Compilation of Completed Course Evaluations for Doctoral Courses – Annual Report 2023

Unit of Teaching and Learning (UoL), 05 March 2024

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Karolinska Institutet

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Summary

The Course and Programme Committee (KPK) at Karolinska Institutet (KI) tasked the Unit of Teaching and Learning (TL)[1] to administer, collect and compile the results for all doctoral courses for the year 2023 (Spring semester VT23 & Autumn semester HT23).

For 2023, KPK provided UoL with lists of 277 courses (those advertised via the course catalogue[2] and those provided via the Research Schools). Of these, 249 were included in the 2023 analysis presented in this report (208 were Catalogue courses[3] and 41 were Research Schools courses). Of the 28 courses that were not included in the analysis all were Catalogue courses. The reason was either cancelled courses (nine cancelled courses for spring term 2023, VT23 and nine for autumn term 2023, HT23), courses with few participants, courses with few answers[4] or participant list missing.

The mean response rate for all doctoral courses evaluated in 2023 was 71 percent (69 percent in 2022), with Freestanding courses having a mean response rate of 69 percent, Programme courses 73 percent and courses within Research Schools having a response rate of 67 percent. The course evaluation survey used in 2023 consisted of 18 questions, with questions 1–15 formulated as statements and 16–18 formulated as questions.

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[1] Enheten för Undervisning och Lärande (UoL) in Swedish
[2] Including courses given within the doctoral programmes and freestanding courses.
[3] Freestanding and Programme courses are both advertised via Course Catalogue
[4] There is a block at KI Survey for surveys with fewer than five participants to ensure anonymity.

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Introduction

The Unit of Teaching and Learning (TL) has been assigned by the Course and Programme Committee (KPK) at KI to handle, collect and compile results for all doctoral courses.

The report includes:

- The aim of the course evaluations at doctoral level
- Combined results for course evaluations of doctoral courses (2023)
- Results for course evaluations of Freestanding courses
- Results for course evaluations of Programme courses, also divided by programme (2023)
- Results for course evaluation of Research School courses, also divided by school (2023)
- Comparisons for the years 2021, 2022 and 2023 for all doctoral courses combined, but also divided in Freestanding courses, Programme courses and Research Schools.

Background and aim

The course evaluation process for doctoral education

All doctoral courses at KI are evaluated electronically by the evaluation team at the Unit of Teaching and Learning (TL), at the request of the Course and Programme Committee (KPK).

The course evaluations are sent out electronically using KI:s platform, KI Survey. The evaluations include an established set of questions presented below. The evaluation team at TL has been given the assignment to carry out the course evaluations (sending out the questionnaires and compiling the answers). The assignment requires cooperation with course providers that send their current participant lists to the evaluation team.

The evaluation team is tasked with providing consultations on potential additional questions, preparing evaluation reports for course providers and the Course and Programme Committee (KPK). Additionally, the team is responsible for creating an

annual summary report of course evaluations to track the courses' development over time.

When contacting the evaluation team[5] regarding a course, the course providers should include the course number and semester in the subject line (e.g. "1234 VT21)", where VT stands for spring semester and HT for autumn semester.

Course-specific questions

The survey's 18 questions are designed to measure aspects of student-perceived quality. There is the possibility for the course providers to add their own course-specific questions to the survey. We recommend a maximum of seven additional questions so that the survey does not exceed a total of 25.[6]

There is one general template in KI Survey used for all evaluations for doctoral courses at KI. The template has two versions, either English (default) or Swedish. Each time a course evaluation is created, we choose the language of the evaluation to match the language in which the course is given. The respondents have the possibility to change the language of the questionnaire if they wish.

Documentation needed for sending out course evaluations

A participant list is to be sent to the evaluation team no later than the day after course start, as follows:

- A list in Excel with the email addresses to the course participants. Each address should be placed in a separate cell.
- The file should be named with course number, semester (VT for spring and HT for autumn) and, if applicable, the numbering of course occasion (if the course is given more than once during a semester). *Example*: 1234_VT21_2 (if it is the second course occasion of the course with number 1234, spring semester 2021).

The course evaluation is sent out the day after the course end-date, unless otherwise agreed. It can be beneficial if the participants have received feedback on the examination assignments before they answer the course evaluation, which is

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[5] evaluation@ki.se
[6] More information about the process can be found here: https://staff.ki.se/course-evaluation-and-analysis-of-doctoral-courses

why a slightly later date for dispatch can be notified to the evaluation team when you anticipate a delay, for example when using home assignments. However, a course evaluation should come as close to the end of the course as possible.

Participants have generally a two-week window to respond and receive two reminders within this timeframe. Once the survey closes, the evaluation team generates two reports and sends them as links to the course director.

The course evaluation reports
The results of the course evaluation are presented in a report in two versions, a short and a full version. In the short version the open questions have been removed. This version can be presented to the course participants and the link can be added to the course occasion at the next announcement of the course in the course catalogue.

The full version report includes all questions, even the open and the course specific ones. This is to be used as a basis for the course analysis (reflection) and as part of the report to the relevant doctoral programme or research school, or to the Course and Programme Committee (KPK). To ensure anonymity, reports cannot be generated when the survey had less than five answers. If the course provider wishes to make a more in-depth analysis of the result from their course evaluation, they can request that the evaluation team also sends the result as an Excel file.

The reports are generated as soon as the reply period for the specific course evaluation has ended and can be automatically sent from KI Survey to the course providers (course director and any contact person in the course catalogue). However, this hasn't worked as well as we thought it would. This means that we will not be continuing with this procedure.

Aim of course evaluations

The main purpose of the course evaluation questionnaire and the 18 general questions is to measure aspects of student-perceived quality and collect data in order to improve the quality of doctoral education at KI. The 18 general questions are the standardized part of the course evaluation questionnaire for all doctoral courses at KI.

Current list of Doctoral programmes and Research schools

Doctoral programmes
There are a total of 11 doctoral programmes at Karolinska Institutet. The list of these is presented below. Some courses are offered in collaboration of two or more programmes. These are presented as a separate category. Freestanding courses are given outside of the programmes and for this reason, they are also presented as a separate category.

List of all doctoral programmes at KI:

- Allergy, Immunology, and Inflammation (Aii)
- Biology of Infection and Global Health (BIGH)
- Cell Biology and Genetics (CBG)
- Cardiovascular Research (CVR)
- Development and Regeneration (DevReg)
- Epidemiology
- Health Care Science (PUF-V)
- Metabolism and Endocrinology (MetEndo)
- Neuroscience
- Public Health Science (PHSP)
- Tumor Biology and Oncology (FoTO)

Research schools

Karolinska Institutet (KI) takes an active role in ensuring the quality of courses within numerous research schools designed for doctoral students at local, national, and international levels. The current report focuses on nine specific research schools, outlined in the list below. It's worth noting that collaborative efforts between two or more schools contribute to the delivery of certain courses, enhancing the overall educational experience for doctoral candidates.

List of Research Schools with courses included in this report:

- Research school in Clinical Therapy Research (KI–Region Stockholm)
- Research School for clinicians in Epidemiology (KI-Region Stockholm)

- Research School in Family Medicine and Primary Care (KI-Region Stockholm)
- Research School for clinicians in Molecular Medicine (KI-Region Stockholm)
- National Research school in Clinical and Translational Cancer Research (NatiOn)
- Research School for clinicians in Psychiatry (KI-Region Stockholm)
- School of Health Innovation
- Swedish Interdisciplinary Graduate School in register-based research (SINGS)

The standard template of the course evaluation questions

Questions in English
1. The content of the course was clearly presented in the syllabus.
2. I was highly motivated to learn the content of the course.
3. The intended learning outcomes of the course were clearly explained.
4. The course design facilitated achievement of the intended learning outcomes.
5. The teaching and learning activities facilitated achievement of the intended learning outcomes.
6. During the course, I have received sufficient feedback from the teachers and/or the other course participants, when needed.[7]
7. I have actively engaged in the course.
8. I had sufficient prior knowledge to fully participate in the course.
9. During the course, the teachers have been open to students' ideas and opinions about the course.
10. During the course, I have developed valuable expertise/skills.
11. During the course, I have developed my ability to critically analyse and evaluate research findings. *(If the question is not relevant to this course, select the response option "Not applicable")*
12. The examination adequately assessed the achievement of the intended learning outcomes.
13. I have achieved the intended learning outcomes of the course.
14. From my perspective the workload was reasonable in relation to the number of credits.
15. This course has fulfilled my expectations of a high-quality course.

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[7] The question was formulated "I have received relevant feedback during the course" and changed to the current question starting VT21

16. Were there any parts of the course that were excellent? If so, please specify which parts and in what way.
17. Do you have any recommendations as to how the course could be improved? If so, please specify which parts and how.
18. Would you recommend this course to others enrolled in doctoral education? *(Answer only if you are a doctoral student, otherwise select the response option "Not applicable")*

The response options of questions *1–till 15 were: to a very small extent, to a small extent, to some extent, to a large extent, to a very large extent. Questions 16 and 17 are open questions.* Question 18 is a yes/no question. Questions 11 and 18 have the "not relevant" option.

Questions in Swedish
1. Kursens innehåll framgick tydligt i kursplanen.
2. Jag var mycket motiverad att tillgodogöra mig innehållet i kursen.
3. Kursens lärandemål förklarades tydligt.
4. Kursens design (upplägg och arbetsformer) var relevanta i förhållande till kursens lärandemål.
5. Undervisningen underlättade att uppnå kursens lärandemål.
6. Jag har, under kursen, fått tillräcklig återkoppling från lärarna och/eller andra kursdeltagare.
7. Jag har deltagit aktivt i kursen.
8. Mina förkunskaper var tillräckliga för att tillgodogöra mig kursen.
9. Under kursen har lärarna varit öppna för studenternas idéer och åsikter om kursen.
10. Under kursen har jag utvecklat värdefulla kunskaper och färdigheter.
11. Under kursen har jag utvecklat min förmåga att kritiskt analysera och värdera forskningsresultat. (ej relevant)
12. Examinationen var tydligt kopplad till uppfyllelse av kursens lärandemål.
13. Jag har uppnått alla kursens lärandemål.
14. Kursen var tillräckligt utmanande för mig.
15. Kursen har uppfyllt mina förväntningar om vad som är en kurs med hög kvalitet.
16. Fanns det några delar av kursen som var utmärkta? Om så är fallet ange vilka delar och på vilket sätt.

