization	0.00	--	3.75	7.94	-3.75	-7.94 **
environment and facilities	9.38	--	6.40	14.18	2.98	-4.80

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 3-3】 Students' Main Reasons for Choosing the School in comparison with P25 & P75(%)

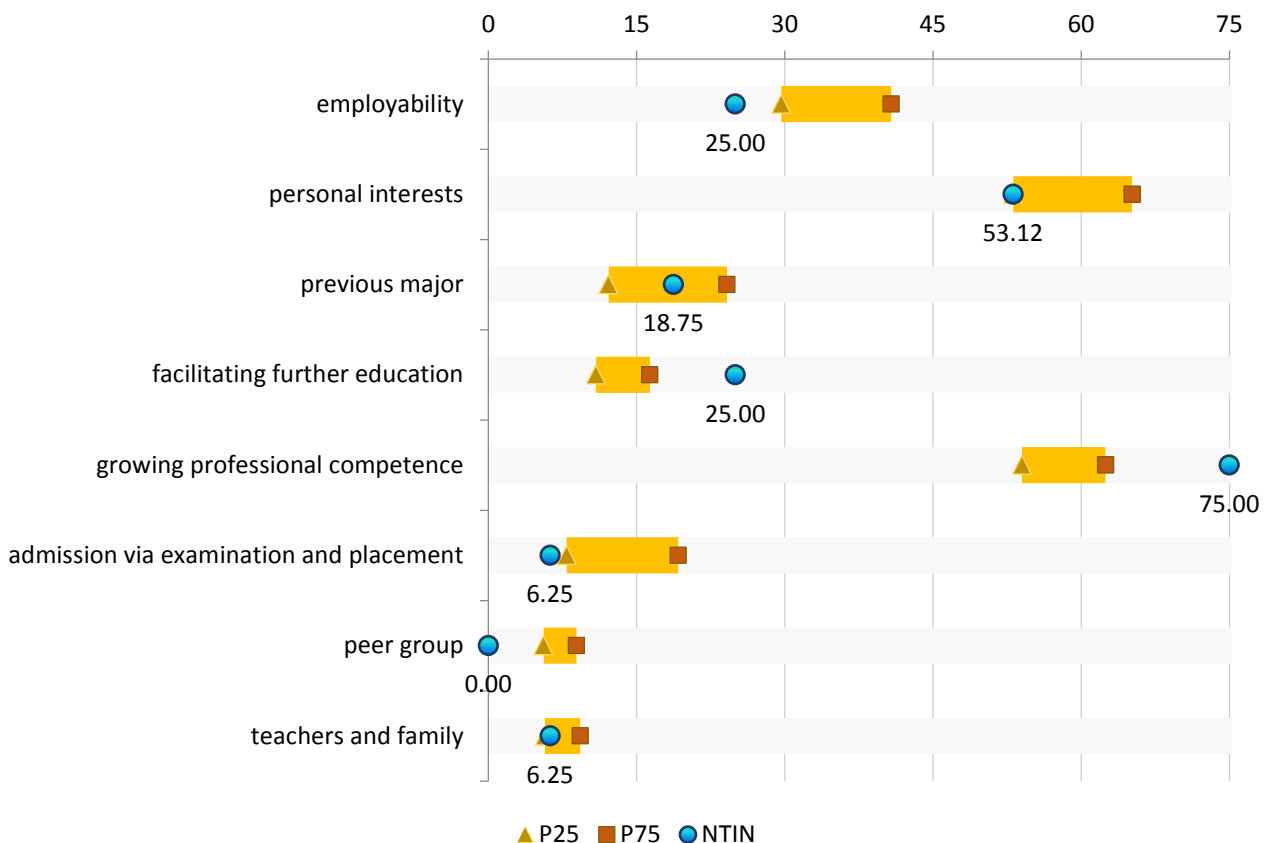
4. 【Q12】 Considerations for Choosing the Major

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
employability	25.00	7	29.65	40.77	-4.65	-15.77
personal interests	53.12	25	53.12	65.16	--	-12.04
previous major	18.75	56	12.17	24.15	6.58	-5.40
facilitating further education	25.00	96	10.89	16.34	14.11 *	8.66
growing professional competence	75.00	99	54.01	62.47	20.99	12.53
admission via examination and placement	6.25	--	7.93	19.23	-1.68	-12.98 *
peer group	0.00	--	5.59	8.92	-5.59 *	-8.92 **
teachers and family	6.25	--	5.73	9.31	0.52	-3.06

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 3-4 】 Students' Considerations for Choosing the Major in comparison with P25 & P75(%)

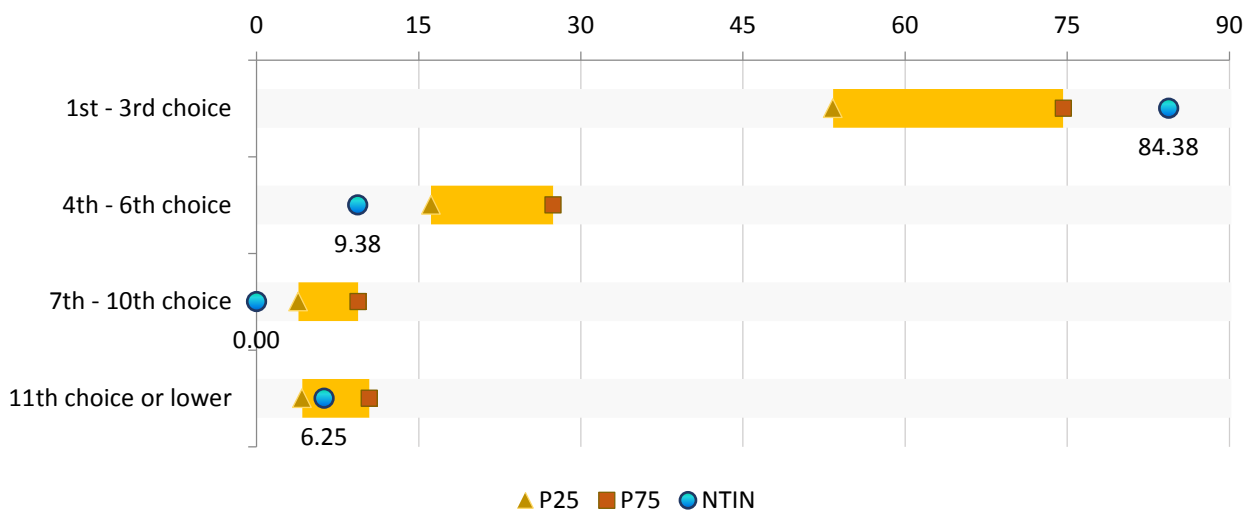
5. 【Q13】 Choice Priority to the School

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
1st - 3rd choice	84.38	96	53.33	74.64	31.05 **	9.74
4th - 6th choice	9.38	--	16.15	27.45	-6.77	-18.07 **
7th - 10th choice	0.00	--	3.87	9.40	-3.87 *	-9.40 **
11th choice or lower	6.25	--	4.23	10.45	2.02	-4.20

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 3-5 】 Students' Choice Priority to the School in comparison with P25 & P75(%)

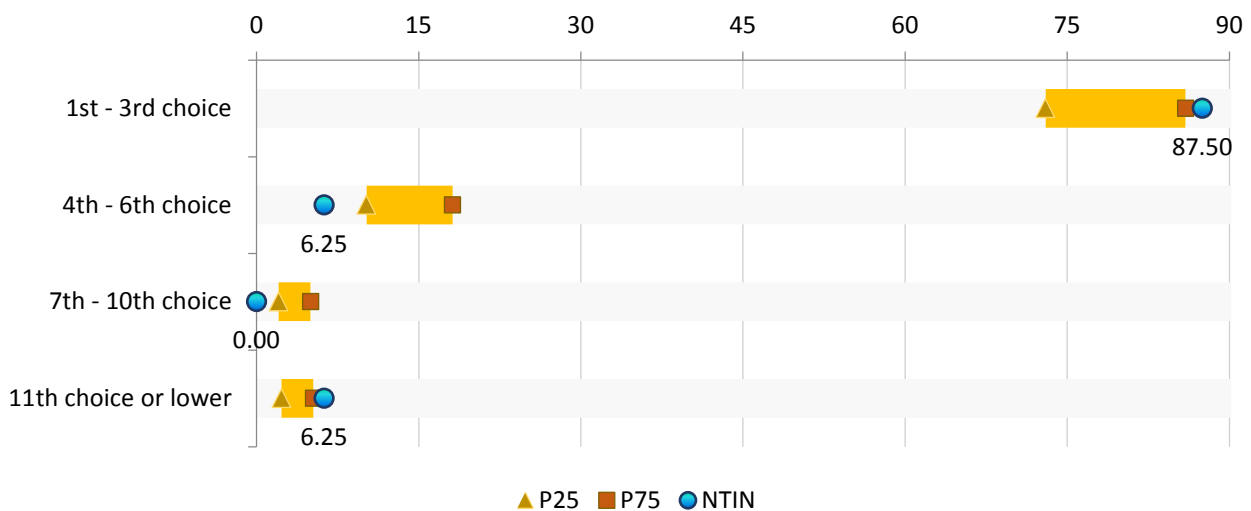
6. 【Q14】 Choice Priority to the Department/Institute

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
1st - 3rd choice	87.50	86	73.00	85.96	14.50	1.54
4th - 6th choice	6.25	--	10.18	18.14	-3.93	-11.89 *
7th - 10th choice	0.00	--	2.04	5.01	-2.04	-5.01 *
11th choice or lower	6.25	--	2.31	5.28	3.94	0.97

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 3-6 】 Students' Choice Priority to the Department/Institute in comparison with P25 & P75(%)

IV. Major and Learning

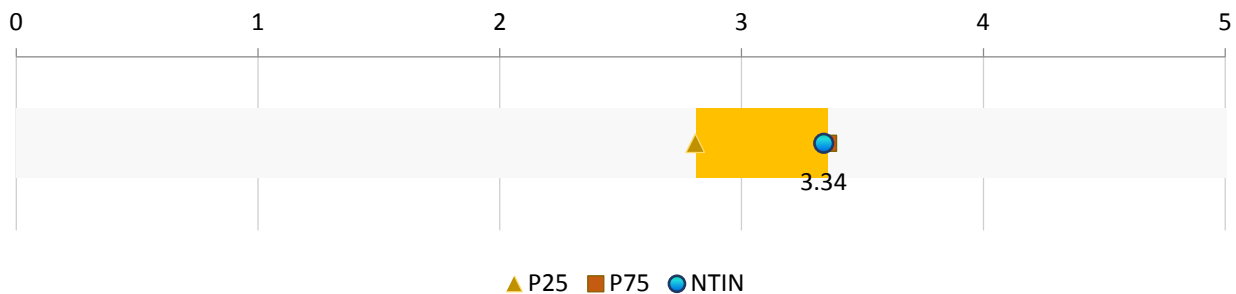
1. 【Q15】 Relevance between the Major and High School/Technical School Program

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
Relevance between the Major and High School/Technical School Program	3.34	73	2.81	3.36	0.53	-0.02

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 4-1】 Relevance between the Major and High School/Technical School Program in comparison with P25 & P75



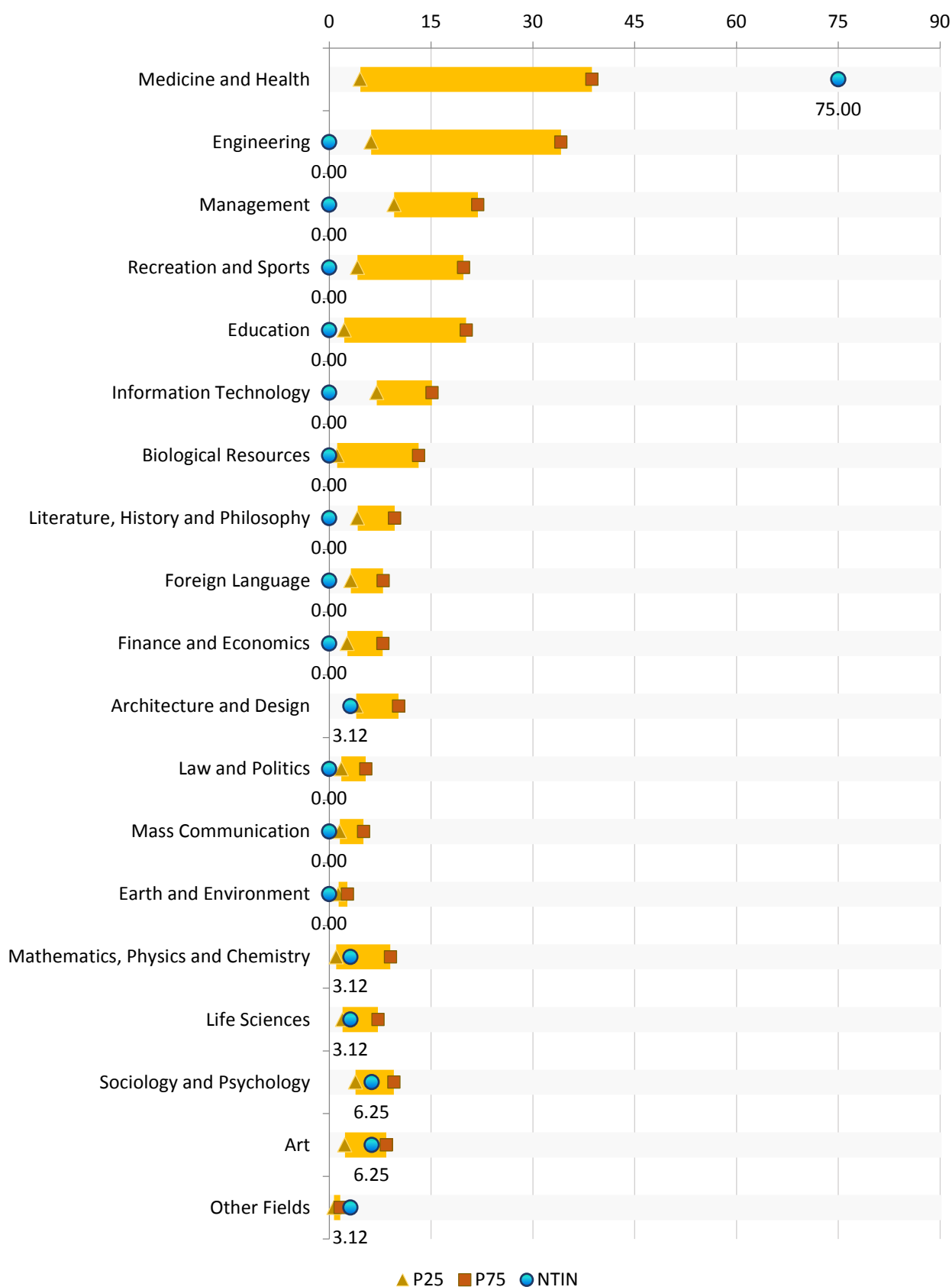
2. 【Q16】Major

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
Medicine and Health	75.00	94	4.57	38.72	70.43 **	36.28 **
Engineering	0.00	--	6.17	34.15	-6.17 *	-34.15 **
Management	0.00	--	9.56	21.90	-9.56 **	-21.90 **
Recreation and Sports	0.00	--	4.16	19.80	-4.16 *	-19.80 **
Education	0.00	--	2.21	20.18	-2.21	-20.18 **
Information Technology	0.00	--	7.01	15.14	-7.01 **	-15.14 **
Biological Resources	0.00	--	1.18	13.19	-1.18	-13.19 **
Literature, History and Philosophy	0.00	--	4.18	9.65	-4.18 *	-9.65 **
Foreign Language	0.00	--	3.19	7.94	-3.19	-7.94 **
Finance and Economics	0.00	--	2.66	7.90	-2.66	-7.90 **
Architecture and Design	3.12	--	3.98	10.21	-0.86	-7.09
Law and Politics	0.00	--	1.78	5.39	-1.78	-5.39 *
Mass Communication	0.00	--	1.56	5.07	-1.56	-5.07 *
Earth and Environment	0.00	--	1.38	2.69	-1.38	-2.69
Mathematics, Physics and Chemistry	3.12	--	1.02	9.02	2.10	-5.90
Life Sciences	3.12	--	1.96	7.18	1.16	-4.06
Sociology and Psychology	6.25	--	3.87	9.52	2.38	-3.27
Art	6.25	--	2.31	8.42	3.94	-2.17
Other Fields	3.12	--	0.70	1.63	2.42	1.49

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 4-2 】 Students' Major in comparison with P25 & P75(%)