17. Har du några förslag på hur kursen skulle kunna förbättras? Om ja, specificera gärna vad och hur.

18. Skulle du rekommendera kursen till andra doktorander? *(Svara enbart om du är doktorand, välj annars svarsalternativet "Inte relevant")*

Svarsalternativen på frågorna *1–till 15 var*: *i mycket liten grad, i liten grad, delvis, i stor grad, i mycket stor grad*. Fråga 11 hade också alternativet *ej relevant*. Frågorna 16 och 17 var öppna frågor. Fråga 18 är en ja/nej fråga.

The standard introductory text

The course evaluation survey has a standard introduction that serves the following functions:

- Informs which course the survey refers to.
- Explains the purpose of the survey, which is to develop the course and KI's doctoral education.
- Presents the intended learning outcomes of the course.

The standardized introduction to the surveys is the following:

Dear student,

This course evaluation refers to the doctoral course {Name of the survey} you have participated in recently. Your answers are anonymous and will be used to develop and improve the course. Some of the questions relate to the intended learning outcomes of the course which you will find below. Please read them carefully before you answer the survey.

Upon completion of the course, the doctoral student should be able to:

(List with Intended Learning Outcomes)

Thank you for your participation!

(Course leader)

Improvements and recommendations

UoL is continuously trying to improve the routines for the course evaluations for doctoral courses. During 2023, we have activated certain automation settings that enable course leaders and/or course administrators to receive the link to both versions of the evaluation report (the full version and the short version, without

comments) directly from KI Survey. For this to work properly, we needed to be able to find the course leaders and /or course administrators as users in KI Survey.[8] However, not many of the course leaders and/or course administrators could be found as users at KI Survey. For this reason, we will not be continuing with this feature. Instead, we will activate the setting that sends out automatically the short version of the report to all participants connected to the survey.

The evaluation process for the doctoral courses is continuously improving and we are always looking for ways to make the communication between Programmes and Research Schools with UoL more effective. However, late participant lists are still an issue. We wish that course leaders/administrators of doctoral courses follow the instructions mentioned above and send the participant list to evaluation@ki.se <u>no later than the day after the start of the course</u>. The subject of the email should be structured as follows: <u>Participant list + course number</u>. [9]

Research Schools have several parallel courses, courses with the same participants, courses offered in more than one school, and/or courses that span more than one semester. This can sometimes lead to confusion about which participant lists should be used for which courses. It is important that Research Schools maintain a continuous dialogue with UoL during the semesters in case of any changes.

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[8] It is very easy to become a user at KI Survey. Just log in at the system once and you will automatically register as a user.

[9] For detailed information regarding the course evaluation process https://staff.ki.se/course-evaluation-and-analysis-of-doctoral-courses

Results

The data analysis for 2023 was performed in RStudio 2023.03.1+446.

Response Rates

Below are the results presented in tables and figures for the number of analysed courses and the response rates over the years 2019–2023.

Table 1: Response rate for VT/HT 2023 and previous years

	2021		2022		2023	
	n	Response rate [%]	n	Response rate [%]	n	Response rate [%]
Freestanding courses	86	68.9	87	68.8	94	69.4
Programme courses	105	72.0	116	70.8	114	72.9
Research schools	33	67.4	38	67.4	41	66.9
Total	224	70.2	241	69.8	249	70.6

Table 2: Response rate for VT/HT 2023 and previous years divided by semester

	VT21		HT21		VT22		HT22		VT23		HT23	
	n	%	n	%	n	%	n	%	n	%	n	%
Freestanding courses	45	72	41	65	47	72	40	66	51	70	43	69
Programme courses	43	75	62	70	51	73	65	69	50	73	64	73
Research schools	18	65	15	70	17	71	21	65	22	66	19	68
Total	106	72	118	68	115	72	126	67	123	71	126	71

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Descriptives

The results are divided into the following sections:

- combined results for Freestanding Courses, Programme Courses and Research Schools, presented in tables and figures.
- results for Freestanding Courses.
- results for Programme Courses, also divided into the different programmes.
- results for Research Schools, also divided into the different schools.

The results of the 15 general questions and the combined value of these are presented below. The results are based on data from course evaluation surveys answered during the year 2023.

Table of questions 1–15 for all courses throughout the year, including the following parameters:

- number of responses
- mean (M)
- standard deviation (SD)
- confidence interval (95% CI) (lower and upper)
- median and percentiles (P25 and P75)
- minimum and maximum
- range
- skewness (skew)

Table 3: Results for Freestanding courses, Programme courses and Research Schools combined, 2023.

Question number	n	M	SD	95% CI (LL)	95% CI (UL)	median	P25	P75	min	max	range	skew
1	3 457	4.31	0.73	4.28	4.33	4.00	4.00	5.00	1.00	5.00	4.00	-1.01
2	3 463	4.36	0.79	4.33	4.39	5.00	4.00	5.00	1.00	5.00	4.00	-1.29
3	3 454	4.26	0.79	4.24	4.29	4.00	4.00	5.00	1.00	5.00	4.00	-1.00
4	3 460	4.18	0.87	4.15	4.21	4.00	4.00	5.00	1.00	5.00	4.00	-1.05

Question number	n	M	SD	95% CI (LL)	95% CI (UL)	median	P25	P75	min	max	range	skew
5	3 453	4.17	0.88	4.14	4.20	4.00	4.00	5.00	1.00	5.00	4.00	-1.02
6	3 458	4.10	0.97	4.06	4.13	4.00	4.00	5.00	1.00	5.00	4.00	-0.99
7	3 459	4.32	0.72	4.29	4.34	4.00	4.00	5.00	1.00	5.00	4.00	-0.82
8	3 457	3.94	0.97	3.90	3.97	4.00	3.00	5.00	1.00	5.00	4.00	-0.75
9	3 435	4.34	0.82	4.32	4.37	5.00	4.00	5.00	1.00	5.00	4.00	-1.29
10	3 453	4.13	0.89	4.10	4.16	4.00	4.00	5.00	1.00	5.00	4.00	-0.96
11	2 531	4.10	0.88	4.07	4.14	4.00	4.00	5.00	1.00	5.00	4.00	-0.86
12	3 443	4.17	0.82	4.14	4.20	4.00	4.00	5.00	1.00	5.00	4.00	-0.96
13	3 452	4.14	0.74	4.11	4.16	4.00	4.00	5.00	1.00	5.00	4.00	-0.77
14	3 453	4.05	0.94	4.01	4.08	4.00	4.00	5.00	1.00	5.00	4.00	-1.03
15	3 449	4.15	0.94	4.12	4.18	4.00	4.00	5.00	1.00	5.00	4.00	-1.19

Results – Freestanding courses

Results for Freestanding courses are presented below in tables and figures and include:

- Table of questions 1–15 (as in point 2 above)
- Histogram of mean and confidence interval (questions 1–15)
- Chart per question (1–15) showing the distribution of responses.
- Table of percentiles for the courses in the course catalogue
- Question 18 on overall satisfaction (chart with and without respondents who are not doctoral students).

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Table 4: Descriptive Results – Freestanding courses 2023

Question number	n	M	SD	95% CI (LL)	95% CI (UL)	median	P25	P75	min	max	range	skew
1	1 486	4.31	0.75	4.27	4.35	4.00	4.00	5.00	1.00	5.00	4.00	-1.14
2	1 491	4.22	0.89	4.17	4.26	4.00	4.00	5.00	1.00	5.00	4.00	-1.09
3	1 486	4.27	0.79	4.23	4.31	4.00	4.00	5.00	1.00	5.00	4.00	-1.02
4	1 488	4.15	0.90	4.10	4.20	4.00	4.00	5.00	1.00	5.00	4.00	-1.07
5	1 488	4.14	0.92	4.09	4.18	4.00	4.00	5.00	1.00	5.00	4.00	-1.04
6	1 488	4.07	1.02	4.02	4.12	4.00	4.00	5.00	1.00	5.00	4.00	-1.08
7	1 490	4.27	0.75	4.23	4.31	4.00	4.00	5.00	1.00	5.00	4.00	-0.82
8	1 489	4.01	0.95	3.97	4.06	4.00	3.00	5.00	1.00	5.00	4.00	-0.84
9	1 474	4.29	0.86	4.24	4.33	4.50	4.00	5.00	1.00	5.00	4.00	-1.20
10	1 487	4.09	0.93	4.04	4.13	4.00	4.00	5.00	1.00	5.00	4.00	-0.94
11	938	4.02	0.92	3.96	4.08	4.00	3.00	5.00	1.00	5.00	4.00	-0.84
12	1 483	4.18	0.81	4.14	4.23	4.00	4.00	5.00	1.00	5.00	4.00	-0.95
13	1 487	4.17	0.74	4.14	4.21	4.00	4.00	5.00	1.00	5.00	4.00	-0.90
14	1 488	4.04	0.94	3.99	4.09	4.00	4.00	5.00	1.00	5.00	4.00	-1.04
15	1 483	4.08	1.00	4.03	4.13	4.00	4.00	5.00	1.00	5.00	4.00	-1.15