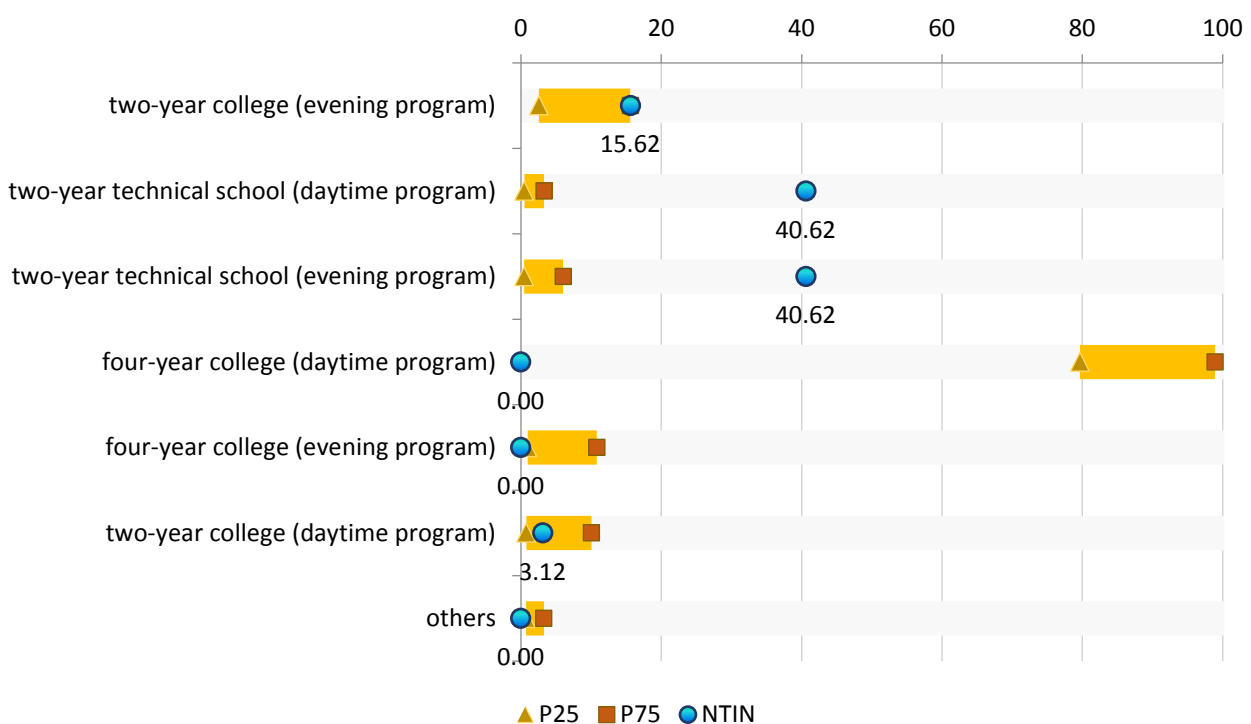
3. 【Q17】 Education Level

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
two-year college (evening program)	15.62	75	2.58	15.62	13.04 **	--
two-year technical school (daytime program)	40.62	90	0.50	3.30	40.12 **	37.32 **
two-year technical school (evening program)	40.62	99	0.49	6.04	40.13 **	34.58 **
four-year college (daytime program)	0.00	--	79.68	98.94	-79.68 **	-98.94 **
four-year college (evening program)	0.00	--	0.95	10.84	-0.95	-10.84 **
two-year college (daytime program)	3.12	--	0.77	10.09	2.35	-6.97
others	0.00	--	0.74	3.29	-0.74	-3.29

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "**" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 4-3】 Students' Education Level in comparison with P25 & P75(%)

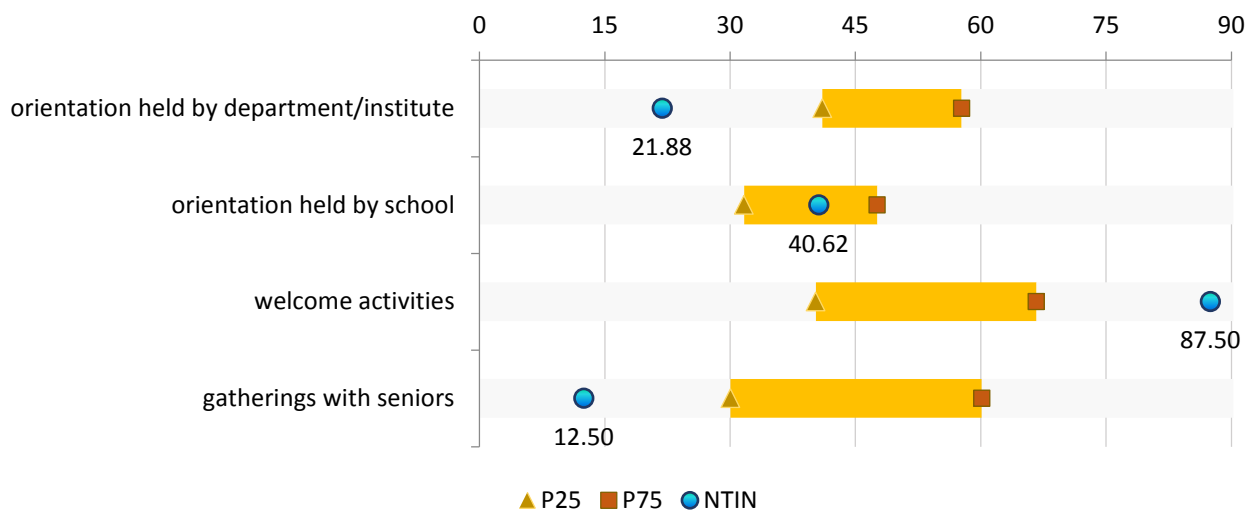
4. 【Q18】Activities Held for Freshmen

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
orientation held by department/institute	21.88	1	41.05	57.72	-19.17 *	-35.84 **
orientation held by school	40.62	55	31.67	47.62	8.95	-7.00
welcome activities	87.50	99	40.26	66.67	47.24 **	20.83
gatherings with seniors	12.50	--	30.04	60.12	-17.54 **	-47.62 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 4-4】Activities Held for Freshmen in comparison with P25 & P75(%)

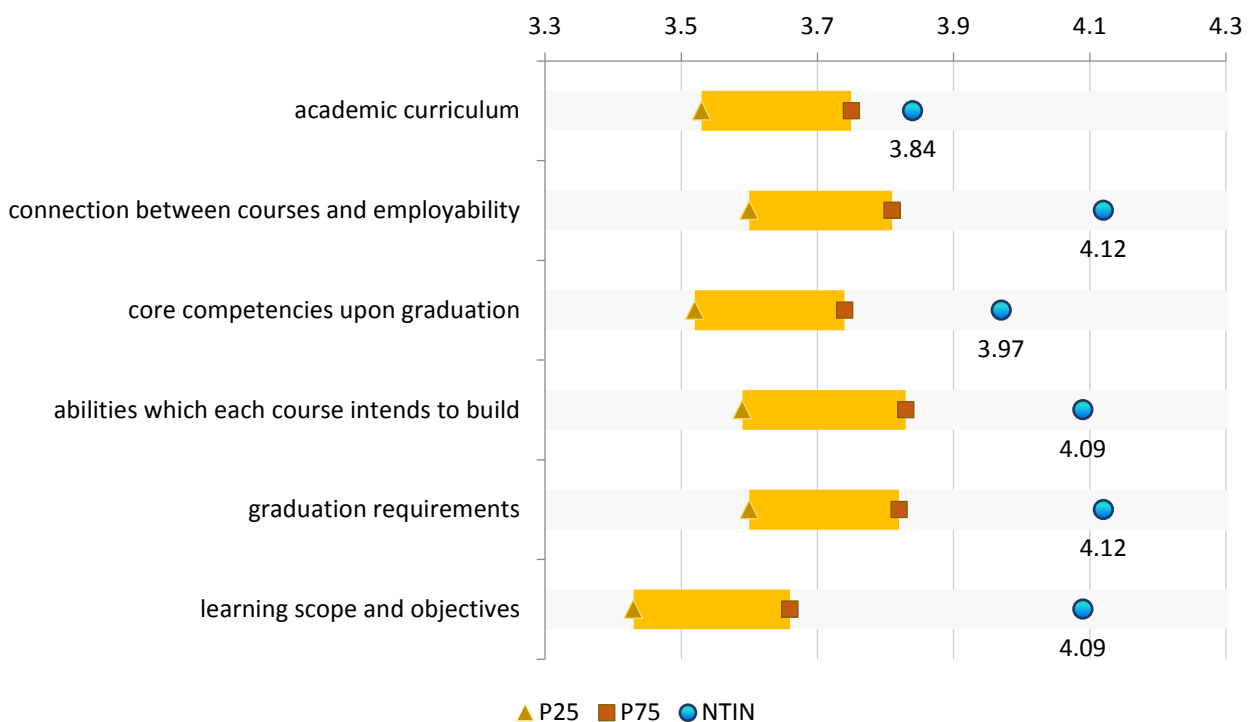
5. 【Q19】 Understanding towards the Department/Institute

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
academic curriculum	3.84	88	3.53	3.75	0.31	0.09
connection between courses and employability	4.12	94	3.60	3.81	0.52 **	0.31
core competencies upon graduation	3.97	98	3.52	3.74	0.45 *	0.23
abilities which each course intends to build	4.09	99	3.59	3.83	0.50 **	0.26
graduation requirements	4.12	99	3.60	3.82	0.52 **	0.30
learning scope and objectives	4.09	99	3.43	3.66	0.66 **	0.43 *

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 4-5】 Students' Understanding towards the Department/Institute in comparison with P25 & P75

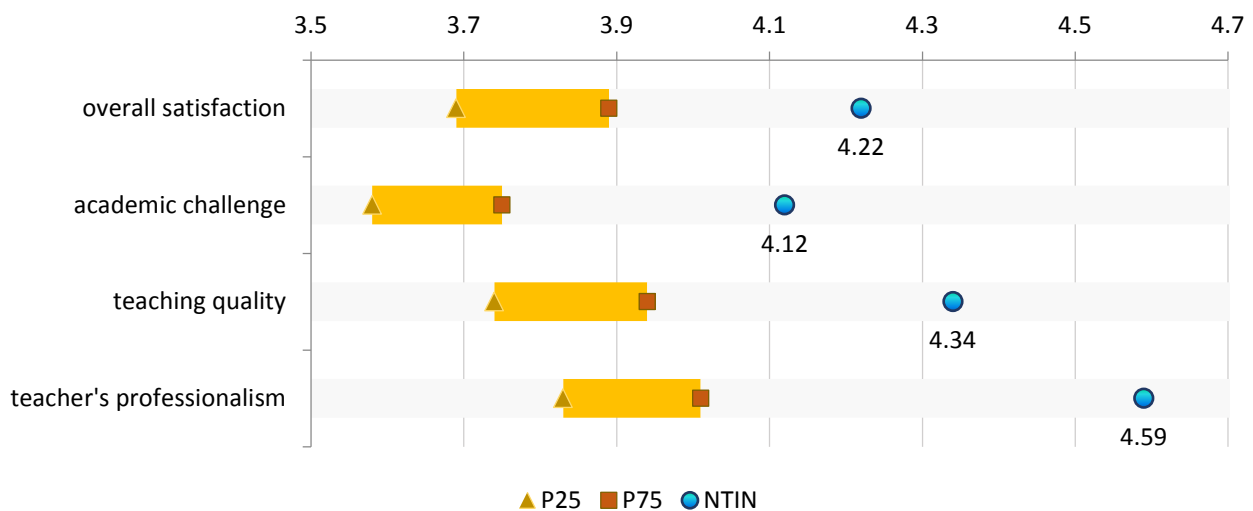
6. 【Q20】 Satisfaction with Overall Curriculum

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
overall satisfaction	4.22	98	3.69	3.89	0.53 **	0.33
academic challenge	4.12	99	3.58	3.75	0.54 **	0.37 *
teaching quality	4.34	99	3.74	3.94	0.60 **	0.40 *
teacher's professionalism	4.59	99	3.83	4.01	0.76 **	0.58 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 4-6】 Students' Satisfaction with Overall Curriculum in comparison with P25 & P75

V. School Resources

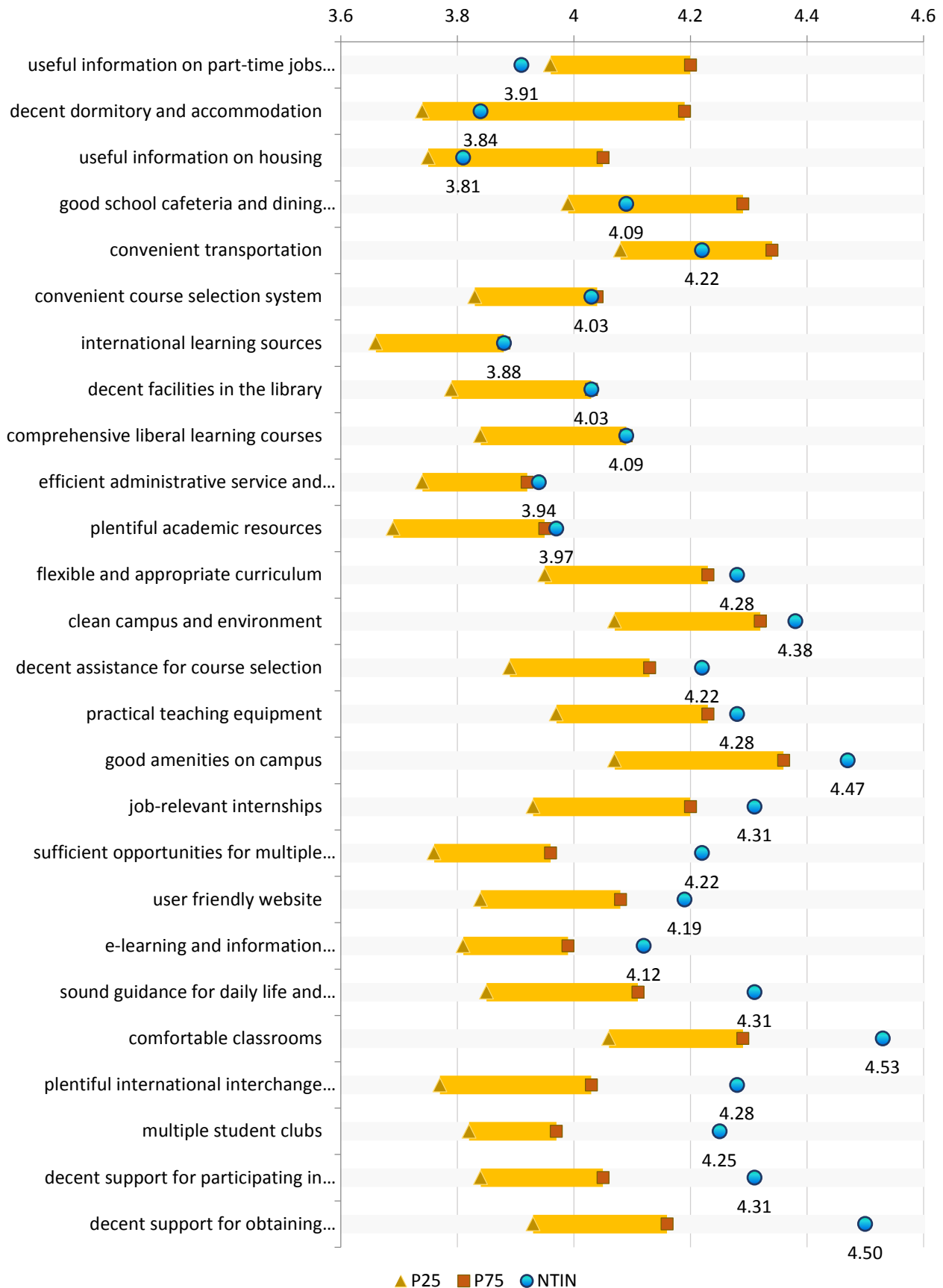
1. 【Q21】 Expectation for Resources and Services Provided by the School