Figure 1: Plots with means and confidence intervals (CIs) – Freestanding courses
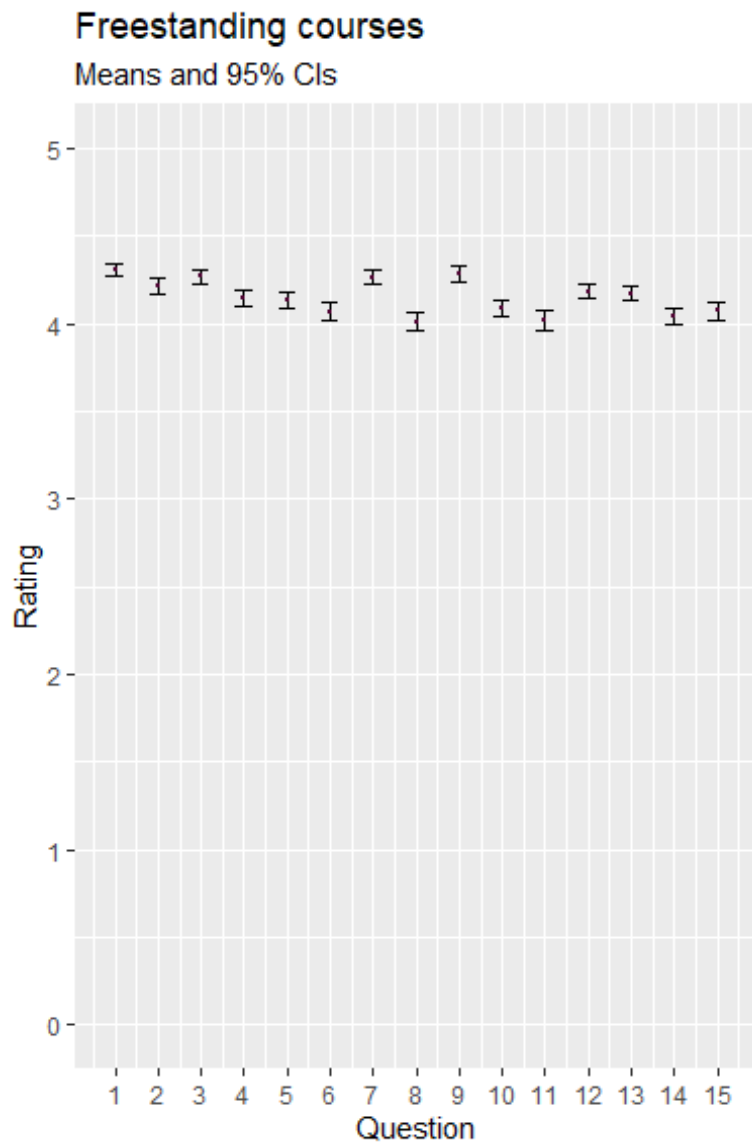
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Freestanding courses
Means and 95% Cls

The figures below show the distribution of responses for each question that had the scale: *to a very small extent, to a small extent, to some extent, to a large extent, to a very large extent*. Question 11 also had the option *not relevant*.

Figure 2: Histograms for questions 1 to 15 – Freestanding Courses

Response distribution for each question

Freestanding courses

1 - To a very small extent, 2 - To a small extent, 3 - To some extent, 4 - To a large extent, 5 - To a very large extent

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In addition to the mean (M), standard deviations (SD), and 95 percent Cis, this year, the results are presented also in percentile tables. The course provider can use the table to compare an individual course result with the aggregated results for Freestanding Courses for each question.

Example: An individual course has received 4.2 on question 1, regarding the course content. The course is in the 40th percentile. This means that the course has received a higher result on the question than 40% of the Course Catalogue courses.

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Table 5: Percentiles for Freestanding Courses 2023

question	n	M	SD	P10	P20	P30	P40	P50	P60	P70	P80	P90
Q01	94	4,3	0,7	3,6	3,9	4,0	4,2	4,4	4,6	4,8	4,9	5,0
Q02	94	4,3	0,8	3,4	3,7	4,0	4,2	4,5	4,7	4,8	4,9	5,0
Q03	94	4,3	0,7	3,5	3,8	4,0	4,2	4,4	4,6	4,7	4,9	5,0
Q04	94	4,2	0,8	3,3	3,6	3,8	4,1	4,3	4,5	4,7	4,8	4,9
Q05	94	4,2	0,8	3,4	3,6	3,8	4,0	4,3	4,5	4,7	4,8	4,9
Q06	94	4,2	0,8	3,2	3,6	3,8	4,1	4,3	4,5	4,7	4,8	4,9
Q07	94	4,3	0,7	3,6	3,8	4,0	4,2	4,4	4,5	4,7	4,9	5,0
Q08	94	4,0	0,9	3,0	3,3	3,6	3,8	4,1	4,3	4,6	4,8	4,9
Q09	94	4,3	0,7	3,5	3,8	4,1	4,3	4,5	4,7	4,8	4,9	5,0
Q10	94	4,1	0,8	3,2	3,6	3,8	4,1	4,3	4,5	4,7	4,8	4,9
Q11	94	4,0	0,9	3,2	3,5	3,7	3,9	4,1	4,3	4,6	4,7	4,8
Q12	94	4,2	0,7	3,4	3,7	4,0	4,1	4,3	4,5	4,6	4,8	4,9
Q13	94	4,2	0,7	3,5	3,8	3,9	4,0	4,1	4,3	4,5	4,8	4,9
Q14	94	4,0	0,8	3,1	3,5	3,8	4,0	4,1	4,3	4,6	4,8	4,9
Q15	94	4,1	0,8	3,2	3,6	3,8	4,1	4,3	4,5	4,7	4,8	4,9
Total	94	4,2	0,8	3,3	3,6	3,9	4,1	4,3	4,5	4,7	4,8	4,9

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Question 18 – Freestanding Courses

Question 18: Would you recommend this course to others enrolled in doctoral education? The question is a yes/no question with a "not relevant" option for students that are not doctoral students. Therefore, the results are presented in two separate diagrams where the "not relevant" option is included in the first one and excluded in the second one.

Figure 3: Response distribution for Question 18 – Freestanding courses
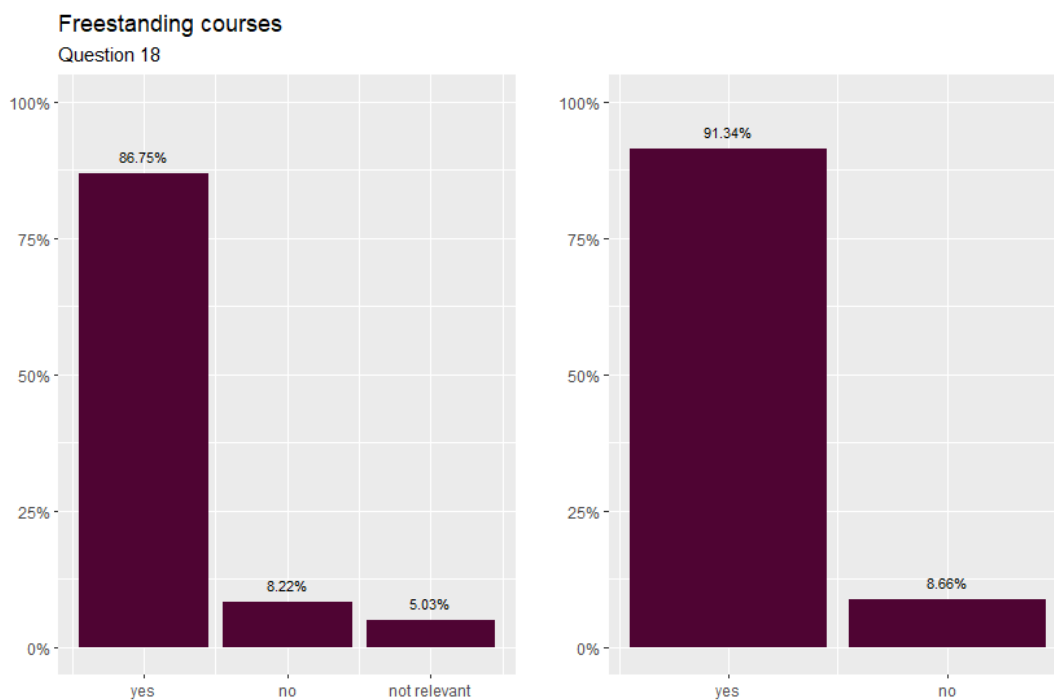
Figure 4: Means (M) and Standard Deviations (SD) – Freestanding courses

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Means and SD for every question for freestanding courses
Course catalogue
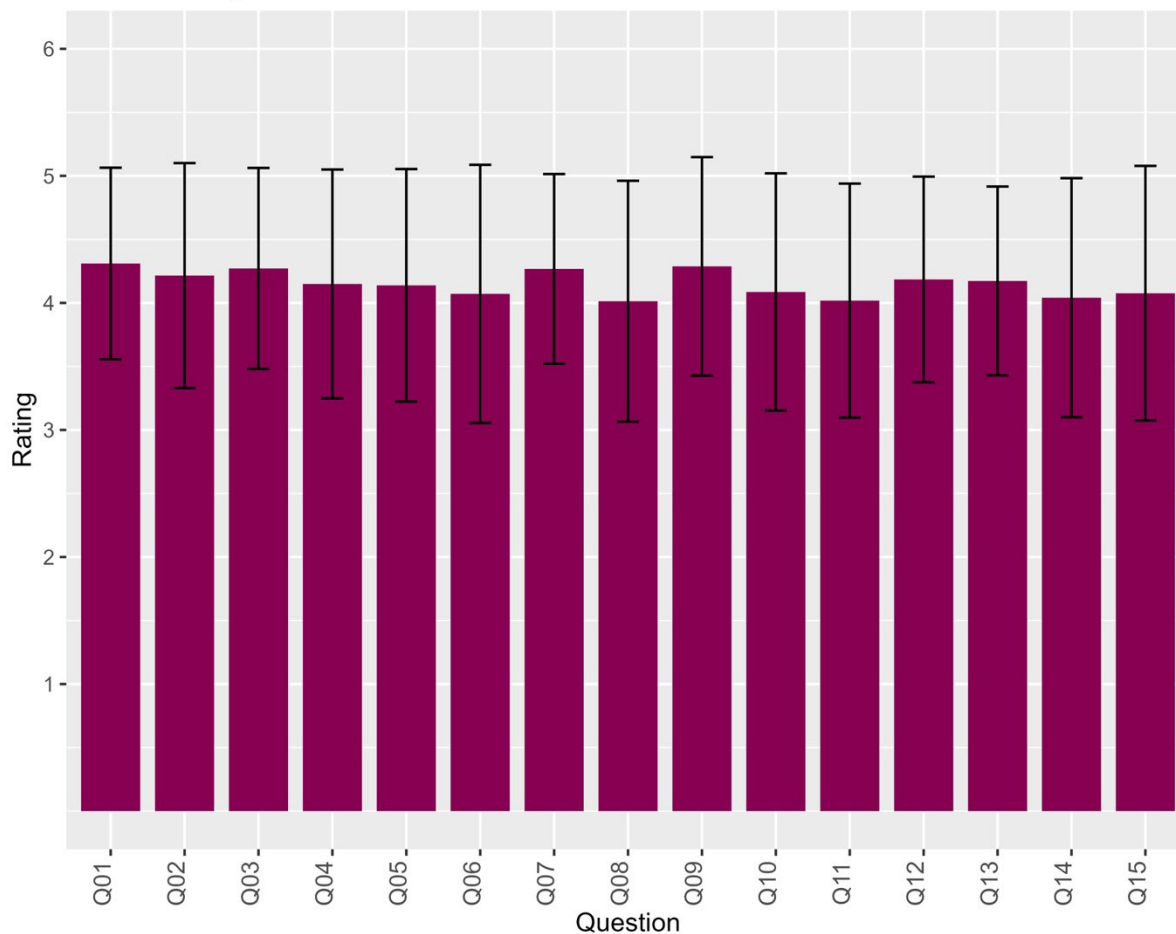
Results – Programme courses

Results for Programme courses are presented below in tables and figures and include:

- Table of questions 1–15 (as in point 2 above)
- Histogram of mean and confidence interval (questions 1–15)
- Chart per question (1–15) showing the distribution of responses.
- Table of percentiles for the courses in the course catalogue
- Question 18 on overall satisfaction (chart with and without respondents who are not doctoral students).

Table 6: Descriptive Results – Programme courses 2023

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Question number	n	M	SD	95% CI (LL)	95% CI (UL)	median	P25	P75	min	max	range	skew
1	1 328	4.34	0.71	4.30	4.38	4.00	4.00	5.00	1.00	5.00	4.00	-1.00
2	1 328	4.51	0.69	4.47	4.55	5.00	4.00	5.00	1.00	5.00	4.00	-1.47
3	1 323	4.32	0.77	4.28	4.37	4.00	4.00	5.00	1.00	5.00	4.00	-1.13
4	1 329	4.26	0.82	4.22	4.31	4.00	4.00	5.00	1.00	5.00	4.00	-1.10
5	1 326	4.28	0.82	4.24	4.32	4.00	4.00	5.00	1.00	5.00	4.00	-1.08
6	1 328	4.19	0.91	4.14	4.23	4.00	4.00	5.00	1.00	5.00	4.00	-0.98
7	1 327	4.33	0.73	4.29	4.37	4.00	4.00	5.00	1.00	5.00	4.00	-0.80
8	1 325	3.81	1.04	3.75	3.86	4.00	3.00	5.00	1.00	5.00	4.00	-0.60
9	1 318	4.49	0.72	4.45	4.53	5.00	4.00	5.00	1.00	5.00	4.00	-1.48
10	1 321	4.19	0.85	4.15	4.24	4.00	4.00	5.00	1.00	5.00	4.00	-1.04
11	1 090	4.15	0.85	4.10	4.20	4.00	4.00	5.00	1.00	5.00	4.00	-0.87
12	1 320	4.18	0.82	4.14	4.22	4.00	4.00	5.00	1.00	5.00	4.00	-0.90
13	1 325	4.15	0.76	4.11	4.19	4.00	4.00	5.00	1.00	5.00	4.00	-0.72
14	1 323	4.08	0.92	4.03	4.13	4.00	4.00	5.00	1.00	5.00	4.00	-0.96
15	1 326	4.29	0.84	4.25	4.34	4.00	4.00	5.00	1.00	5.00	4.00	-1.29

Figure 5: Plots with means and confidence intervals (CIs) – Programme courses
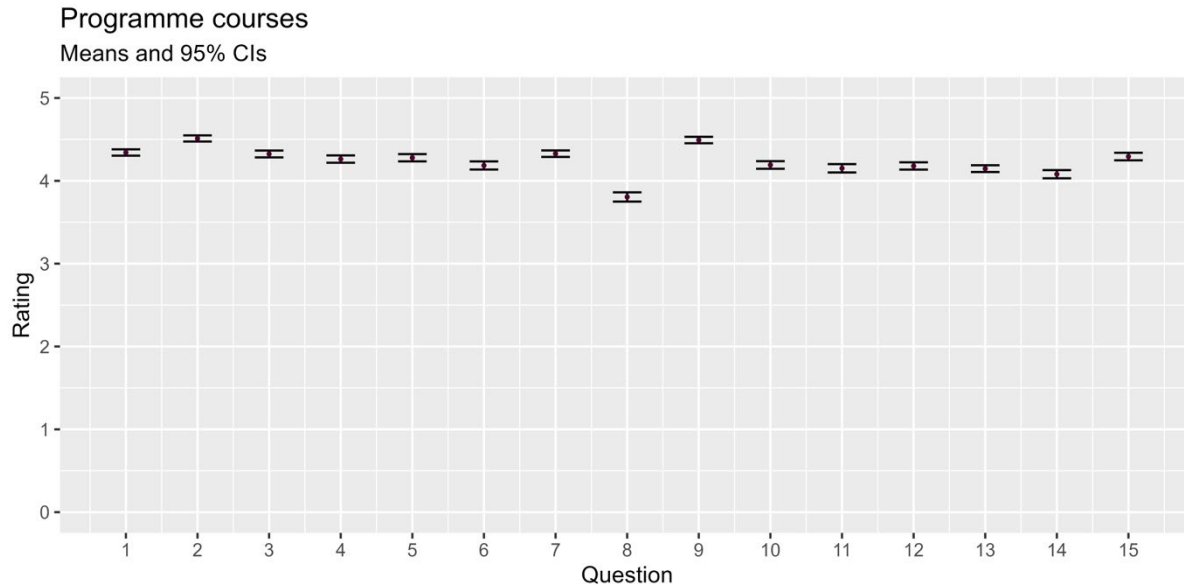
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The figures below show the distribution of responses for each question that had the scale: *to a very small extent, to a small extent, to some extent, to a large extent, to a very large extent.* Question 11 also had the option *not relevant.*

Figure 6: Histograms for questions 1 to 15 – Programme Courses

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Response distribution for each question

Programme courses
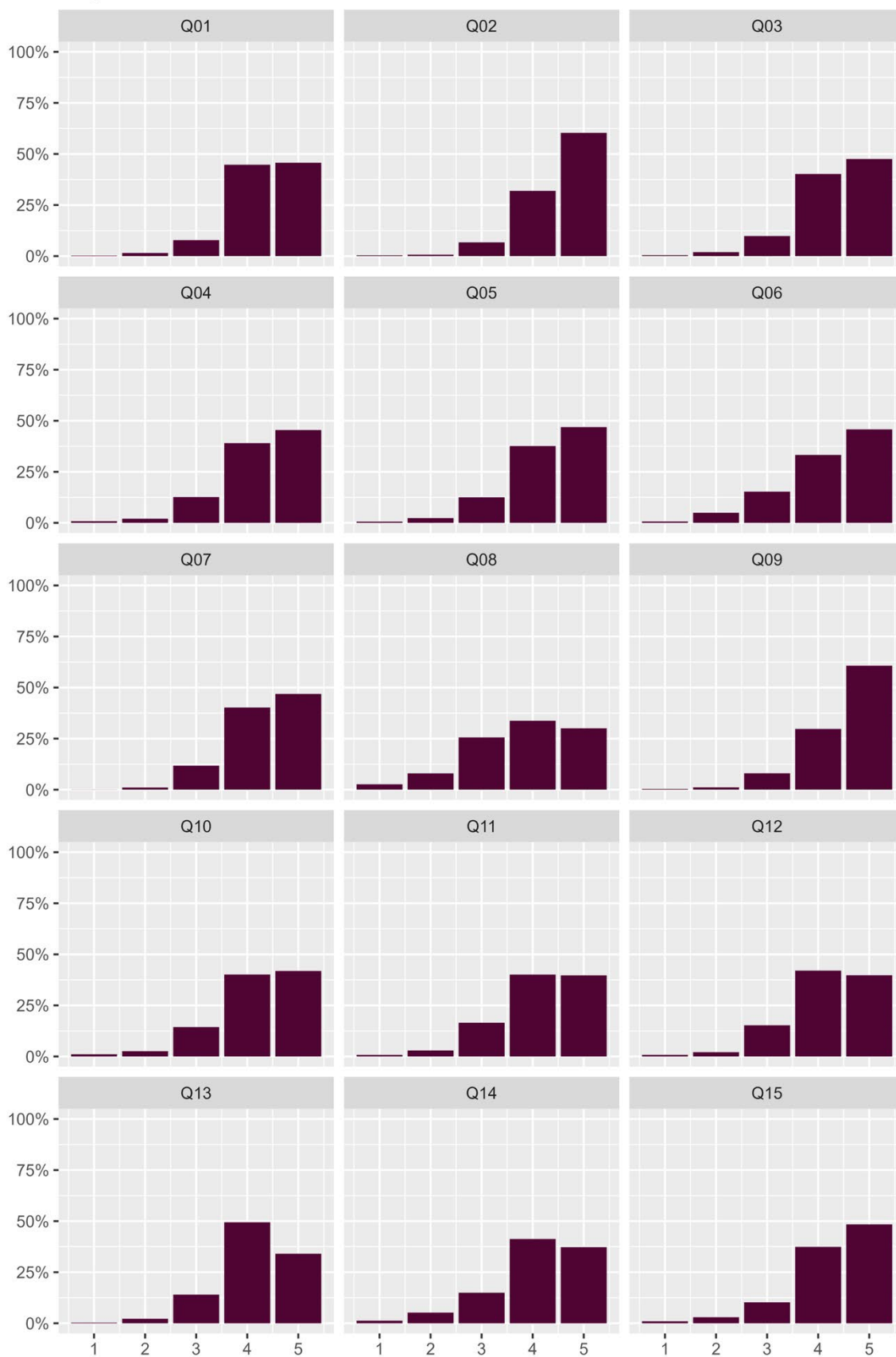
1 - To a very small extent, 2 - To a small extent, 3 - To some extent, 4 - To a large extent, 5 - To a very large extent

In addition to the mean (M), standard deviations (SD), and 95 percent Cis, this year, the results are presented also in percentile tables. The course provider can use the table to compare an individual course result with the aggregated results for Programme Courses for each question.

Example: An individual course has received 4.2 on question 1, regarding the course content. The course is in the 40th percentile. This means that the course has received a higher result on the question than 40% of the Programme courses.