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
useful information on part-time jobs or scholarship	3.91	17	3.96	4.20	-0.05	-0.29
decent dormitory and accommodation	3.84	35	3.74	4.19	0.10	-0.35
useful information on housing	3.81	38	3.75	4.05	0.06	-0.24
good school cafeteria and dining arrangements	4.09	42	3.99	4.29	0.10	-0.20
convenient transportation	4.22	54	4.08	4.34	0.14	-0.12
convenient course selection system	4.03	71	3.83	4.04	0.20	-0.01
international learning sources	3.88	75	3.66	3.88	0.22	--
decent facilities in the library	4.03	75	3.79	4.03	0.24	--
comprehensive liberal learning courses	4.09	75	3.84	4.09	0.25	--
efficient administrative service and flexible solutions	3.94	79	3.74	3.92	0.20	0.02
plentiful academic resources	3.97	79	3.69	3.95	0.28	0.02
flexible and appropriate curriculum	4.28	79	3.95	4.23	0.33	0.05
clean campus and environment	4.38	83	4.07	4.32	0.31	0.06
decent assistance for course selection	4.22	83	3.89	4.13	0.33	0.09
practical teaching equipment	4.28	85	3.97	4.23	0.31	0.05
good amenities on campus	4.47	88	4.07	4.36	0.40	0.11
job-relevant internships	4.31	90	3.93	4.20	0.38	0.11
sufficient opportunities for multiple learning	4.22	90	3.76	3.96	0.46	0.26
user friendly website	4.19	92	3.84	4.08	0.35	0.11
e-learning and information technology support	4.12	94	3.81	3.99	0.31	0.13
sound guidance for daily life and career counseling	4.31	94	3.85	4.11	0.46 *	0.20
comfortable classrooms	4.53	94	4.06	4.29	0.47 *	0.24
plentiful international interchange opportunities	4.28	94	3.77	4.03	0.51 **	0.25
multiple student clubs	4.25	98	3.82	3.97	0.43	0.28
decent support for participating in competitions and its financial aids	4.31	98	3.84	4.05	0.47 *	0.26
decent support for obtaining certificates and its financial aids	4.50	99	3.93	4.16	0.57 **	0.34

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 5-1】 Students' Expectation for Resources and Services Provided by the School in comparison with P25 & P75



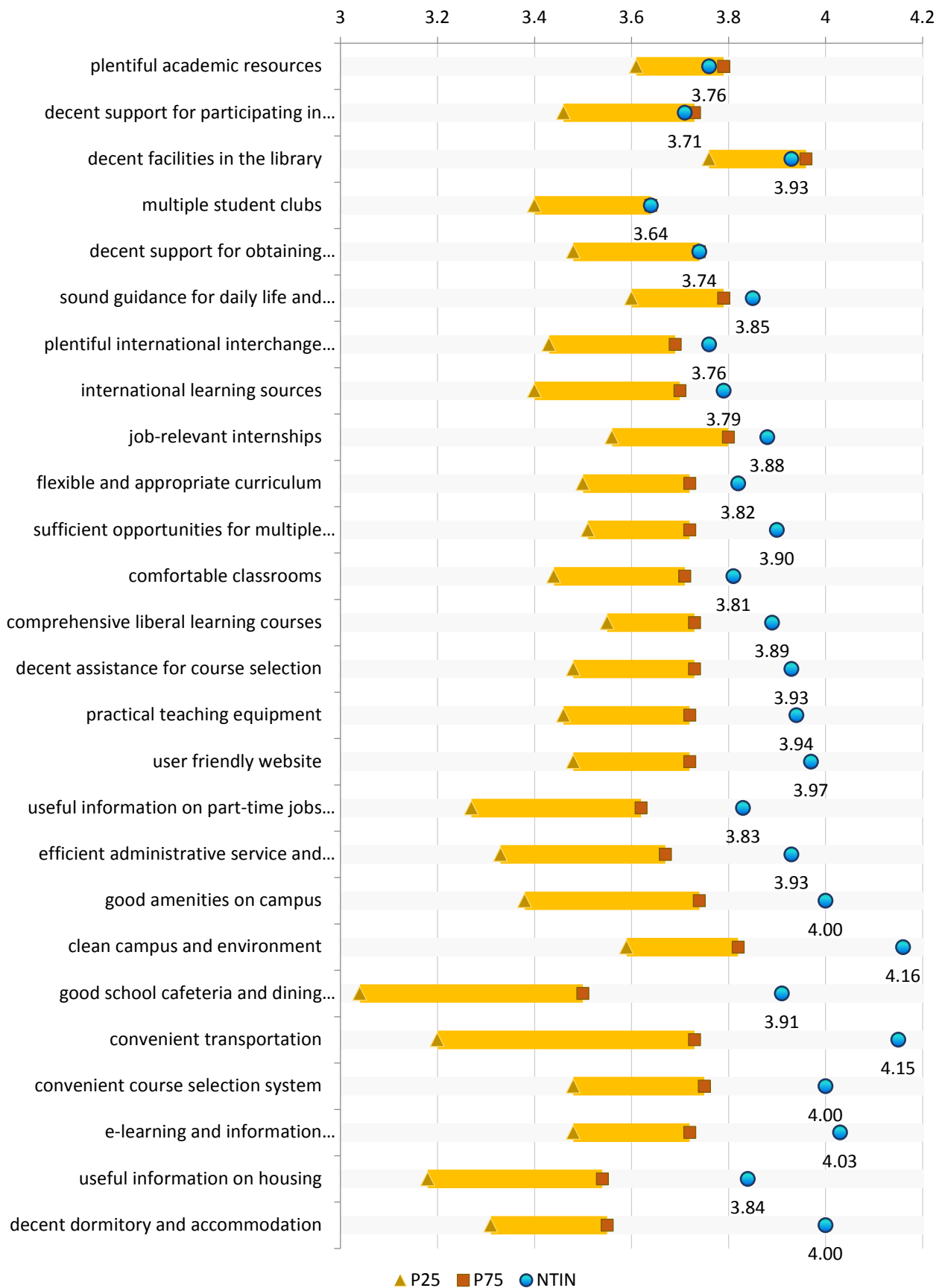
2. 【Q22】 Satisfaction with Resources and Services Provided by the School

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
plentiful academic resources	3.76	54	3.61	3.79	0.15	-0.03
decent support for participating in competitions and its financial aids	3.71	71	3.46	3.73	0.25	-0.02
decent facilities in the library	3.93	73	3.76	3.96	0.17	-0.03
multiple student clubs	3.64	75	3.40	3.64	0.24	--
decent support for obtaining certificates and its financial aids	3.74	75	3.48	3.74	0.26	--
sound guidance for daily life and career counseling	3.85	83	3.60	3.79	0.25	0.06
plentiful international interchange opportunities	3.76	85	3.43	3.69	0.33	0.07
international learning sources	3.79	85	3.40	3.70	0.39	0.09
job-relevant internships	3.88	90	3.56	3.80	0.32	0.08
flexible and appropriate curriculum	3.82	92	3.50	3.72	0.32	0.10
sufficient opportunities for multiple learning	3.90	94	3.51	3.72	0.39	0.18
comfortable classrooms	3.81	96	3.44	3.71	0.37	0.10
comprehensive liberal learning courses	3.89	98	3.55	3.73	0.34	0.16
decent assistance for course selection	3.93	98	3.48	3.73	0.45 *	0.20
practical teaching equipment	3.94	98	3.46	3.72	0.48 *	0.22
user friendly website	3.97	98	3.48	3.72	0.49 *	0.25
useful information on part-time jobs or scholarship	3.83	98	3.27	3.62	0.56	0.21
efficient administrative service and flexible solutions	3.93	98	3.33	3.67	0.60 **	0.26
good amenities on campus	4.00	98	3.38	3.74	0.62 **	0.26
clean campus and environment	4.16	98	3.59	3.82	0.57 *	0.34
good school cafeteria and dining arrangements	3.91	98	3.04	3.50	0.87 **	0.41
convenient transportation	4.15	98	3.20	3.73	0.95 **	0.42
convenient course selection system	4.00	99	3.48	3.75	0.52 *	0.25
e-learning and information technology support	4.03	99	3.48	3.72	0.55 **	0.31
useful information on housing	3.84	99	3.18	3.54	0.66 **	0.30
decent dormitory and accommodation	4.00	99	3.31	3.55	0.69 *	0.45

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 5-2】 Students' Satisfaction with Resources and Services Provided by the School in comparison with P25 & P75

VI. Learning Experience

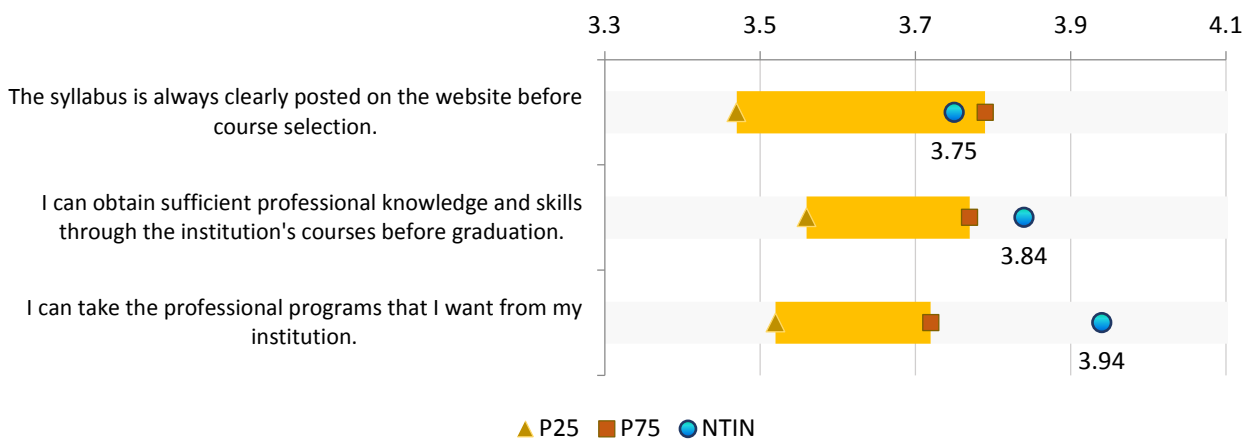
1. 【Q23】 Recognition of Curriculum Arrangement

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
The syllabus is always clearly posted on the website before course selection.	3.75	71	3.47	3.79	0.28	-0.04
I can obtain sufficient professional knowledge and skills through the institution's courses before graduation.	3.84	87	3.56	3.77	0.28	0.07
I can take the professional programs that I want from my institution.	3.94	98	3.52	3.72	0.42 *	0.22

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-1】 Students' Recognition of Curriculum Arrangement in comparison with P25 & P75

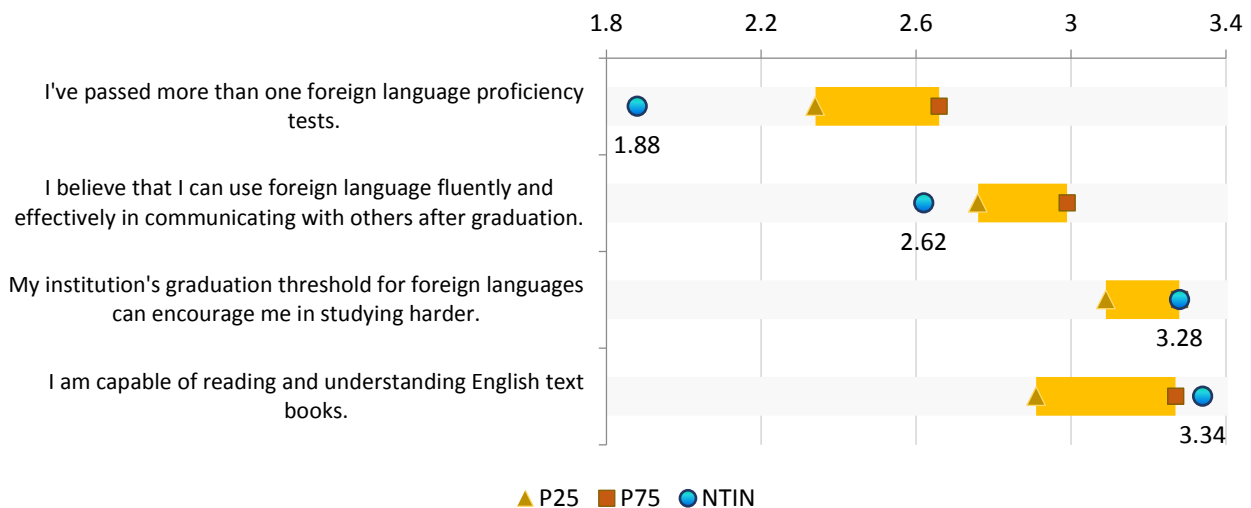
2. 【Q24】 Recognition of Foreign Language Competency

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
I've passed more than one foreign language proficiency tests.	1.88	1	2.34	2.66	-0.46	-0.78 *
I believe that I can use foreign language fluently and effectively in communicating with others after graduation.	2.62	4	2.76	2.99	-0.14	-0.37
My institution's graduation threshold for foreign languages can encourage me in studying harder.	3.28	75	3.09	3.28	0.19	--
I am capable of reading and understanding English text books.	3.34	83	2.91	3.27	0.43	0.07

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-2】 Students' Recognition of Foreign Language Competency in comparison with P25 & P75

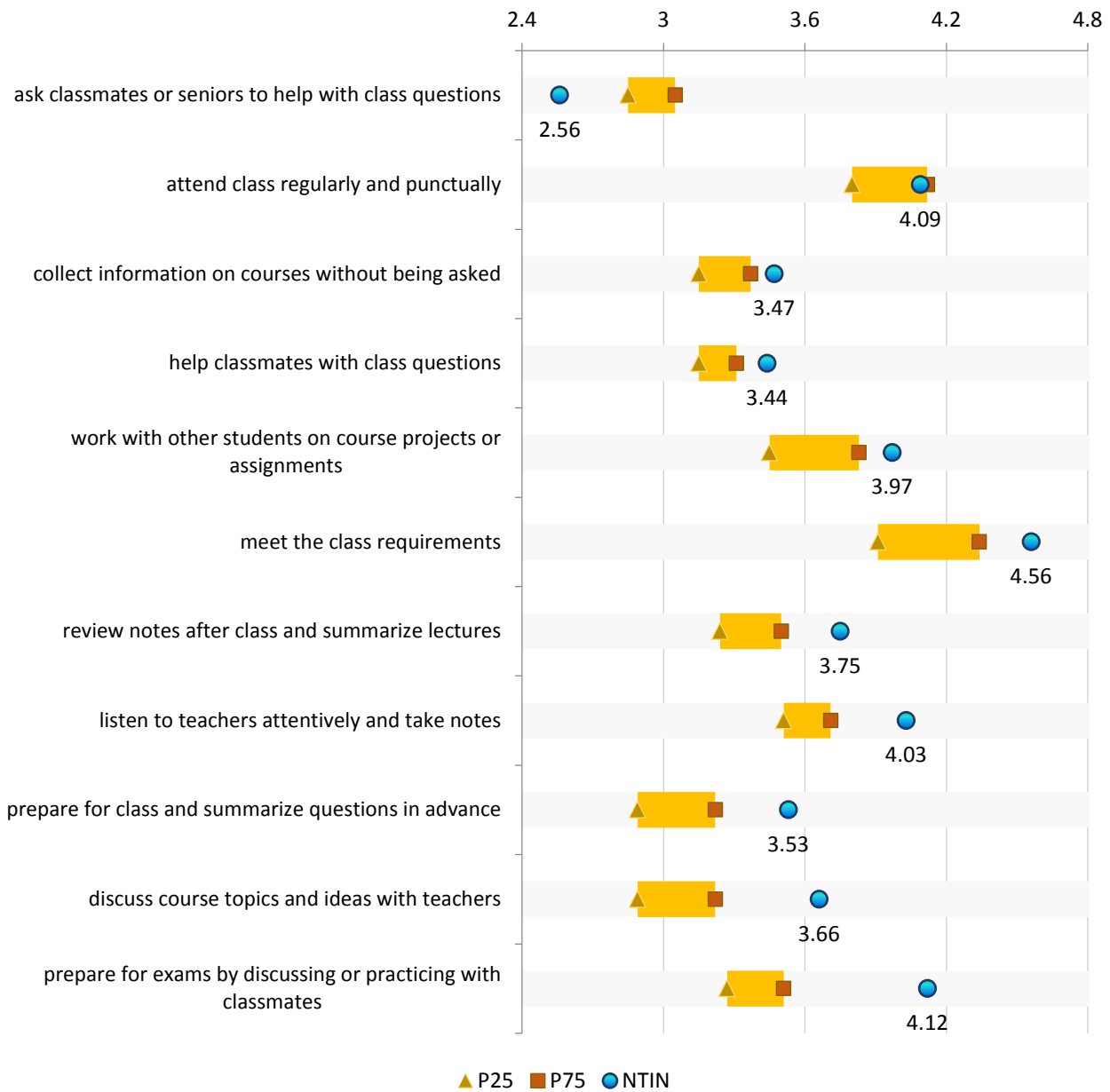
3. 【Q25】 Frequency of Learning Activities

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
ask classmates or seniors to help with class questions	2.56	2	2.85	3.05	-0.29	-0.49
attend class regularly and punctually	4.09	69	3.80	4.12	0.29	-0.03
collect information on courses without being asked	3.47	88	3.15	3.37	0.32	0.10
help classmates with class questions	3.44	90	3.15	3.31	0.29	0.13
work with other students on course projects or assignments	3.97	92	3.45	3.83	0.52 *	0.14
meet the class requirements	4.56	94	3.91	4.34	0.65 **	0.22
review notes after class and summarize lectures	3.75	98	3.24	3.50	0.51 *	0.25
listen to teachers attentively and take notes	4.03	98	3.51	3.71	0.52 **	0.32
prepare for class and summarize questions in advance	3.53	98	2.89	3.22	0.64 **	0.31
discuss course topics and ideas with teachers	3.66	98	2.89	3.22	0.77 **	0.44
prepare for exams by discussing or practicing with classmates	4.12	99	3.27	3.51	0.85 **	0.61 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 6-3 】 Frequency of Learning Activities in comparison with P25 & P75



4. 【Q26】Average Engagement on Particular Activity

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
extracurricular activities	2.28	2	2.61	2.97	-0.33	-0.69 *
using the Internet or smartphone	3.38	2	3.55	3.65	-0.17	-0.27
studying courses	3.22	12	3.30	3.59	-0.08	-0.37
community service or volunteering	2.12	23	2.13	2.65	-0.01	-0.53
leisure activities	3.28	37	3.24	3.35	0.04	-0.07
preparing for class	3.16	54	3.06	3.19	0.10	-0.03
part-time job	2.47	56	1.97	2.75	0.50	-0.28
spending time with girlfriend/boyfriend	2.41	63	1.99	2.58	0.42	-0.17
preparing for certification exams or competitions	3.03	63	2.53	3.10	0.50	-0.07
spending time with family	3.66	77	3.11	3.65	0.55 *	0.01
doing assignments or reports	4.06	98	3.49	3.76	0.57 *	0.30

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-4】 Students' Average Engagement on Particular Activity in comparison with P25 & P75

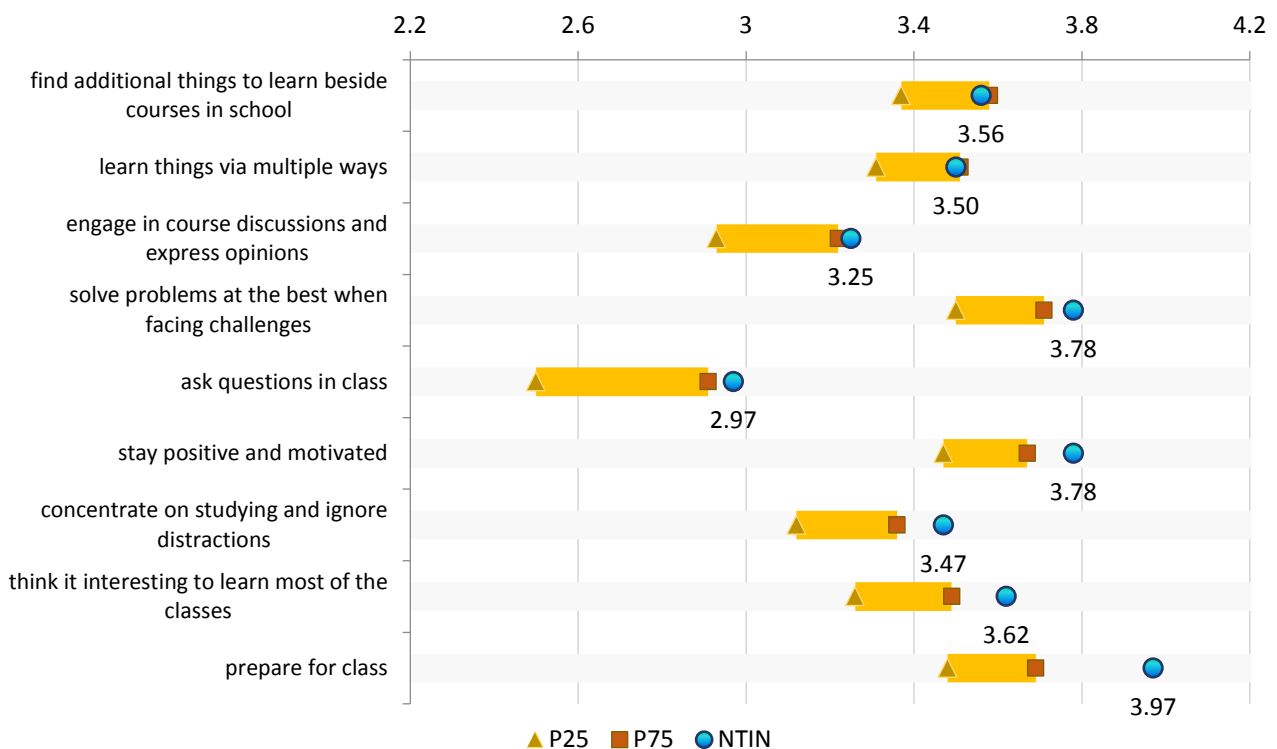
5. 【Q27】 Recognition of Learning Attitude

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
find additional things to learn beside courses in school	3.56	71	3.37	3.58	0.19	-0.02
learn things via multiple ways	3.50	73	3.31	3.51	0.19	-0.01
engage in course discussions and express opinions	3.25	81	2.93	3.22	0.32	0.03
solve problems at the best when facing challenges	3.78	81	3.50	3.71	0.28	0.07
ask questions in class	2.97	81	2.50	2.91	0.47	0.06
stay positive and motivated	3.78	88	3.47	3.67	0.31	0.11
concentrate on studying and ignore distractions	3.47	92	3.12	3.36	0.35	0.11
think it interesting to learn most of the classes	3.62	94	3.26	3.49	0.36	0.13
prepare for class	3.97	98	3.48	3.69	0.49 *	0.28

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-5】 Students' Recognition of Learning Attitude in comparison with P25 & P75

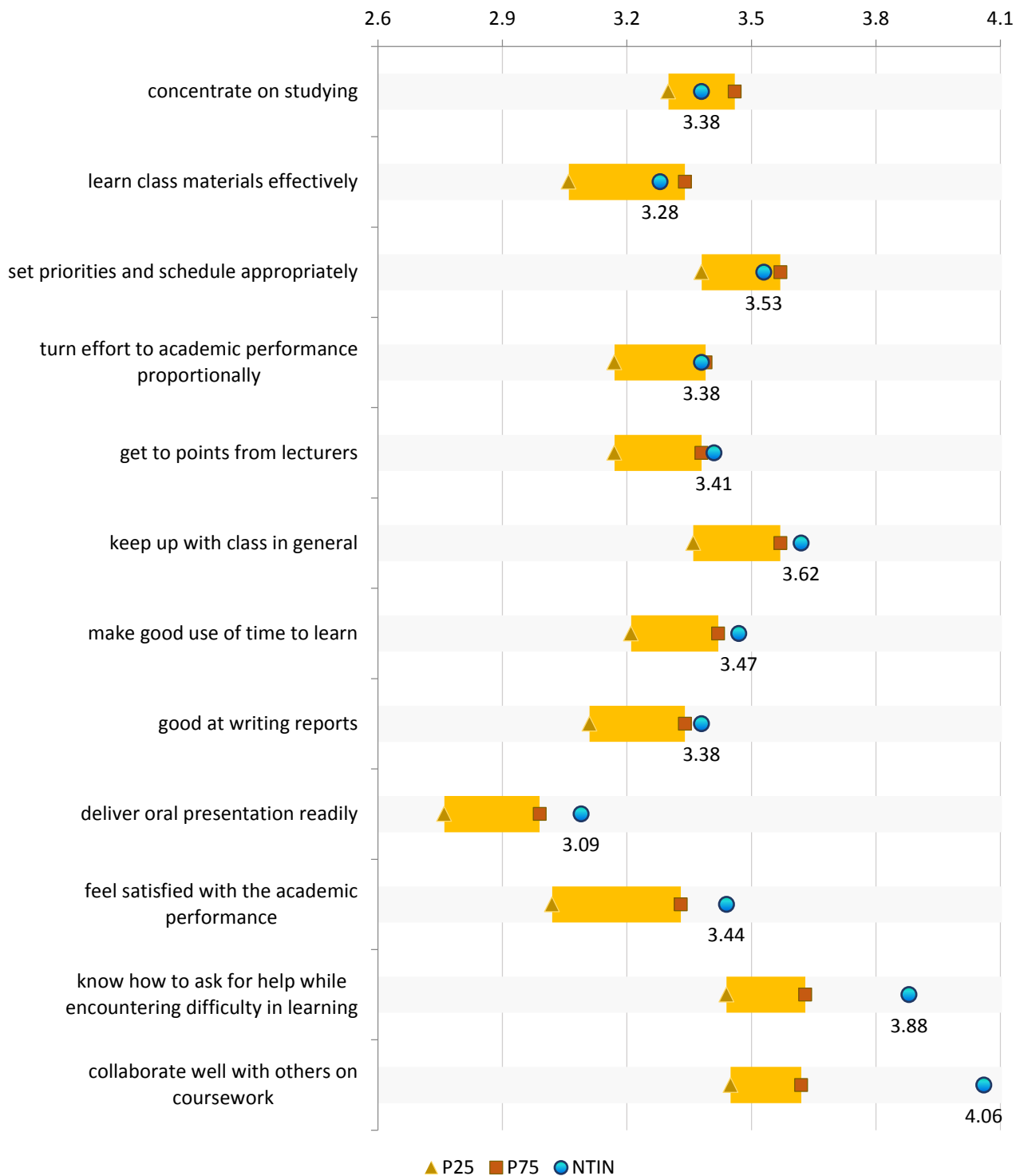
6. 【Q28】 Recognition of Curriculum Learning

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
concentrate on studying	3.38	54	3.30	3.46	0.08	-0.08
learn class materials effectively	3.28	57	3.06	3.34	0.22	-0.06
set priorities and schedule appropriately	3.53	60	3.38	3.57	0.15	-0.04
turn effort to academic performance proportionally	3.38	67	3.17	3.39	0.21	-0.01
get to points from lecturers	3.41	79	3.17	3.38	0.24	0.03
keep up with class in general	3.62	81	3.36	3.57	0.26	0.05
make good use of time to learn	3.47	81	3.21	3.42	0.26	0.05
good at writing reports	3.38	83	3.11	3.34	0.27	0.04
deliver oral presentation readily	3.09	83	2.76	2.99	0.33	0.10
feel satisfied with the academic performance	3.44	88	3.02	3.33	0.42	0.11
know how to ask for help while encountering difficulty in learning	3.88	96	3.44	3.63	0.44 *	0.25
collaborate well with others on coursework	4.06	99	3.45	3.62	0.61 **	0.44 *

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-6】 Students' Recognition of Curriculum Learning in comparison with P25 & P75

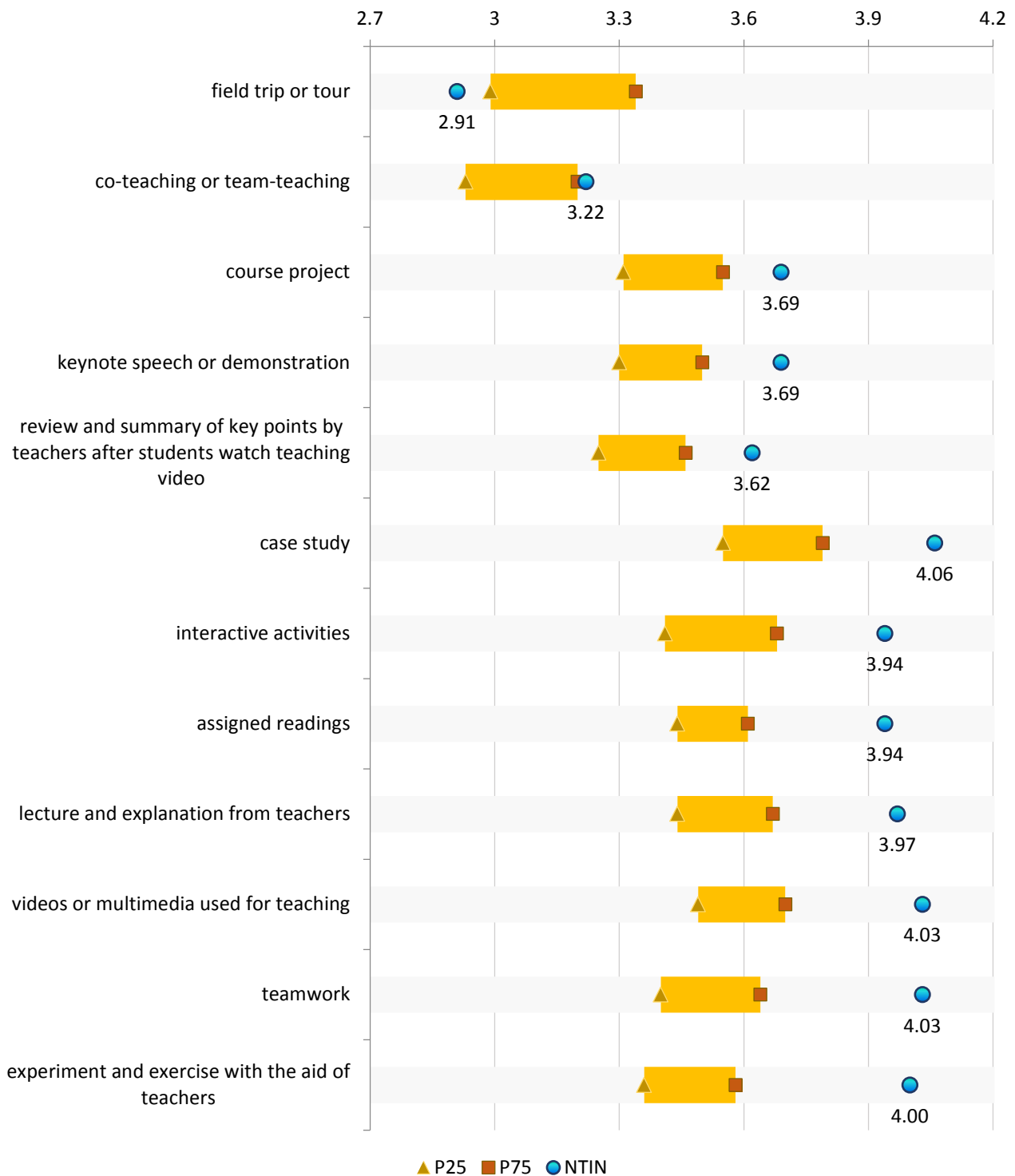
7. 【Q29】 Recognition of Teaching Methods

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
field trip or tour	2.91	17	2.99	3.34	-0.08	-0.43
co-teaching or team-teaching	3.22	83	2.93	3.20	0.29	0.02
course project	3.69	88	3.31	3.55	0.38	0.14
keynote speech or demonstration	3.69	92	3.30	3.50	0.39	0.19
review and summary of key points by teachers after students watch teaching video	3.62	96	3.25	3.46	0.37	0.16
case study	4.06	96	3.55	3.79	0.51 **	0.27
interactive activities	3.94	98	3.41	3.68	0.53 *	0.26
assigned readings	3.94	98	3.44	3.61	0.50 *	0.33
lecture and explanation from teachers	3.97	98	3.44	3.67	0.53 **	0.30
videos or multimedia used for teaching	4.03	98	3.49	3.70	0.54 **	0.33
teamwork	4.03	99	3.40	3.64	0.63 **	0.39 *
experiment and exercise with the aid of teachers	4.00	99	3.36	3.58	0.64 **	0.42

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 6-7】 Students' Recognition of Teaching Methods in comparison with P25 & P75