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Table 7: Percentiles for Programme Courses

question	n	M	SD	P10	P20	P30	P40	P50	P60	P70	P80	P90
Q01	114	4,4	0,6	3,7	4,0	4,1	4,2	4,4	4,6	4,8	4,9	5,0
Q02	114	4,5	0,6	3,9	4,1	4,3	4,5	4,7	4,9	4,9	5,0	5,0
Q03	114	4,3	0,7	3,6	3,9	4,1	4,3	4,5	4,6	4,8	4,9	4,9
Q04	114	4,3	0,7	3,5	3,8	4,0	4,2	4,4	4,6	4,7	4,8	4,9
Q05	114	4,3	0,7	3,5	3,8	4,0	4,2	4,4	4,6	4,8	4,9	4,9
Q06	114	4,2	0,8	3,3	3,7	3,9	4,1	4,4	4,6	4,7	4,8	4,9
Q07	114	4,3	0,7	3,6	3,9	4,0	4,2	4,5	4,6	4,8	4,9	5,0
Q08	114	3,8	1,0	2,8	3,1	3,4	3,6	3,9	4,1	4,4	4,6	4,9
Q09	114	4,5	0,6	3,8	4,1	4,3	4,5	4,7	4,8	4,9	5,0	5,0
Q10	114	4,2	0,8	3,4	3,7	3,9	4,1	4,3	4,5	4,7	4,8	4,9
Q11	114	4,2	0,8	3,4	3,7	3,9	4,1	4,3	4,5	4,7	4,8	4,9
Q12	114	4,2	0,7	3,4	3,7	3,9	4,1	4,3	4,5	4,6	4,8	4,9
Q13	114	4,2	0,7	3,5	3,8	3,9	4,1	4,2	4,3	4,5	4,7	4,9
Q14	114	4,1	0,8	3,2	3,6	3,8	4,0	4,2	4,4	4,6	4,8	4,9
Q15	114	4,3	0,7	3,6	3,9	4,1	4,2	4,5	4,6	4,8	4,9	5,0
Total	114	4,3	0,7	3,5	3,8	4,0	4,2	4,4	4,5	4,7	4,8	4,9

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Question 18 – Programme Courses

Question 18: Would you recommend this course to others enrolled in doctoral education? The question is a yes/no question with a "not relevant" option for students that are not doctoral students. Therefore, the results are presented in two separate diagrams where the "not relevant" option is included in the first one and excluded in the second one.

Figure 7: Response distribution for Question 18 – Programme courses
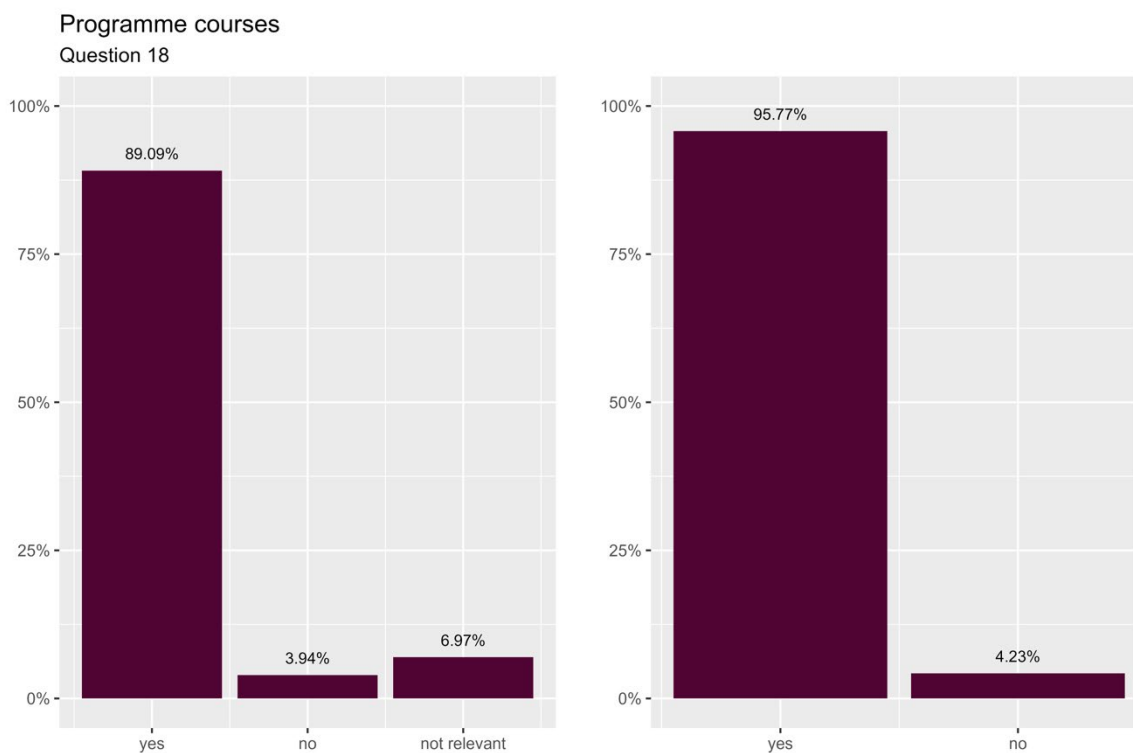
Results – Programme courses divided by programme.

There are a total of 11 doctoral programmes at Karolinska Institutet. The list of these is presented below. Some courses are offered in collaboration of two or more programmes. These are presented as a separate category. Freestanding courses are given outside of the programmes and for this reason, they are also presented as a separate category.

Abbreviations of the doctoral programmes at KI:

- Allergy, immunology and inflammation (Aii)
- Biology of Infection and Global Health (BIGH)
- Cell Biology and Genetics (CBG)
- Cardiovascular Research (CVR)
- Development and Regeneration (DevReg)
- Epidemiology
- Health Care Science (PUF–V)
- Metabolism and Endocrinology (MetEndo)
- Neuroscience
- Public Health Science (PHSP)
- Tumor Biology and Oncology (FoTO)

Table 8: Results for Course Catalogue courses divided into programme 2023.

program	N	Q01	Q02	Q03	Q04	Q05	Q06	Q07	Q08	Q09	Q10	Q11	Q12	Q13	Q14	Q15
Aii	8	4.35 (0.79)	4.52 (0.78)	4.36 (0.8)	4.24 (0.91)	4.28 (0.86)	4.24 (0.92)	4.34 (0.66)	3.84 (1.06)	4.5 (0.72)	4.08 (0.93)	4.03 (0.92)	4.2 (0.85)	4.14 (0.83)	4.1 (0.91)	4.22 (0.95)

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program	N	Q01	Q02	Q03	Q04	Q05	Q06	Q07	Q08	Q09	Q10	Q11	Q12	Q13	Q14	Q15
BIGH	5	4.31 (0.65)	4.45 (0.64)	4.51 (0.61)	4.2 (0.66)	4.25 (0.66)	4.22 (0.81)	4.35 (0.69)	3.61 (1)	4.53 (0.82)	4.3 (0.71)	4.19 (0.79)	4.33 (0.59)	4.2 (0.57)	4.08 (0.72)	4.24 (0.71)
CBG	9	4.36 (0.82)	4.59 (0.62)	4.41 (0.75)	4.28 (0.82)	4.37 (0.79)	4.38 (0.86)	4.47 (0.69)	3.64 (1.14)	4.62 (0.6)	4.22 (0.89)	4.09 (0.94)	4.07 (0.92)	4.12 (0.8)	4.09 (0.92)	4.34 (0.86)
CVR	9	4.42 (0.68)	4.52 (0.65)	4.27 (0.82)	4.37 (0.74)	4.31 (0.8)	4.15 (0.89)	4.47 (0.7)	4.09 (0.79)	4.43 (0.71)	4.22 (0.87)	4.36 (0.84)	4.28 (0.81)	4.33 (0.68)	4.41 (0.78)	4.34 (0.96)
DevReg	9	4.48 (0.6)	4.53 (0.6)	4.38 (0.67)	4.29 (0.81)	4.36 (0.74)	4.27 (0.78)	4.19 (0.76)	3.87 (0.96)	4.59 (0.69)	4.16 (0.8)	4.23 (0.73)	4.11 (0.81)	4.24 (0.66)	4.14 (0.98)	4.43 (0.67)
Epidemiologi	21	4.28 (0.72)	4.46 (0.72)	4.26 (0.82)	4.18 (0.87)	4.14 (0.91)	3.99 (1.03)	4.19 (0.79)	3.86 (1)	4.32 (0.8)	4.15 (0.87)	4.15 (0.86)	4.09 (0.84)	4.01 (0.79)	3.99 (0.9)	4.17 (0.89)
FoTO	10	4.29 (0.77)	4.46 (0.73)	4.2 (0.82)	4.25 (0.84)	4.25 (0.82)	4.03 (1)	4.31 (0.73)	3.75 (1.09)	4.49 (0.73)	4.17 (0.94)	4.09 (0.92)	4.15 (0.9)	4.22 (0.86)	4.09 (0.97)	4.27 (0.89)
MetEndo	2	4.21 (0.58)	3.93 (0.83)	4 (0.55)	4.14 (0.53)	4.14 (0.66)	4.07 (0.73)	4.14 (0.77)	3.43 (1.34)	4.08 (0.76)	3.79 (0.89)	4.14 (0.69)	3.93 (0.73)	3.86 (0.66)	3.86 (1.03)	4 (0.78)
Neurovetenskap	18	4.33 (0.7)	4.59 (0.68)	4.38 (0.73)	4.39 (0.76)	4.46 (0.71)	4.29 (0.87)	4.45 (0.69)	3.79 (1.09)	4.61 (0.66)	4.28 (0.83)	4.25 (0.78)	4.23 (0.77)	4.23 (0.78)	4.16 (0.93)	4.47 (0.7)
PHSP	5	4.5 (0.54)	4.5 (0.64)	4.44 (0.6)	4.3 (0.84)	4.37 (0.76)	4.24 (0.82)	4.41 (0.66)	4.04 (0.96)	4.72 (0.53)	4.19 (0.77)	3.95 (0.75)	4.31 (0.7)	4.24 (0.61)	4.28 (0.88)	4.26 (0.78)
PUF-V	12	4.34 (0.62)	4.54 (0.67)	4.37 (0.77)	4.29 (0.81)	4.25 (0.82)	4.33 (0.79)	4.38 (0.68)	3.74 (1.02)	4.53 (0.74)	4.17 (0.79)	4.13 (0.86)	4.29 (0.8)	4.18 (0.66)	3.86 (0.93)	4.31 (0.84)
Included in several programs	2	4.36 (0.67)	4.59 (0.59)	4.15 (0.74)	4.23 (0.74)	4.31 (0.66)	4.51 (0.56)	4.38 (0.63)	3.51 (1.1)	4.59 (0.55)	4.38 (0.67)	4 (0.88)	4.46 (0.55)	4.03 (0.67)	4 (1)	4.38 (0.71)