VII. Self-Evaluation

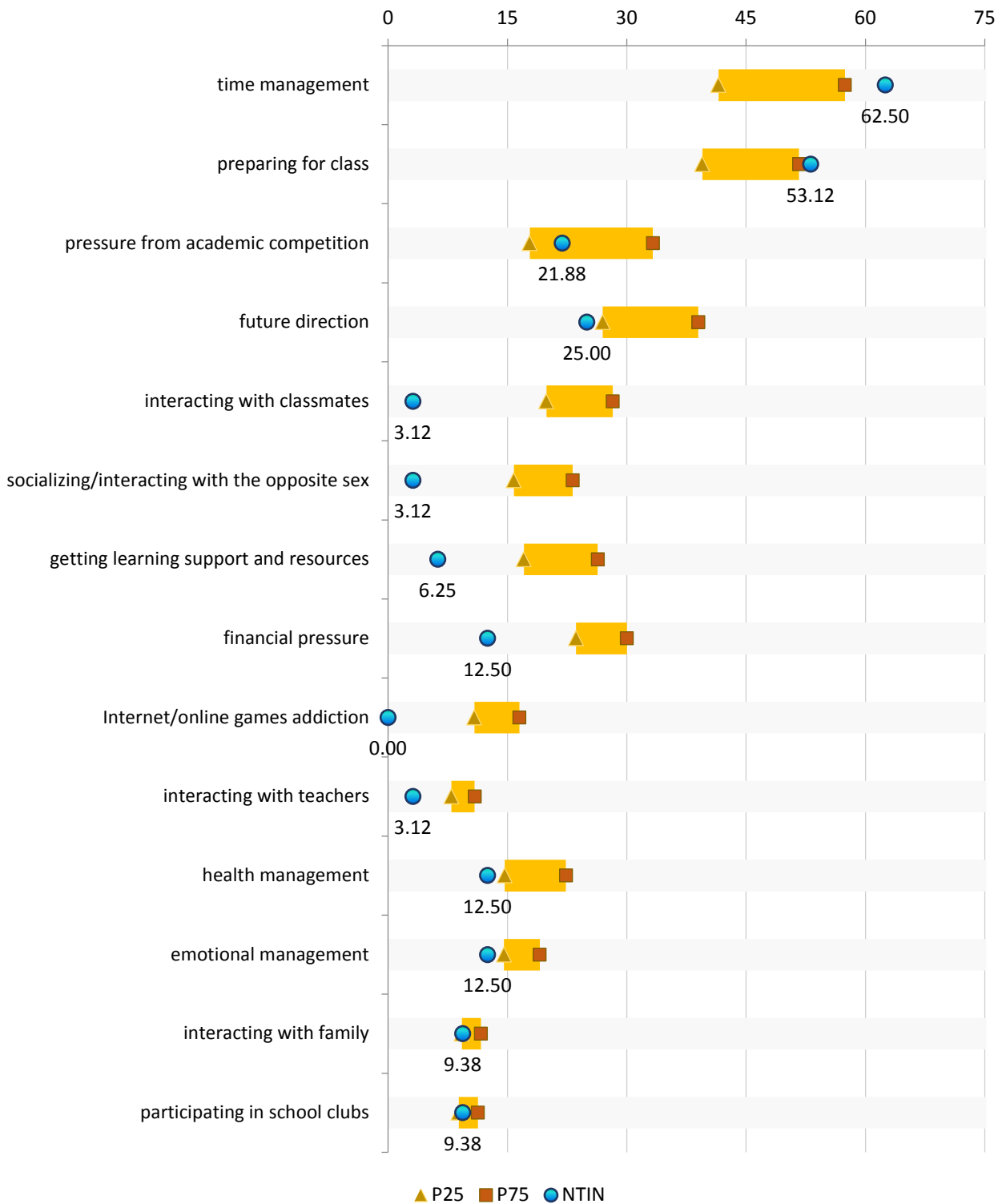
1. 【Q30】 Troublesome Issues

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
time management	62.50	86	41.53	57.43	20.97 *	5.07
preparing for class	53.12	82	39.50	51.67	13.62	1.45
pressure from academic competition	21.88	40	17.81	33.30	4.07	-11.42
future direction	25.00	19	26.98	39.00	-1.98	-14.00
interacting with classmates	3.12	--	19.90	28.25	-16.78 **	-25.13 **
socializing/interacting with the opposite sex	3.12	--	15.81	23.21	-12.69 **	-20.09 **
getting learning support and resources	6.25	--	17.06	26.36	-10.81 *	-20.11 **
financial pressure	12.50	--	23.62	30.02	-11.12	-17.52 **
Internet/online games addiction	0.00	--	10.85	16.52	-10.85 **	-16.52 **
interacting with teachers	3.12	--	7.96	10.89	-4.84	-7.77 *
health management	12.50	--	14.66	22.37	-2.16	-9.87
emotional management	12.50	--	14.56	19.07	-2.06	-6.57
interacting with family	9.38	--	9.27	11.68	0.11	-2.30
participating in school clubs	9.38	--	8.87	11.29	0.51	-1.91

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【 Figure 7-1 】 Students' Troublesome Issues in comparison with P25 & P75(%)

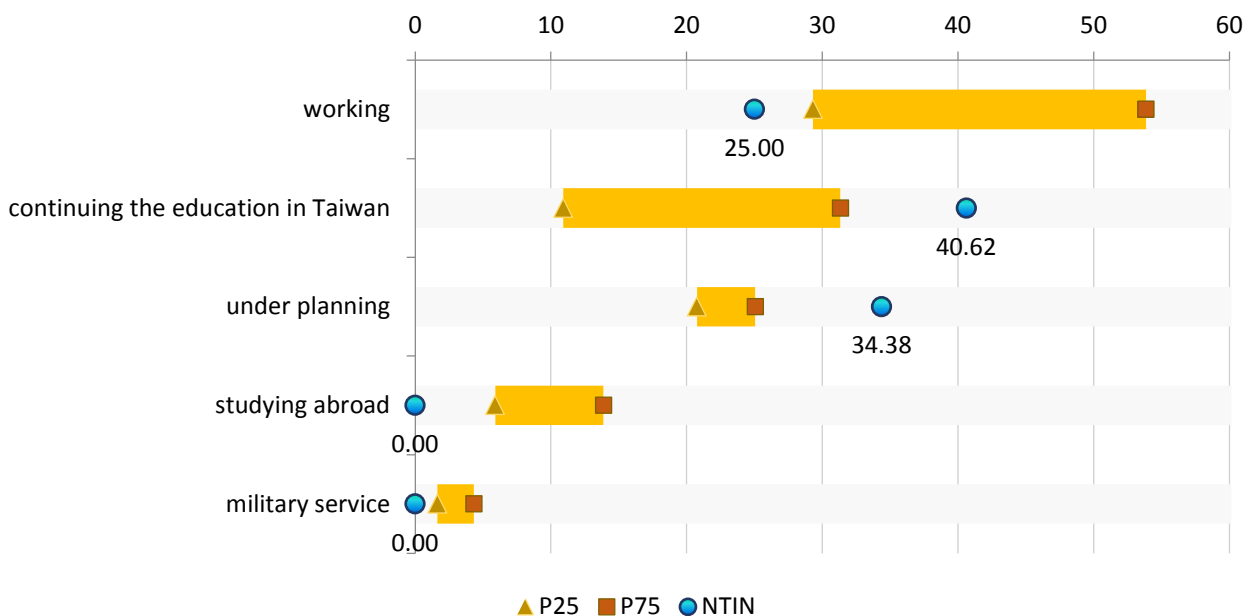
2. 【Q31】 Key Focus for Career and Life Planning

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
working	25.00	13	29.32	53.86	-4.32	-28.86 **
continuing the education in Taiwan	40.62	90	10.92	31.34	29.70 **	9.28
under planning	34.38	99	20.76	25.07	13.62	9.31
studying abroad	0.00	--	5.90	13.89	-5.90 *	-13.89 **
military service	0.00	--	1.64	4.33	-1.64	-4.33 *

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 7-2】 Students' Key Focus for Career and Life Planning in comparison with P25 & P75(%)

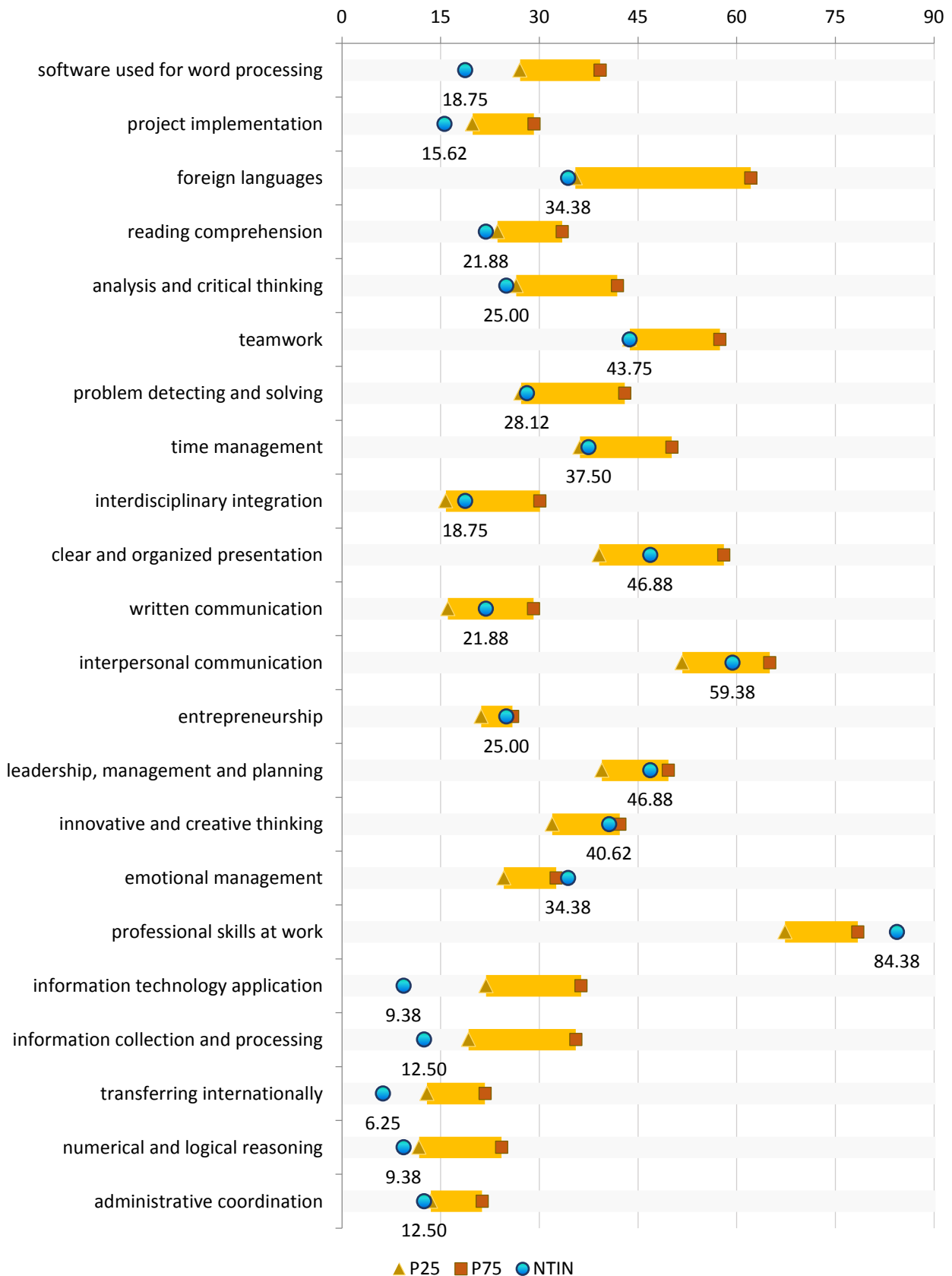
3. 【Q32】 Learning Focuses during School Years

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
software used for word processing	18.75	1	27.08	39.26	-8.33	-20.51 **
project implementation	15.62	11	19.87	29.19	-4.25	-13.57 *
foreign languages	34.38	17	35.49	62.15	-1.11	-27.77 **
reading comprehension	21.88	19	23.65	33.49	-1.77	-11.61
analysis and critical thinking	25.00	21	26.50	41.88	-1.50	-16.88 *
teamwork	43.75	26	43.74	57.47	0.01	-13.72
problem detecting and solving	28.12	28	27.22	43.00	0.90	-14.88
time management	37.50	30	36.19	50.17	1.31	-12.67
interdisciplinary integration	18.75	39	15.80	30.11	2.95	-11.36
clear and organized presentation	46.88	44	39.10	58.06	7.78	-11.18
written communication	21.88	50	16.11	29.14	5.77	-7.26
interpersonal communication	59.38	51	51.73	65.04	7.65	-5.66
entrepreneurship	25.00	61	21.18	25.94	3.82	-0.94
leadership, management and planning	46.88	63	39.51	49.63	7.37	-2.75
innovative and creative thinking	40.62	69	31.97	42.24	8.65	-1.62
emotional management	34.38	80	24.61	32.58	9.77	1.80
professional skills at work	84.38	94	67.35	78.42	17.03	5.96
information technology application	9.38	--	21.91	36.35	-12.53 *	-26.97 **
information collection and processing	12.50	--	19.25	35.56	-6.75	-23.06 **
transferring internationally	6.25	--	12.93	21.77	-6.68	-15.52 **
numerical and logical reasoning	9.38	--	11.73	24.28	-2.35	-14.90 *
administrative coordination	12.50	--	13.51	21.32	-1.01	-8.82

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 7-3】 Students' Learning Focuses during School Years in comparison with P25 & P75(%)



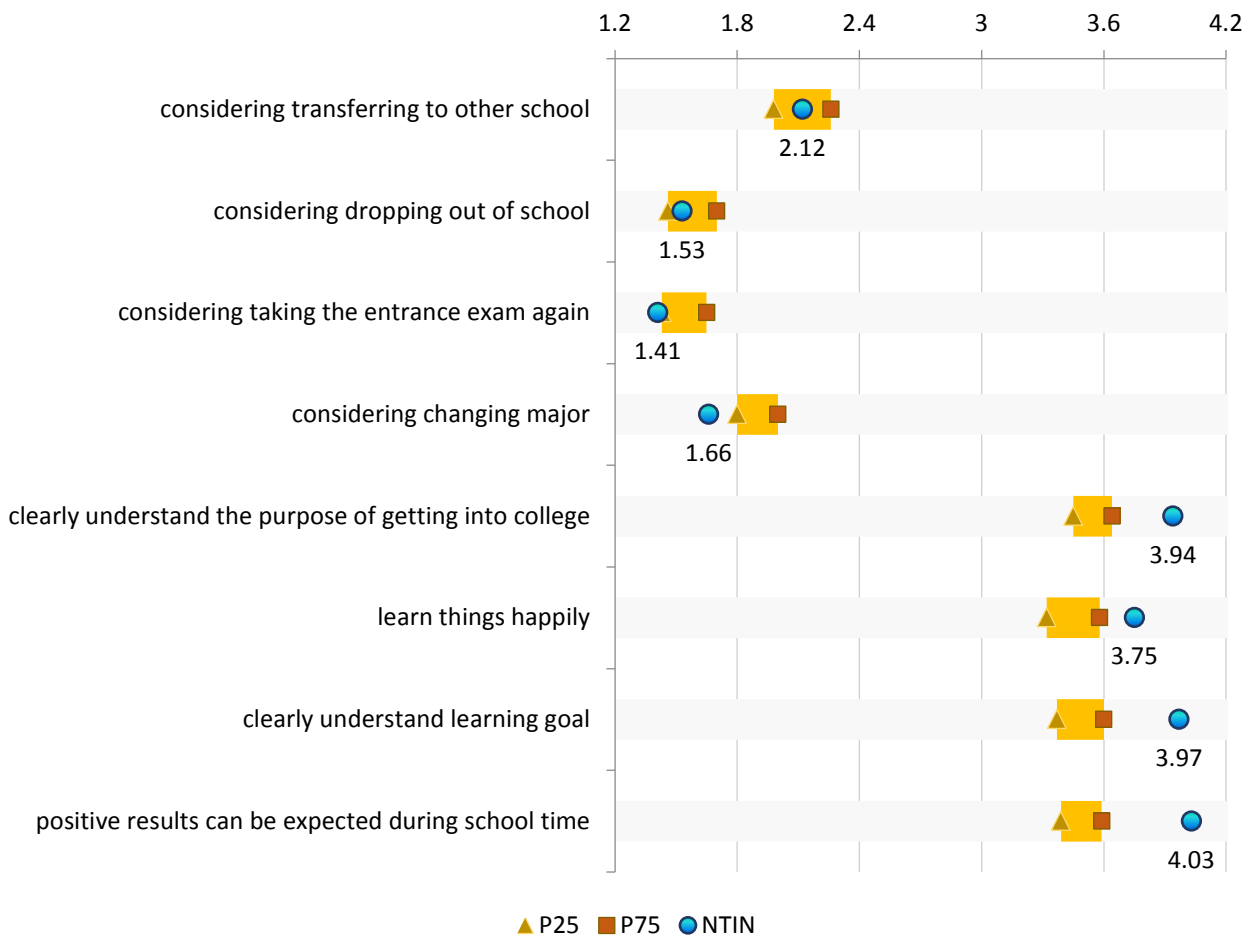
4. 【Q33】 Status of Self-Evaluation

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
considering transferring to other school	2.12	65	1.98	2.26	0.14	-0.14
considering dropping out of school	1.53	38	1.46	1.70	0.07	-0.17
considering taking the entrance exam again	1.41	19	1.43	1.65	-0.02	-0.24
considering changing major	1.66	12	1.80	2.00	-0.14	-0.34
clearly understand the purpose of getting into college	3.94	96	3.45	3.64	0.49 *	0.30
learn things happily	3.75	98	3.32	3.58	0.43	0.17
clearly understand learning goal	3.97	98	3.37	3.60	0.60 **	0.37
positive results can be expected during school time	4.03	99	3.39	3.59	0.64 **	0.44

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 7-4】Students' Status of Self-Evaluation in comparison with P25 & P75

VIII. Summary of Descriptive Statistical Analysis

1. 【Q21/Q22】 Difference between Actual and Expected Score

Item	Difference between Actual and Expected Score	Expected Score	Actual Score
**decent support for obtaining certificates and its financial aids	0.76	4.50	3.74
**comfortable classrooms	0.72	4.53	3.81
multiple student clubs	0.61	4.25	3.64
*decent support for participating in competitions and its financial aids	0.60	4.31	3.71
plentiful international interchange opportunities	0.52	4.28	3.76
sound guidance for daily life and career counseling	0.47	4.31	3.85
*good amenities on campus	0.47	4.47	4.00
flexible and appropriate curriculum	0.46	4.28	3.82
job-relevant internships	0.44	4.31	3.88
practical teaching equipment	0.35	4.28	3.94
sufficient opportunities for multiple learning	0.31	4.22	3.90
decent assistance for course selection	0.29	4.22	3.93
user friendly website	0.22	4.19	3.97
plentiful academic resources	0.21	3.97	3.76
clean campus and environment	0.21	4.38	4.16
comprehensive liberal learning courses	0.20	4.09	3.89
good school cafeteria and dining arrangements	0.18	4.09	3.91
decent facilities in the library	0.11	4.03	3.93
international learning sources	0.09	3.88	3.79
e-learning and information technology support	0.09	4.12	4.03
useful information on part-time jobs or scholarship	0.08	3.91	3.83
convenient transportation	0.06	4.22	4.15
convenient course selection system	0.03	4.03	4.00
efficient administrative service and flexible solutions	0.01	3.94	3.93
useful information on housing	-0.03	3.81	3.84
decent dormitory and accommodation	-0.16	3.84	4.00

Note 1: The order of items is based on the difference between actual and expected score; the ones with higher figure shall be prioritized. If the "Difference between Actual and Expected Score" is a positive number, it represents that students' actual experience is less than expectation; if it is a negative number, it represents that students' actual experience exceeds expectation.

Note 2: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.

Note 3: "Expected Score" is between 0 to 5, evaluating students' expectation level about the resources and services provided by the institution.

Note 4: "Actual Score" is between 0 to 5, evaluating students' actual experience about the resources and services provided by the institution.



【Figure 8-1】 Difference between Actual and Expected Score of the Resources Provided by the School

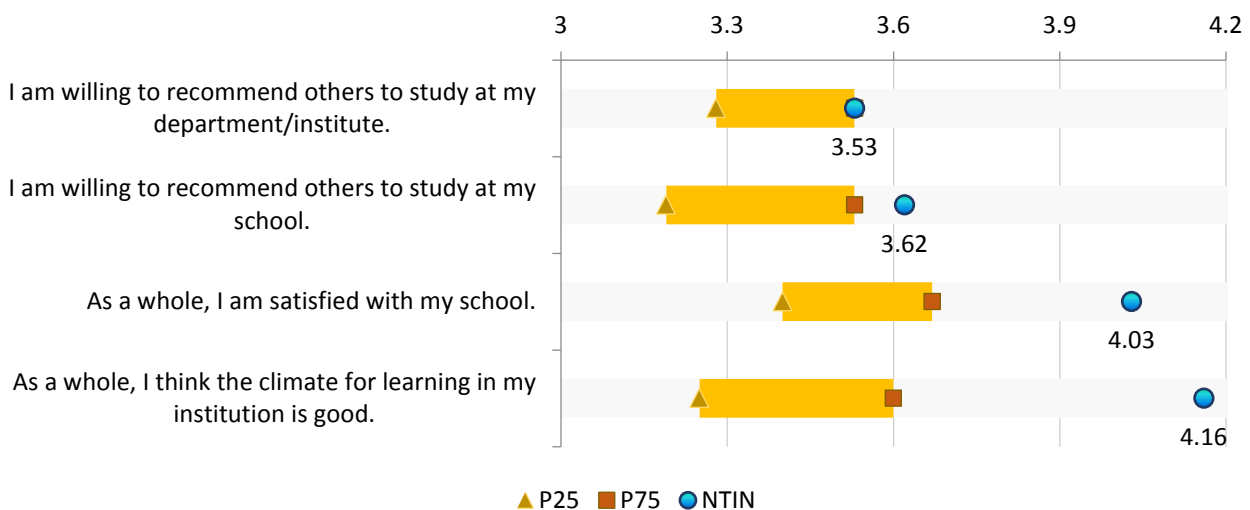
2. 【Q34】 Recognition of Overall Situation

Item	NTIN		P25	P75	Difference with P25	Difference with P75
	Average	Percentile				
I am willing to recommend others to study at my department/institute.	3.53	75	3.28	3.53	0.25	--
I am willing to recommend others to study at my school.	3.62	83	3.19	3.53	0.43	0.09
As a whole, I am satisfied with my school.	4.03	99	3.40	3.67	0.63 **	0.36
As a whole, I think the climate for learning in my institution is good.	4.16	99	3.25	3.60	0.91 **	0.56 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 8-2】 Students' Recognition of Overall Situation in comparison with P25 & P75

IX. Cross Analysis

1. 【Q2*Q10】 Students' (with different status) Ways of Obtaining Information on the School

(1) Local student

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
the Internet	18.75	3	23.94	36.56	-5.19	-17.81 *
high school/technical school teachers	34.38	39	28.21	46.77	6.17	-12.39
registration brochure	21.88	44	16.16	41.93	5.72	-20.05 *
campus promotion by the current school	15.62	56	4.67	22.09	10.95 *	-6.47
school reputation	25.00	70	11.03	25.98	13.97 *	-0.98
friends, classmates, and senior classmates	37.50	76	25.20	36.97	12.30	0.53
family	12.50	--	18.37	29.39	-5.87	-16.89 **
teachers from the current school	3.12	--	4.41	11.43	-1.29	-8.31 *
department reputation	12.50	--	9.39	16.45	3.11	-3.95
cram school	3.12	--	1.83	4.51	1.29	-1.39
advertisements	3.12	--	1.54	2.71	1.58	0.41

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-1-1】 Students' Ways of Obtaining Information on the School in comparison with P25 & P75(%)—Local student

2. 【Q2*Q13】 Students' (with different status) Choice Priority to the School

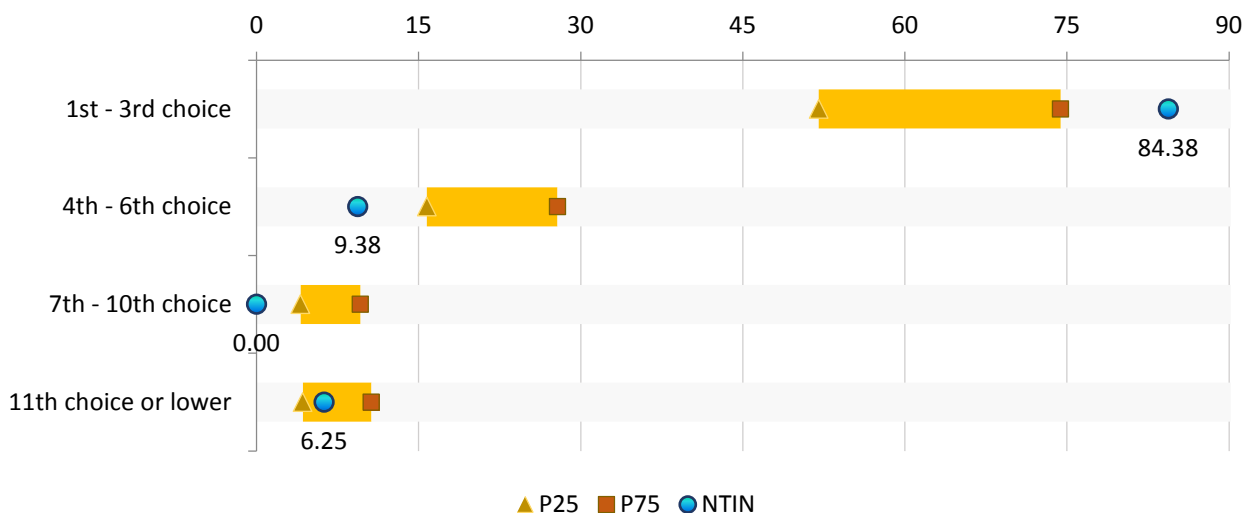
(1) Local student

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
1st - 3rd choice	84.38	92	52.03	74.42	32.35 **	9.96
4th - 6th choice	9.38	--	15.77	27.86	-6.39	-18.48 **
7th - 10th choice	0.00	--	4.08	9.61	-4.08 *	-9.61 **
11th choice or lower	6.25	--	4.29	10.63	1.96	-4.38

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-2-1】 Students' Choice Priority to the School in comparison with P25 & P75(%) — Local student

3. 【Q6*Q10】Students' (from different region) Ways of Obtaining Information on the School

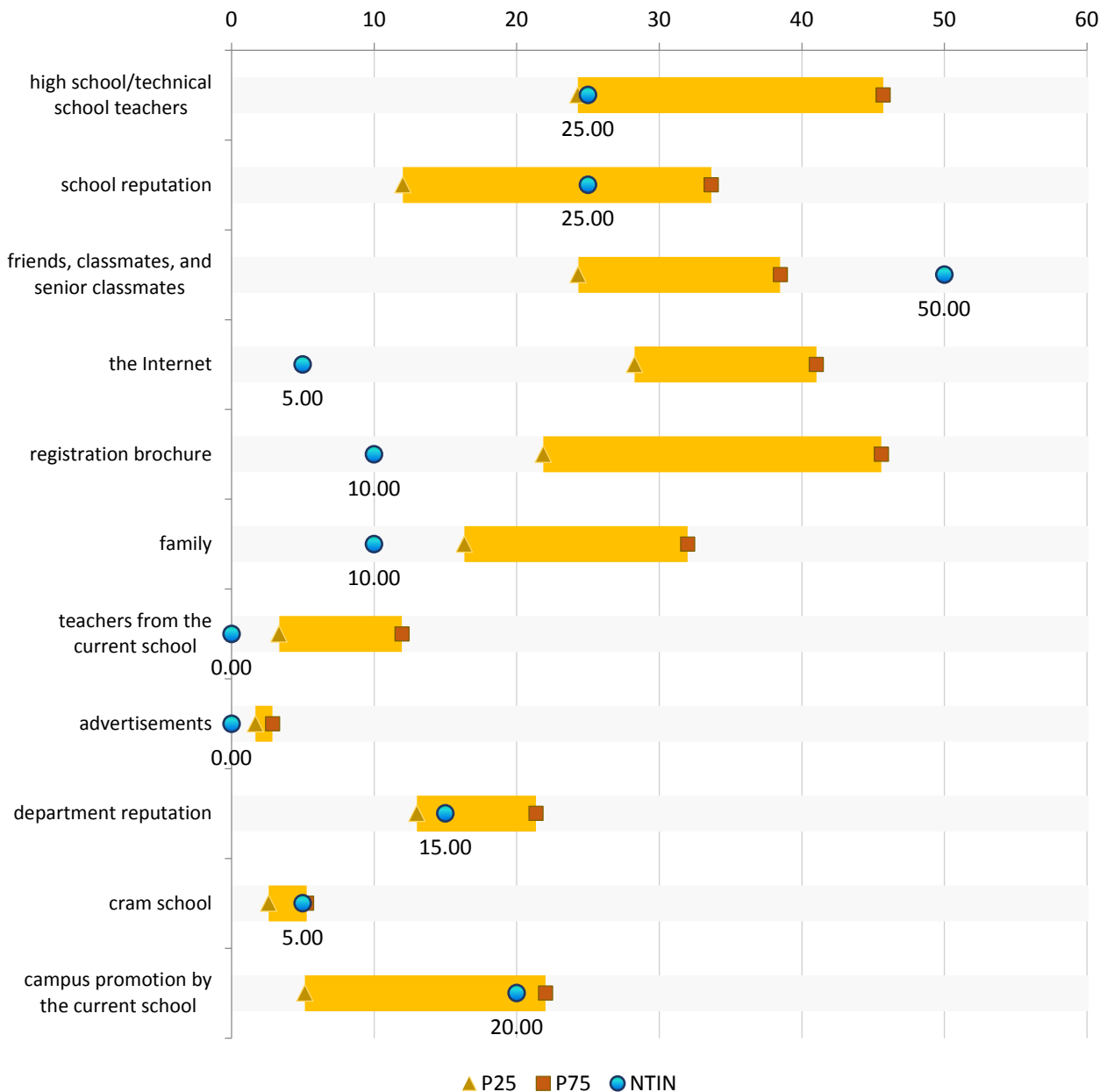
(1) Southern Region

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
high school/technical school teachers	25.00	27	24.29	45.72	0.71	-20.72 *
school reputation	25.00	64	12.02	33.66	12.98 *	-8.66
friends, classmates, and senior classmates	50.00	97	24.32	38.50	25.68 **	11.50
the Internet	5.00	--	28.27	41.03	-23.27 **	-36.03 **
registration brochure	10.00	--	21.87	45.59	-11.87 *	-35.59 **
family	10.00	--	16.33	32.00	-6.33	-22.00 **
teachers from the current school	0.00	--	3.34	11.96	-3.34	-11.96 **
advertisements	0.00	--	1.68	2.88	-1.68	-2.88
department reputation	15.00	--	13.00	21.36	2.00	-6.36
cram school	5.00	--	2.60	5.27	2.40	-0.27
campus promotion by the current school	20.00	--	5.14	22.03	14.86 **	-2.03

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-3-1】 Students' Ways of Obtaining Information on the School in comparison with P25 & P75(%)—Southern Region

4. 【Q6*Q11】 Students' (from different region) Main Reasons for Choosing the School

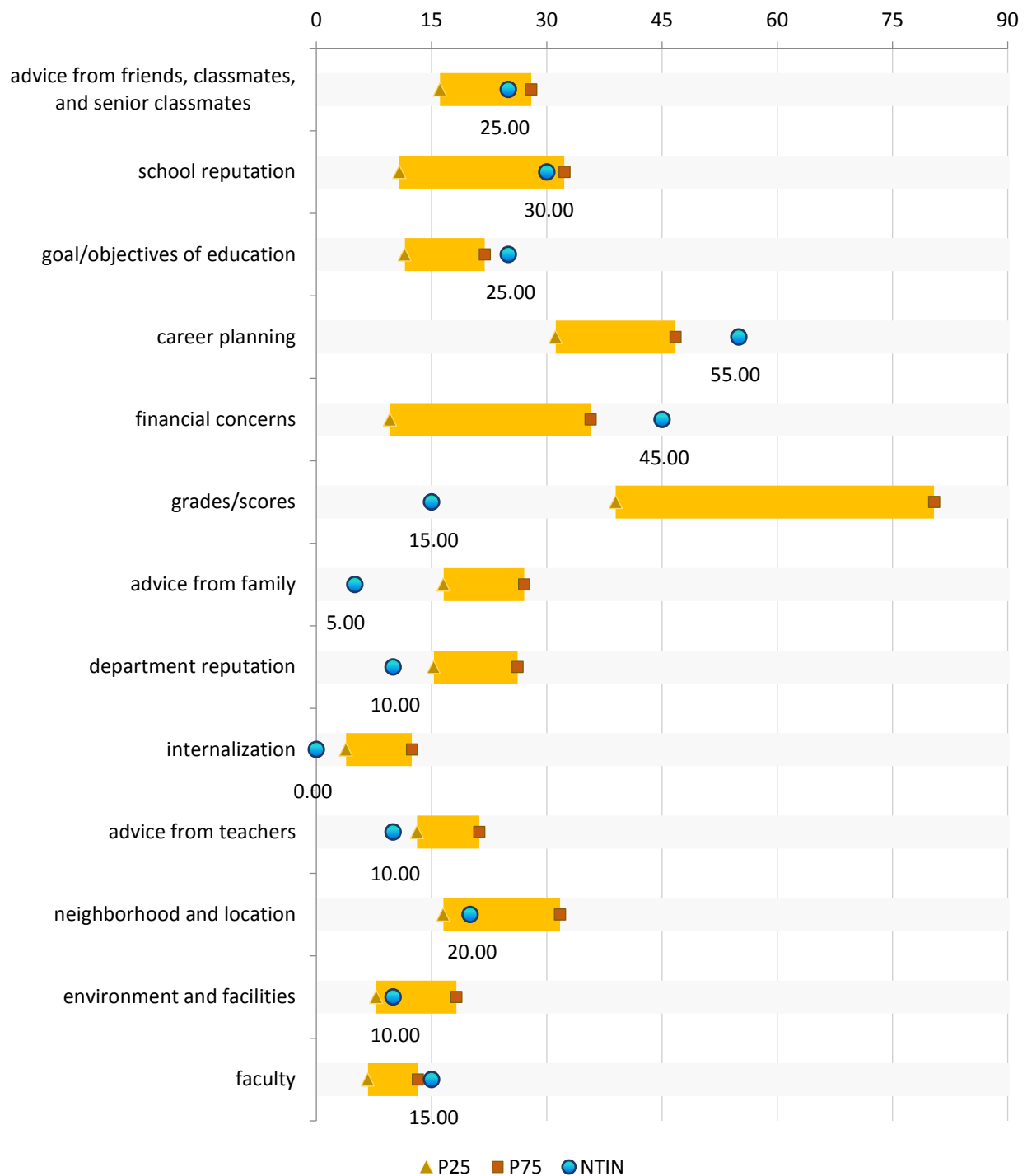
(1) Southern Region

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
advice from friends, classmates, and senior classmates	25.00	60	16.09	27.98	8.91	-2.98
school reputation	30.00	69	10.81	32.29	19.19 **	-2.29
goal/objectives of education	25.00	82	11.50	21.93	13.50 *	3.07
career planning	55.00	91	31.14	46.74	23.86 *	8.26
financial concerns	45.00	99	9.57	35.71	35.43 **	9.29
grades/scores	15.00	--	38.95	80.42	-23.95 **	-65.42 **
advice from family	5.00	--	16.56	27.05	-11.56 *	-22.05 **
department reputation	10.00	--	15.29	26.20	-5.29	-16.20 **
internalization	0.00	--	3.85	12.45	-3.85	-12.45 **
advice from teachers	10.00	--	13.11	21.20	-3.11	-11.20 *
neighborhood and location	20.00	--	16.52	31.72	3.48	-11.72
environment and facilities	10.00	--	7.79	18.23	2.21	-8.23
faculty	15.00	--	6.71	13.21	8.29	1.79