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Figure 8: Means (M) and Standard Deviations (SD) divided by programme

Means and SD for every question per programme

Programme courses

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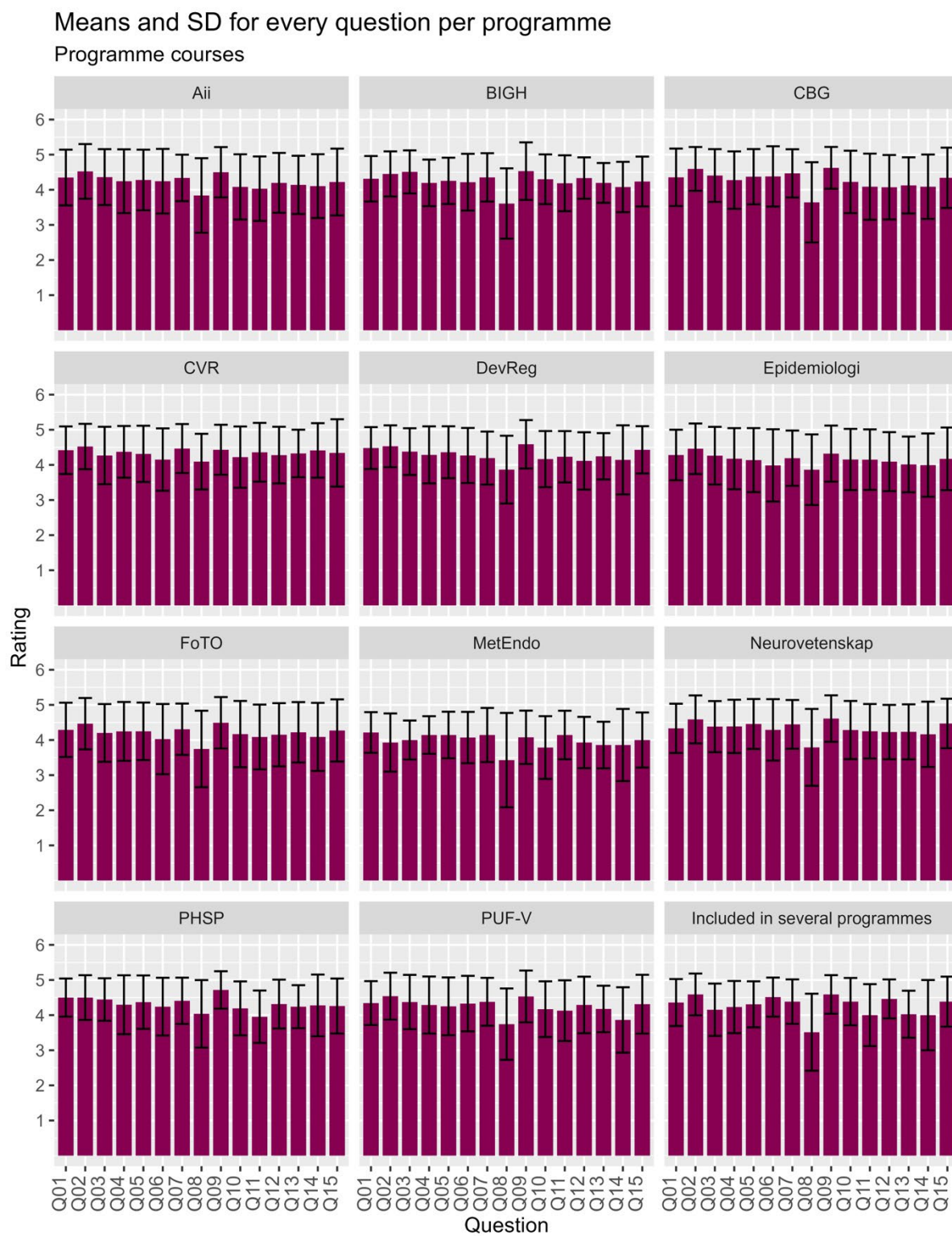
Results – Research schools

Results for Research Schools, also divided into the different schools are presented below in tables and figures.
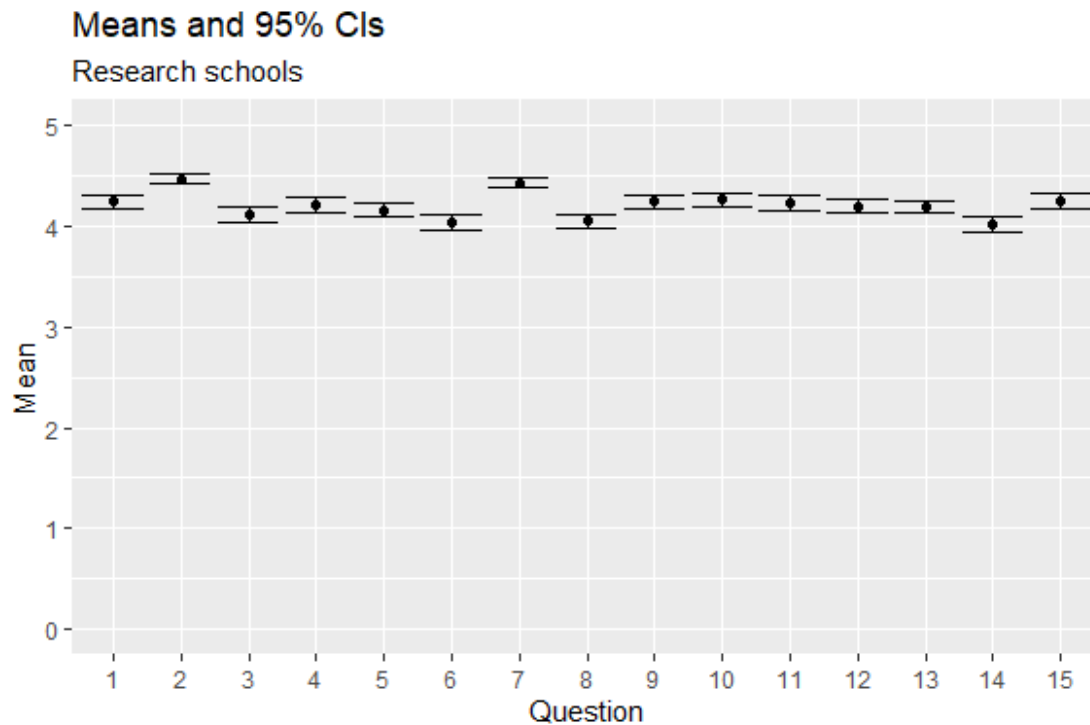
Table for the courses of the research schools (in aggregate)

- Histogram of mean and confidence intervals (questions 1–15)
- Chart per question (1–15) showing the distribution of responses
- Percentiles for each question (M, SD, P10–P90)
- Question 18 on overall satisfaction (chart with and without respondents who are not doctoral students).

Table 9: Descriptive results for Research Schools, 2023

Question number	n	M	SD	95% CI (LL)	95% CI (UL)	median	P25	P75	min	max	range	skew
1	643	4.23	0.69	4.18	4.28	4.00	4.00	5.00	1.00	5.00	4.00	-0.68
2	644	4.38	0.71	4.33	4.44	4.00	4.00	5.00	1.00	5.00	4.00	-1.14
3	645	4.12	0.80	4.05	4.18	4.00	4.00	5.00	1.00	5.00	4.00	-0.73
4	643	4.07	0.88	4.00	4.14	4.00	4.00	5.00	1.00	5.00	4.00	-0.84
5	639	4.04	0.90	3.97	4.11	4.00	4.00	5.00	1.00	5.00	4.00	-0.80
6	642	3.96	0.93	3.89	4.04	4.00	3.00	5.00	1.00	5.00	4.00	-0.71
7	642	4.41	0.61	4.36	4.45	4.00	4.00	5.00	2.00	5.00	3.00	-0.64
8	643	4.03	0.83	3.97	4.09	4.00	4.00	5.00	1.00	5.00	4.00	-0.70
9	643	4.16	0.88	4.10	4.23	4.00	4.00	5.00	1.00	5.00	4.00	-1.08
10	645	4.12	0.87	4.05	4.18	4.00	4.00	5.00	1.00	5.00	4.00	-0.83
11	503	4.16	0.87	4.08	4.23	4.00	4.00	5.00	1.00	5.00	4.00	-0.86
12	640	4.12	0.86	4.05	4.19	4.00	4.00	5.00	1.00	5.00	4.00	-1.06
13	640	4.04	0.71	3.98	4.09	4.00	4.00	4.00	1.00	5.00	4.00	-0.60
14	642	3.99	0.96	3.91	4.06	4.00	4.00	5.00	1.00	5.00	4.00	-1.11
15	640	4.02	0.97	3.94	4.10	4.00	4.00	5.00	1.00	5.00	4.00	-0.98

Figure 9: Plots with means and confidence intervals (CIs) – Research schools

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Means and 95% CIs
Research schools

The figures below show the distribution of responses for each question that had the scale: *to a very small extent, to a small extent, to some extent, to a large extent, to a very large extent*. Question 11 also had the option "*not relevant*".

Figure 10: Histograms for questions 1 to 15 – Research Schools

Response distribution for each question

Research schools

1 - To a very small extent, 2 - To a small extent, 3 - To some extent, 4 - To a large extent, 5 - To a very large extent

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In addition to the mean (M), standard deviations (SD), and 95 percent CIs, the results are presented also in percentile tables. Course givers can use these to compare an individual course's result with the aggregated results for Research School courses for each question.

Example: An individual course has received 4.2 on question 1, regarding the course content. The course is in the 50th percentile. Therefore, the course has received a higher result on the question than 50% of the courses at KI.