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "***" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-4-1】Students' Main Reasons for Choosing the School in comparison with P25 & P75(%) — Southern Region

5. 【Q16*Q11】 Students' (with different major) Main Reasons for Choosing the School

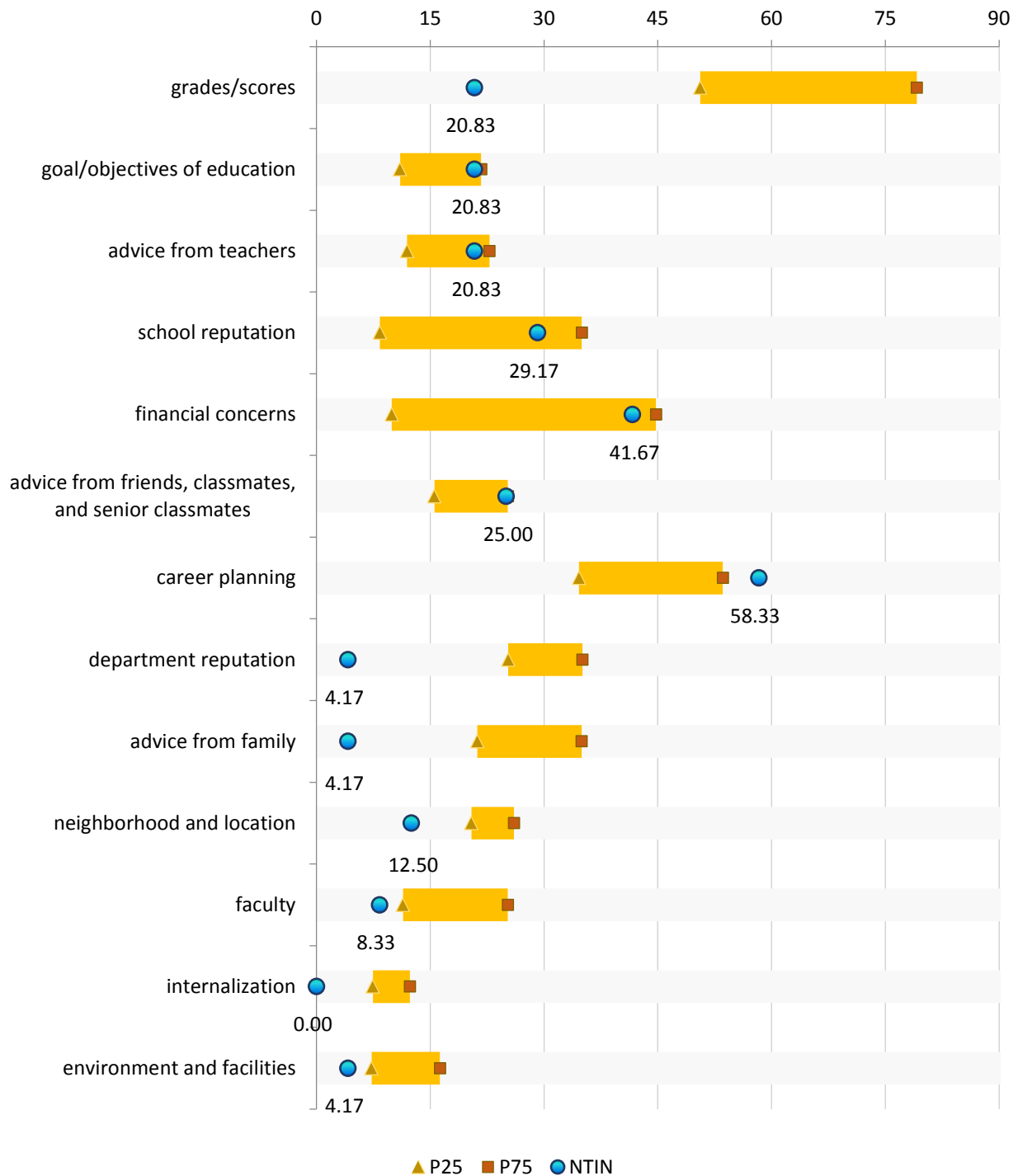
(1) Medicine and Health

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
grades/scores	20.83	12	50.60	79.17	-29.77 **	-58.34 **
goal/objectives of education	20.83	58	11.03	21.74	9.80	-0.91
advice from teachers	20.83	62	11.96	22.83	8.87	-2.00
school reputation	29.17	69	8.37	35.01	20.80 **	-5.84
financial concerns	41.67	69	9.94	44.79	31.73 **	-3.12
advice from friends, classmates, and senior classmates	25.00	71	15.56	25.25	9.44	-0.25
career planning	58.33	93	34.62	53.60	23.71 *	4.73
department reputation	4.17	--	25.28	35.08	-21.11 **	-30.91 **
advice from family	4.17	--	21.22	34.98	-17.05 **	-30.81 **
neighborhood and location	12.50	--	20.43	26.05	-7.93	-13.55 *
faculty	8.33	--	11.41	25.26	-3.08	-16.93 **
internalization	0.00	--	7.45	12.34	-7.45 **	-12.34 **
environment and facilities	4.17	--	7.26	16.30	-3.09	-12.13 **

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-5-1】Students' Main Reasons for Choosing the School in comparison with P25 & P75(%) — Medicine and Health

6. 【Q16*Q12】Students' (with different major) Considerations for Choosing the Major

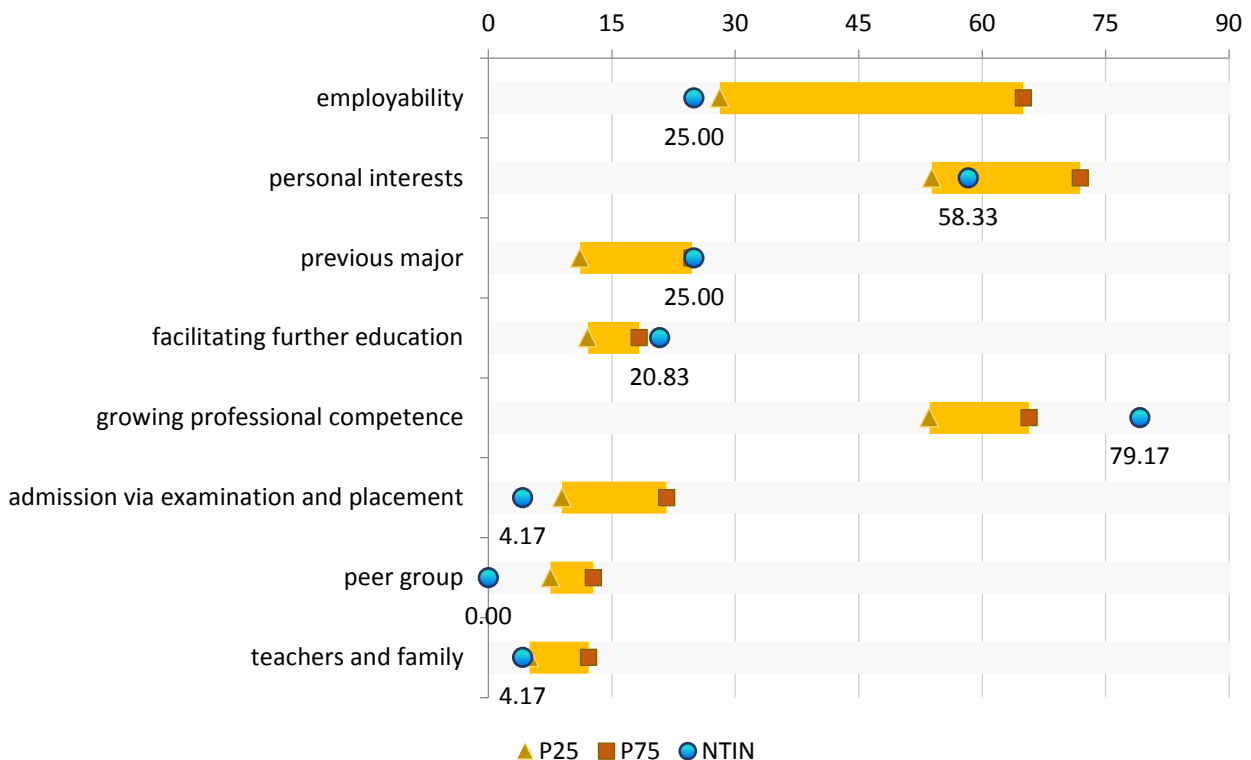
(1) Medicine and Health

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
employability	25.00	12	28.12	65.00	-3.12	-40.00 **
personal interests	58.33	35	53.88	71.93	4.45	-13.60
previous major	25.00	76	11.15	24.73	13.85 *	0.27
facilitating further education	20.83	91	12.08	18.31	8.75	2.52
growing professional competence	79.17	99	53.59	65.73	25.58 *	13.44
admission via examination and placement	4.17	--	8.95	21.66	-4.78	-17.49 **
peer group	0.00	--	7.55	12.76	-7.55 **	-12.76 **
teachers and family	4.17	--	5.00	12.20	-0.83	-8.03 *

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-6-1】Students' Considerations for Choosing the Major in comparison with P25 & P75(%) — Medicine and Health

7. 【Q16*Q14】Students' (with different major) Choice Priority to the Department/Institute

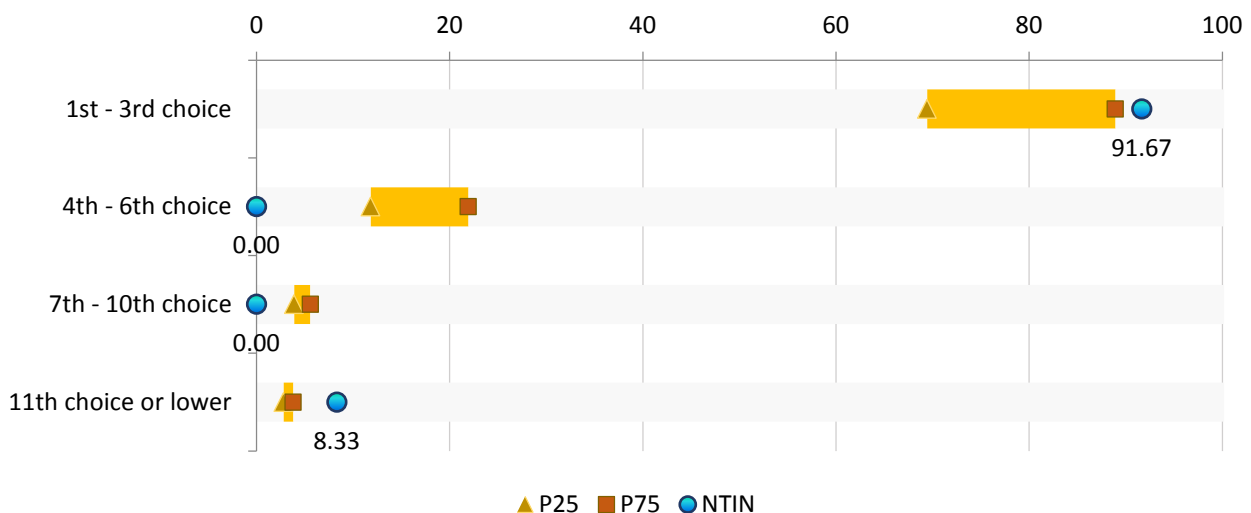
(1) Medicine and Health

Item	NTIN		P25 (%)	P75 (%)	Difference with P25 (%)	Difference with P75 (%)
	Percentage	Percentile				
1st - 3rd choice	91.67	83	69.44	88.93	22.23	2.74
4th - 6th choice	0.00	--	11.82	21.93	-11.82 **	-21.93 **
7th - 10th choice	0.00	--	3.90	5.58	-3.90 *	-5.58 *
11th choice or lower	8.33	--	2.81	3.80	5.52	4.53

Note 1: The order of items is based on the order of percentile. A direct question with lower figure shall be prioritized; an indirect question with higher figure shall be prioritized.

Note 2: Among 53 institutions that had joined the survey, if Institution A's "Percentile" is Pk, then it indicates Institution A's value is higher than k% of the institution number. For instance, P99 indicates the institution with the value higher than 99% of institutions, which means higher than other 52 institutions; P50 indicates the institution with the value higher than 50% of institutions, which means higher than other 26 ones. To reduce analysis errors, any institution with less than five samples will not be calculated for percentile.

Note 3: "*" represents that two values have significant difference while the confidence level is $p=0.05$ (two-tailed test); "**" represents that they have very significant difference while the confidence level is $p=0.01$.



【Figure 9-7-1】Students' Choice Priority to the Department/Institute in comparison with P25 & P75(%)—Medicine and Health



Appendix: Questionnaire

TWAEA 2021-22 National Survey on Freshman Learning Adaptation 【University】

Dear student,

First of all, thank you for your time spent on this questionnaire. This is a national survey intended for the study on the learning adaptation of freshmen. To better the educational quality of universities, your participation to this questionnaire is a great help to us for the future improvement on both the institutional administration and learning environment. Anonymity is adopted for this questionnaire, and the provided answers will be collected only for research, not for other usages.

It will take about 5~10 minutes to complete the questionnaire. Your answers will benefit a lot to the university's future development and quality enhancement. We value and respect your true feelings very much, please follow your subjective judgment to answer the questions. In case of any questions please email to cindy@twaea.org.tw. Thank you for your cooperation and support.

Taiwan Assessment and Evaluation Association

A. Basic Information

1. Gender: ☐₁ Male ☐₂ Female
2. Status:
☐₁ Local student ☐₂ Overseas Chinese student ☐₃ Student from Mainland China
☐₄ Student from Hong Kong or Macao ☐₅ Foreign student (Nationality):
3. Current Family Financial Situation:
☐₁ Extremely rich ☐₂ Rich ☐₃ Middle class ☐₄ Poor ☐₅ Extremely poor
4. Culturally Unfavorable Background (multiple choices)
☐₁ The first one to study at university/college in the family (none of the great grandparents, grandparents, and parents went to university/college, including five-year junior college, two-year junior college, and four-year technical university/college)
☐₂ New immigrant or second generation of new immigrant
☐₃ No culturally unfavorable background
☐₄ Others _____
5. From which type of school did you graduate?
☐₁ Ordinary Senior High School ☐₂ Comprehensive High School-Academic Program
☐₃ Comprehensive High School-Vocational Program ☐₄ Vocational High School
☐₅ Junior College ☐₆ Home study ☐₇ Other _____
6. Where is the location of the school that you graduated from?
☐₁ Taipei City ☐₂ New Taipei City ☐₃ Keelung City ☐₄ Yilan County
☐₅ Taoyuan City ☐₆ Hsinchu City ☐₇ Hsinchu County ☐₈ Miaoli County
☐₉ Taichung City ☐₁₀ Changhua County ☐₁₁ Nantou County ☐₁₂ Yunlin County
☐₁₃ Chiayi City ☐₁₄ Chiayi County ☐₁₅ Tainan City ☐₁₆ Kaohsiung City
☐₁₇ Pingtung County ☐₁₈ Hualien County ☐₁₉ Taitung County ☐₂₀ Penghu County
☐₂₁ Kinmen County ☐₂₂ Lienchiang County ☐₂₃ Foreign Country



7. How do you afford to pay for your tuition fees? (multiple choices)
- ☐₁ Contributions/remittance from family ☐₂ Earnings from part-time job
☐₃ Scholarship ☐₄ Financial aids ☐₅ Other _____
8. How do you afford to pay for the cost of learning and living (including books, housing, transportation, food and etc.)? (multiple choices)
- ☐₁ Contributions/remittance from family ☐₂ Earnings from part-time job
☐₃ Scholarship ☐₄ Financial aids ☐₅ Other _____

B. Admission Consideration

9. How did you gain admission to your current school?
- ☐₁ Four-Year Completion and Two-Year Junior College Programs: Selection by Recommendation
☐₂ Four-Year Completion and Two-Year Junior College Programs: Selection by Specific Skills
☐₃ Four-Year Completion and Two-Year Junior College Programs: Joint Enrolment and Allocation
☐₄ College Entrance Examination: Personal Application
☐₅ College Entrance Examination: Examination and Placement
☐₆ College Entrance Examination: Stars Program
☐₇ Outstanding Students Majoring in Specific Sports
☐₈ Offshore islands and indigenous peoples ☐₉ Entrance Exam for Disabled Students
☐₁₀ Independent Recruitment ☐₁₁ Other _____
10. The ways of obtaining information on your current school (multiple choices)
- ☐₁ high school/technical school teachers ☐₂ campus promotion by your current school
☐₃ school reputation ☐₄ department reputation ☐₅ registration brochure ☐₆ family
☐₇ friends, classmates, and senior classmates ☐₈ the Internet ☐₉ cram school
☐₁₀ teachers from your current school ☐₁₁ advertisements (on bus, billboard)
11. The main reasons for selecting your current school (multiple choices)
- ☐₁ your grades/scores ☐₂ career planning ☐₃ goal/objectives of education
☐₄ department reputation ☐₅ school reputation ☐₆ internalization
☐₇ environment and facilities ☐₈ faculty ☐₉ advice from family
☐₁₀ advice from teachers ☐₁₁ advice from friends, classmates, and senior classmates
☐₁₂ neighborhood and location ☐₁₃ financial concerns (tuition, scholarship, housing)
12. The considerations for selecting your current major (multiple choices)
- ☐₁ personal interests ☐₂ growing professional competence ☐₃ employability
☐₄ facilitating further education ☐₅ admission via examination and placement ☐₆ peer group
☐₇ teachers and family ☐₈ your previous major
13. Your current school is your:
- ☐₁ 1st - 3rd choice ☐₂ 4th - 6th choice ☐₃ 7th - 10th choice ☐₄ 11th choice or lower
14. Your current department/institute is your:
- ☐₁ 1st - 3rd choice ☐₂ 4th - 6th choice ☐₃ 7th - 10th choice ☐₄ 11th choice or lower

C. Major and Learning

15. To what extent is your major related to your high school/technical school program? (five-point scale; 1: not related; 5: highly related).....☐₁ ☐₂ ☐₃ ☐₄ ☐₅



16. In which domain is your major?

- | | | |
|--|--|---|
| <input type="checkbox"/> 1 Information Technology | <input type="checkbox"/> 2 Engineering | <input type="checkbox"/> 3 Mathematics, Physics and Chemistry |
| <input type="checkbox"/> 4 Medicine and Health | <input type="checkbox"/> 5 Life Sciences | <input type="checkbox"/> 6 Biological Resources |
| <input type="checkbox"/> 7 Earth and Environment | <input type="checkbox"/> 8 Architecture and Design | <input type="checkbox"/> 9 Art |
| <input type="checkbox"/> 10 Sociology and Psychology | <input type="checkbox"/> 11 Mass Communication | <input type="checkbox"/> 12 Foreign Language |
| <input type="checkbox"/> 13 Literature, History and Philosophy | <input type="checkbox"/> 14 Education | <input type="checkbox"/> 17 Finance and Economics |
| <input type="checkbox"/> 15 Law and Politics | <input type="checkbox"/> 16 Management | |
| <input type="checkbox"/> 18 Recreation and Sports | <input type="checkbox"/> 19 Other | |

17. Your current school system:

- | | |
|--|--|
| <input type="checkbox"/> 1 four-year college (daytime program) | <input type="checkbox"/> 2 four-year college (evening program) |
| <input type="checkbox"/> 3 two-year college (daytime program) | <input type="checkbox"/> 4 two-year college (evening program) |
| <input type="checkbox"/> 5 two-year technical school (daytime program) | <input type="checkbox"/> 6 two-year technical school (evening program) |
| <input type="checkbox"/> 7 other _____ | |

18. Were the following activities held for freshmen? (multiple choices)

- | | |
|---|---|
| <input type="checkbox"/> 1 orientation held by school | <input type="checkbox"/> 2 orientation held by institute/department |
| <input type="checkbox"/> 3 gatherings with seniors | <input type="checkbox"/> 4 welcome activities |
| <input type="checkbox"/> 5 other _____ | <input type="checkbox"/> 6 none |

19. How well do you know your current institute/department? (five-point scale; 1: low; 5: high)

- | | | | | | |
|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) learning scope and objectives | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) core competencies upon graduation | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) academic curriculum (required and selective courses) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (4) connection between courses and employability | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (5) abilities which each course intends to build | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (6) graduation requirements | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

20. What do you think of your institute/department to date? (five-point scale; 1: low; 5: high)

- | | | | | | |
|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) academic challenge | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) teacher's professionalism | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) teaching quality | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (4) overall satisfaction | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

D. School Resources

21. What is your expectation for the services offered by your school? (five-point scale; 1: low; 5: high)

- | | | | | | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) expectation for efficient administrative service and flexible solutions | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) expectation for convenient course selection system | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) expectation for user friendly website | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (4) expectation for plentiful academic resources (books, journals or electronic resources) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (5) expectation for decent facilities in the library | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (6) expectation for job-relevant internships | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (7) expectation for sound guidance for daily life and career counseling | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (8) expectation for decent support for obtaining certificates and its financial aids | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (9) expectation for decent support for participating in competitions and its financial aids | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |



- | | | | | | | |
|------|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (10) | expectation for plentiful international interchange opportunities (e.g., student exchange, joint degree programs) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (11) | expectation for sufficient opportunities for multiple learning (e.g., minor, double major) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (12) | expectation for international learning sources (e.g., foreign language self-learning center, scenario classrooms, lecture in English) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (13) | expectation for flexible and appropriate curriculum | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (14) | expectation for decent assistance for course selection | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (15) | expectation for comprehensive liberal learning courses | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (16) | expectation for e-learning and information technology support | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (17) | expectation for practical teaching equipment | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (18) | expectation for comfortable classrooms | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (19) | expectation for multiple student clubs | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (20) | expectation for decent dormitory and accommodation | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (21) | expectation for good school cafeteria and dining arrangements | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (22) | expectation for good amenities on campus | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (23) | expectation for clean campus and environment | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (24) | expectation for convenient transportation | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (25) | expectation for useful information on housing | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (26) | expectation for useful information on part-time jobs or scholarship | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

22. To date, how satisfied are you with the services offered by your school? (five-point scale; 1: very dissatisfied; 5: very satisfied)

- | | | | | | | | | |
|------|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------|
| (1) | satisfaction with efficient administrative service and flexible solutions | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (2) | satisfaction with convenient course selection system | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (3) | satisfaction with user friendly website | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (4) | satisfaction with plentiful academic resources (books, journals or electronic resources) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (5) | satisfaction with decent facilities in the library | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (6) | satisfaction with job-relevant internships | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (7) | satisfaction with sound guidance for daily life and career counseling | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (8) | satisfaction with decent support for obtaining certificates and its financial aids | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (9) | satisfaction with decent support for participating in competitions and its financial aids | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (10) | satisfaction with plentiful international interchange opportunities (e.g., student exchange, joint degree programs) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |



- | | | | | | | | | |
|------|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------|
| (11) | satisfaction with sufficient opportunities for multiple learning (e.g., minor, double major) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (12) | satisfaction with international learning sources (e.g., foreign language self-learning center, scenario classrooms, lecture in English) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (13) | satisfaction with flexible and appropriate curriculum | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (14) | satisfaction with decent assistance for course selection | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (15) | satisfaction with comprehensive liberal learning courses | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (16) | satisfaction with e-learning and information technology support | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (17) | satisfaction with practical teaching equipment | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (18) | satisfaction with comfortable classrooms | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (19) | satisfaction with multiple student clubs | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (20) | satisfaction with decent dormitory and accommodation | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (21) | satisfaction with good school cafeteria and dining arrangements | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (22) | satisfaction with good amenities on campus | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (23) | satisfaction with clean campus and environment | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (24) | satisfaction with convenient transportation | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (25) | satisfaction with useful information on housing | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |
| (26) | satisfaction with useful information on part-time jobs or scholarship | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | unknown |

E. Learning Experience

23. To what extent can the following descriptions represent your feeling towards curriculum arrangement? (five-point scale; 1: strongly disagree; 5: strongly agree)

- | | | | | | | |
|-----|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) | The syllabus is always clearly posted on the website before course selection. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) | I can obtain sufficient professional knowledge and skills through the institution's courses before graduation. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) | I can take the professional programs that I want from my institution. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

24. To what extent can the following descriptions represent your proficiency in foreign language? (five-point scale; 1: strongly disagree; 5: strongly agree)

- | | | | | | | |
|-----|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) | I am capable of reading and understanding English text books. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) | My institution's graduation threshold for foreign languages can encourage me in studying harder. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) | I've passed more than one (including one) foreign language proficiency tests. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (4) | I believe that I can use foreign language fluently and effectively in communicating with others after graduation. | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |



25. To date, how often did the following situation happen to you? (five-point scale; 1: never; 5: frequently)

- | | | | | | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) ask classmates or seniors to help with class questions | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) help classmates with class questions | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) prepare for exams by discussing or practicing with classmates | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) work with other students on course projects or assignments | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (5) discuss course topics and ideas with teachers | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (6) prepare for class and summarize questions in advance | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (7) listen to teachers attentively and take notes | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (8) review notes after class and summarize lectures | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (9) collect information on courses without being asked | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (10) attend class regularly and punctually | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (11) meet the class requirements (assignments or reports) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

26. How much time per day do you spend in doing the following activities? (five-point scale; 1: no time being spent; 5: very much)

- | | | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) preparing for class (previewing or information collection) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) studying courses | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) preparing for certification exams or competitions | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) doing assignments or reports | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (5) extracurricular activities (student clubs or varsity) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (6) community service or volunteering | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (7) leisure activities (sports, parties, outings or reading) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (8) using the Internet or smartphone (not for learning purposes) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (9) part-time job | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (10) spending time with family | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (11) spending time with girlfriend/boyfriend | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

27. To what extent can the following descriptions represent your feeling/attitude towards learning? (five-point scale; 1: not true; 5: true)

- | | | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) think it interesting to learn most of the classes | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) find additional things to learn beside courses in school | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) learn things yourself via multiple ways | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) prepare for class (coursework or paper) | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (5) concentrate on studying and ignore distractions | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (6) ask questions in class | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (7) engage in course discussions and express opinions | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (8) solve problems at your best when facing challenges | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (9) stay positive and motivated | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

28. To date, how well are you doing in the following activities? (five-point scale; 1: very poor; 5: very good)

- | | | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) keep up with class in general | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) concentrate on studying | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) make good use of time to learn | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) learn class materials effectively | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (5) feel satisfied with your academic performance | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (6) turn your effort to academic performance proportionally | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (7) know how to ask for help while encountering difficulty in learning | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |



- | | | | | | |
|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (8) set priorities and schedule appropriately | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (9) collaborate well with others on coursework | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (10) good at writing reports | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (11) deliver oral presentation readily | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (12) get to points from lecturers | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

29. To what extent can the following ways of giving a lesson help your learning? (five-point scale; 1: unhelpful; 5: very helpful)

- | | | | | | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1) lecture and explanation from teachers | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (2) assigned readings (textbooks or handouts) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (3) videos or multimedia used for teaching | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (4) case study | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (5) interactive activities | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (6) teamwork (discussion, coursework or presentation) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (7) experiment and exercise with the aid of teachers | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (8) course project (topics selected by students) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (9) keynote speech or demonstration | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (10) field trip or tour | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (11) co-teaching or team-teaching | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |
| (12) review and summary of key points by teachers after students watch teaching video | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 |

F. Self-Evaluation

30. To date, which of the following in college has ever troubled you? (multiple choices)

- | | | |
|---|---|--|
| <input type="checkbox"/> 1 preparing for class | <input type="checkbox"/> 2 getting learning support and resources | <input type="checkbox"/> 3 time management |
| <input type="checkbox"/> 4 emotional management | <input type="checkbox"/> 5 health management | <input type="checkbox"/> 6 Internet/online games addiction |
| <input type="checkbox"/> 7 interacting with family | <input type="checkbox"/> 8 financial pressure | <input type="checkbox"/> 9 interacting with teachers |
| <input type="checkbox"/> 10 participating in school clubs | <input type="checkbox"/> 11 interacting with classmates | <input type="checkbox"/> 12 future direction |
| <input type="checkbox"/> 13 socializing/interacting with the opposite sex | <input type="checkbox"/> 14 pressure from academic competition | |
| <input type="checkbox"/> 15 other _____ | | |

31. What are you planning to do after finishing current degree?

- | | | |
|--|--|------------------------------------|
| <input type="checkbox"/> 1 continuing your education in Taiwan | <input type="checkbox"/> 2 studying abroad | <input type="checkbox"/> 3 working |
| <input type="checkbox"/> 4 military service | <input type="checkbox"/> 5 under planning | |

32. What are your learning focuses during school years? (multiple choices)

- | | |
|--|---|
| <input type="checkbox"/> 1 professional skills at work | <input type="checkbox"/> 2 leadership, management and planning |
| <input type="checkbox"/> 3 software used for word processing | <input type="checkbox"/> 4 information technology application |
| <input type="checkbox"/> 5 foreign language(s) | <input type="checkbox"/> 6 transferring internationally |
| <input type="checkbox"/> 7 written communication | <input type="checkbox"/> 8 reading comprehension |
| <input type="checkbox"/> 9 clear and organized presentation | <input type="checkbox"/> 10 interpersonal communication |
| <input type="checkbox"/> 11 teamwork | <input type="checkbox"/> 12 innovative and creative thinking |
| <input type="checkbox"/> 13 entrepreneurship | <input type="checkbox"/> 14 administrative coordination |
| <input type="checkbox"/> 15 problem detecting and solving | <input type="checkbox"/> 16 project implementation |
| <input type="checkbox"/> 17 numerical and logical reasoning | <input type="checkbox"/> 18 analysis and critical thinking |
| <input type="checkbox"/> 19 interdisciplinary integration | <input type="checkbox"/> 20 information collection and processing |
| <input type="checkbox"/> 21 emotional management | <input type="checkbox"/> 22 time management |
| <input type="checkbox"/> 23 other _____ | |



33. To what extent can the following descriptions represent your status? (five-point scale; 1: not at all; 5: to a great extent)

- | | | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) considering transferring to other school | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) considering changing major | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) considering taking the entrance exam again | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) considering dropping out of school | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (5) clearly understand the purpose of getting into college | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (6) positive results can be expected during school time | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (7) learn things happily | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (8) clearly understand learning goal | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

G. Overall Satisfaction

34. To date, how satisfied are you with your school? (five-point scale; 1: strongly disagree; 5: strongly agree)

- | | | | | | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (1) I am willing to recommend others to study at my department/institute. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (2) I am willing to recommend others to study at my school. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (3) As a whole, I think the climate for learning in my institution is good. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |
| (4) As a whole, I am satisfied with my school. | <input type="checkbox"/> ₁ | <input type="checkbox"/> ₂ | <input type="checkbox"/> ₃ | <input type="checkbox"/> ₄ | <input type="checkbox"/> ₅ |

35. Other suggestions: To make improvement, please feel free to offer your suggestions on your school

Thank you for completing the questionnaire.



社團法人台灣評鑑協會

Taiwan Assessment and Evaluation Association

前瞻評鑑



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