Table 10: Percentiles for Research Schools 2023

question	n	M	SD	P10	P20	P30	P40	P50	P60	P70	P80	P90
Q01	41	4,2	0,6	3,6	3,9	4,0	4,1	4,2	4,3	4,5	4,7	4,9
Q02	41	4,3	0,7	3,6	3,9	4,1	4,2	4,4	4,5	4,8	4,9	5,0
Q03	41	4,1	0,7	3,3	3,6	3,9	4,1	4,1	4,2	4,5	4,7	4,9
Q04	41	4,0	0,8	3,2	3,6	3,8	4,0	4,1	4,4	4,5	4,6	4,8
Q05	41	4,0	0,8	3,2	3,5	3,7	3,9	4,1	4,2	4,4	4,6	4,8
Q06	41	4,0	0,8	3,0	3,4	3,7	3,8	4,0	4,3	4,4	4,6	4,8
Q07	41	4,4	0,6	3,9	4,0	4,1	4,2	4,4	4,7	4,8	4,9	5,0
Q08	41	4,0	0,7	3,3	3,5	3,6	3,9	4,1	4,2	4,4	4,6	4,9
Q09	41	4,2	0,7	3,4	3,7	3,9	4,1	4,2	4,4	4,5	4,7	4,9
Q10	41	4,1	0,8	3,3	3,5	3,8	4,0	4,2	4,3	4,5	4,7	4,9
Q11	41	4,1	0,8	3,4	3,6	3,8	4,0	4,2	4,4	4,6	4,7	4,9
Q12	41	4,1	0,7	3,3	3,6	3,9	4,0	4,1	4,3	4,6	4,8	4,9
Q13	41	4,0	0,6	3,4	3,7	3,8	3,9	4,0	4,1	4,2	4,5	4,7
Q14	41	4,0	0,8	3,2	3,4	3,7	3,8	4,0	4,2	4,4	4,6	4,8
Q15	41	4,0	0,8	3,1	3,4	3,7	3,9	4,1	4,2	4,4	4,7	4,9
Total	41	4,1	0,7	3,3	3,6	3,8	4,0	4,1	4,3	4,5	4,7	4,9

Question 18 – Research Schools

Question 18: Would you recommend this course to others enrolled in doctoral education? The question is a yes/no question with a "not relevant" option for

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students that are not doctoral students. Therefore, the results are presented in two separate diagrams where the "not relevant" option is included in the first one and excluded in the second one.

Figure 11: Response distribution for Question 18 – Research schools

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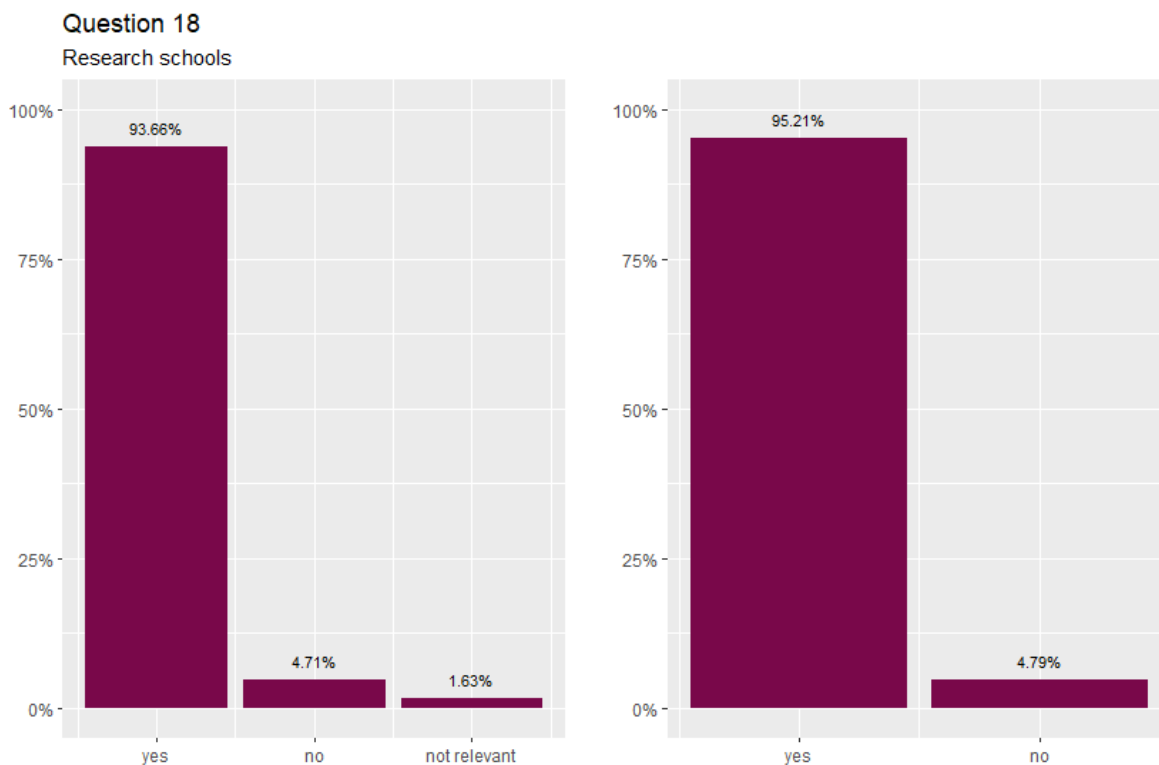
Results – Courses in Research Schools divided by school
Karolinska Institutet (KI) has several research schools for doctoral students. The research schools included in this year's report are nine. A list of these is presented below. Some courses are offered in collaboration by two or more schools.

List of all Research Schools:

- Research school in Clinical Therapy Research (KI–Region Stockholm)
- Research school for clinicians in epidemiology (KI–Region Stockholm)
- Research School in family medicine and primary care (KI–Region Stockholm)
- Research school for clinicians in Molecular medicine (KI–Region Stockholm)
- National research school in clinical and translational cancer research (NatiOn)
- Research school for clinicians in psychiatry (KI–Region Stockholm)
- School of Health Innovation
- Swedish Interdisciplinary Graduate School in register–based research (SINGS)

Results per research school:

- Table with each research school (on the y-axis) and each question (on the x-axis) with M and SD.
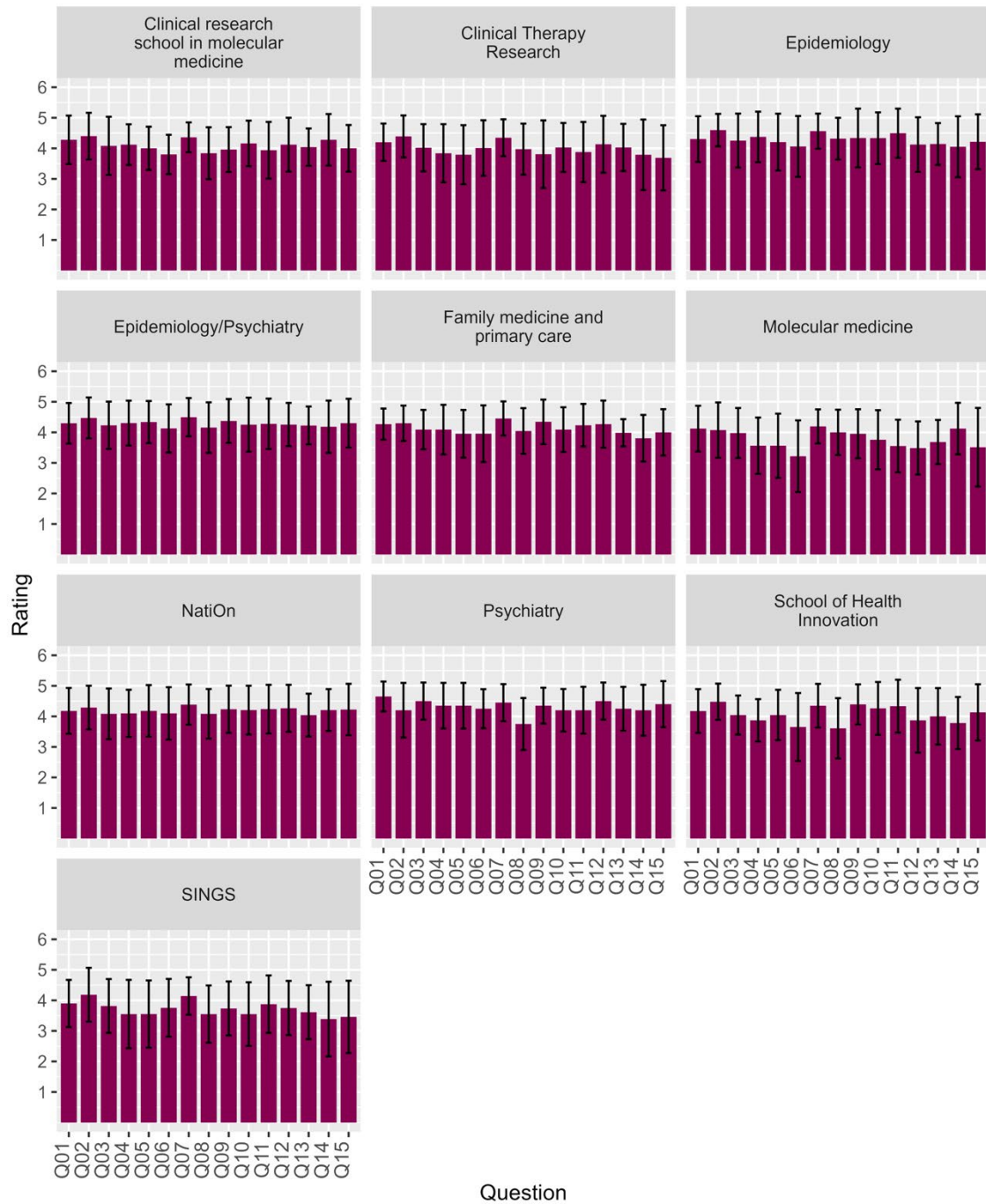- Chart per research school with M and SD per question.

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Table 11: Results for Research Schools per school, 2023 (means and 95% CIs)

Research school	N	Q01	Q02	Q03	Q04	Q05	Q06	Q07	Q08	Q09	Q10	Q11	Q12	Q13	Q14	Q15
Clinical Therapy Research	6	4.2 (0.61)	4.39 (0.69)	4.02 (0.77)	3.84 (0.95)	3.79 (0.97)	4.01 (0.91)	4.35 (0.6)	3.97 (0.84)	3.81 (1.11)	4.03 (0.8)	3.88 (0.98)	4.13 (0.93)	4.03 (0.77)	3.79 (1.15)	3.69 (1.07)
Epidemiology	5	4.3 (0.75)	4.6 (0.53)	4.25 (0.88)	4.37 (0.83)	4.2 (0.93)	4.06 (1)	4.56 (0.58)	4.32 (0.68)	4.34 (0.96)	4.33 (0.85)	4.49 (0.8)	4.12 (0.89)	4.14 (0.69)	4.05 (1)	4.21 (0.9)
Epidemiology/ Psychiatry	5	4.3 (0.66)	4.47 (0.67)	4.23 (0.78)	4.3 (0.73)	4.34 (0.69)	4.13 (0.79)	4.5 (0.63)	4.15 (0.83)	4.37 (0.72)	4.25 (0.88)	4.28 (0.83)	4.25 (0.71)	4.22 (0.62)	4.18 (0.86)	4.3 (0.8)
Family medicine and primary care	8	4.27 (0.51)	4.3 (0.58)	4.09 (0.65)	4.09 (0.81)	3.95 (0.78)	3.96 (0.93)	4.45 (0.56)	4.04 (0.75)	4.34 (0.73)	4.09 (0.73)	4.23 (0.7)	4.27 (0.77)	3.98 (0.45)	3.81 (0.76)	4 (0.76)
Molecular medicine	5	4.18 (0.76)	4.2 (0.86)	4.02 (0.87)	3.77 (0.87)	3.73 (0.95)	3.44 (1.04)	4.26 (0.54)	3.94 (0.78)	3.95 (0.77)	3.91 (0.91)	3.67 (0.89)	3.73 (0.92)	3.82 (0.7)	4.18 (0.84)	3.7 (1.14)
NatiOn	6	4.18 (0.75)	4.29 (0.72)	4.08 (0.83)	4.1 (0.77)	4.18 (0.84)	4.1 (0.86)	4.38 (0.66)	4.08 (0.81)	4.23 (0.77)	4.21 (0.8)	4.24 (0.8)	4.26 (0.77)	4.04 (0.7)	4.21 (0.69)	4.22 (0.84)
Psychiatry	2	4.65 (0.49)	4.2 (0.89)	4.5 (0.61)	4.35 (0.75)	4.35 (0.75)	4.25 (0.64)	4.45 (0.6)	3.75 (0.85)	4.35 (0.59)	4.2 (0.7)	4.2 (0.77)	4.5 (0.61)	4.25 (0.72)	4.2 (0.83)	4.4 (0.75)
SINGS	3	3.9 (0.77)	4.18 (0.88)	3.82 (0.88)	3.55 (1.12)	3.55 (1.1)	3.76 (0.95)	4.14 (0.61)	3.55 (0.94)	3.73 (0.88)	3.55 (1.04)	3.88 (0.94)	3.75 (0.89)	3.61 (0.89)	3.39 (1.22)	3.46 (1.18)
School of Health Innovation	1	4.17 (0.72)	4.48 (0.59)	4.04 (0.64)	3.87 (0.69)	4.04 (0.82)	3.65 (1.11)	4.35 (0.71)	3.61 (0.99)	4.39 (0.66)	4.26 (0.86)	4.33 (0.87)	3.87 (1.06)	4 (0.93)	3.78 (0.85)	4.13 (0.92)

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Figure 12: Means (M) and Standard Deviations (SD) divided by Research School

Means and 95% CIs for every question per school
Research Schools

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Yearly comparisons 2021–2023

The following section presents comparisons between the data from 2021, 2022 and 2023. The results are presented as follows:

Comparisons over the years 2021 – 2023:
- Table for all courses combined
- Table for the Freestanding courses
- Table for the Programme courses
- Table for the Research schools

Comparisons between semesters:
- Diagram for all courses (Mean ratings and individual data over years)
- Diagram for the course Freestanding courses (Mean ratings and individual data over years)
- Diagram for the course Programme courses (Mean ratings and individual data over years)
- Diagram for the research schools (Mean ratings and individual data over years)

Comparisons per question and semester:
- Overall
- Freestanding courses
- Programme courses
- Research schools

Comparison of question 18 between semesters
- Overall
- Freestanding courses
- Programme courses
- Research schools

Question 1 to 15: Trends over years 2021–2023

Table 12: Trends for Freestanding courses, Programme courses and Research Schools, 2021 - 2023

	2021			2022			2023		
Question number	n	M	SD	n	M	SD	n	M	SD
Q01	3 066	4.33	0.73	3 182	4.35	0.72	3 457	4.31	0.73
Q02	3 072	4.34	0.77	3 187	4.40	0.76	3 463	4.36	0.79
Q03	3 059	4.25	0.79	3 181	4.28	0.78	3 454	4.26	0.79
Q04	3 057	4.18	0.86	3 181	4.23	0.84	3 460	4.18	0.87
Q05	3 059	4.19	0.87	3 179	4.23	0.84	3 453	4.17	0.88
Q06	3 055	3.97	1.01	3 183	4.14	0.92	3 458	4.10	0.97
Q07	3 067	4.25	0.79	3 188	4.35	0.73	3 459	4.32	0.72
Q08	3 064	3.97	0.94	3 182	3.96	0.95	3 457	3.94	0.97
Q09	3 042	4.40	0.77	3 158	4.39	0.78	3 435	4.34	0.82
Q10	3 067	4.11	0.89	3 183	4.19	0.87	3 453	4.13	0.89
Q11	2 272	4.08	0.87	2 389	4.14	0.87	2 531	4.10	0.88
Q12	3 056	4.15	0.83	3 161	4.20	0.81	3 443	4.17	0.82
Q13	3 046	4.13	0.75	3 175	4.17	0.74	3 452	4.14	0.74
Q14	3 053	4.00	0.95	3 168	4.07	0.92	3 453	4.05	0.94

Question number	2021			2022			2023		
	n	M	SD	n	M	SD	n	M	SD
Q15	3 061	4.20	0.90	3 180	4.26	0.86	3 449	4.15	0.94
Q18	3 052	0.99	0.35	3 163	0.99	0.31	3 427	1.02	0.35

Table 13: Yearly comparisons for Freestanding courses 2021- 2023

Question number	2021			2022			2023		
	n	M	SD	n	M	SD	n	M	SD
Q01	1 310	4.36	0.71	1 231	4.34	0.73	1 486	4.31	0.75
Q02	1 309	4.22	0.87	1 229	4.24	0.85	1 491	4.22	0.89
Q03	1 304	4.29	0.80	1 228	4.28	0.79	1 486	4.27	0.79
Q04	1 299	4.17	0.89	1 226	4.20	0.85	1 488	4.15	0.90
Q05	1 304	4.19	0.90	1 224	4.19	0.87	1 488	4.14	0.92
Q06	1 305	3.99	1.05	1 228	4.15	0.94	1 488	4.07	1.02
Q07	1 310	4.29	0.79	1 232	4.34	0.71	1 490	4.27	0.75
Q08	1 308	4.07	0.96	1 231	4.00	0.96	1 489	4.01	0.95
Q09	1 294	4.37	0.83	1 212	4.33	0.82	1 474	4.29	0.86
Q10	1 310	4.09	0.95	1 230	4.15	0.88	1 487	4.09	0.93
Q11	814	4.08	0.91	773	4.00	0.92	938	4.02	0.92

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Question number	2021			2022					2023
	n	M	SD	n	M	SD	n	M	SD
Q12	1 308	4.19	0.83	1 225	4.19	0.84	1 483	4.18	0.81
Q13	1 300	4.19	0.75	1 228	4.19	0.73	1 487	4.17	0.74
Q14	1 301	4.05	0.94	1 220	4.04	0.95	1 488	4.04	0.94
Q15	1 303	4.13	0.97	1 229	4.18	0.89	1 483	4.08	1.00
Q18	1 296	1.00	0.34	1 223	1.01	0.30	1 472	1.03	0.36

Table 14: Yearly comparisons for Programme courses, 2021-2023

Question number	2021			2022					2023
	n	M	SD	n	M	SD	n	M	SD
Q01	1 427	4.31	0.71	1 362	4.40	0.69	1 328	4.34	0.71
Q02	1 434	4.44	0.68	1 366	4.51	0.69	1 328	4.51	0.69
Q03	1 426	4.25	0.77	1 361	4.35	0.73	1 323	4.32	0.77
Q04	1 429	4.18	0.83	1 365	4.27	0.82	1 329	4.26	0.82
Q05	1 426	4.20	0.83	1 364	4.30	0.81	1 326	4.28	0.82
Q06	1 422	3.95	0.97	1 363	4.17	0.89	1 328	4.19	0.91
Q07	1 430	4.20	0.81	1 366	4.31	0.77	1 327	4.33	0.73
Q08	1 429	3.87	0.93	1 361	3.89	0.99	1 325	3.81	1.04

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Question number	2021			2022			2023		
	n	M	SD	n	M	SD	n	M	SD
Q09	1 422	4.45	0.70	1 358	4.51	0.69	1 318	4.49	0.72
Q10	1 428	4.10	0.84	1 364	4.20	0.88	1 321	4.19	0.85
Q11	1 185	4.06	0.86	1 127	4.18	0.84	1 090	4.15	0.85
Q12	1 425	4.11	0.83	1 358	4.20	0.80	1 320	4.18	0.82
Q13	1 420	4.08	0.75	1 362	4.15	0.78	1 325	4.15	0.76
Q14	1 424	3.95	0.98	1 362	4.13	0.89	1 323	4.08	0.92
Q15	1 430	4.27	0.83	1 364	4.34	0.83	1 326	4.29	0.84
Q18	1 427	0.95	0.36	1 361	0.95	0.33	1 320	0.97	0.33

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Table 15: Yearly comparison for Research schools 2021 - 2023

Question number	2021			2022			2023		
	n	M	SD	n	M	SD	n	M	SD
Q01	329	4.22	0.85	589	4.23	0.75	643	4.23	0.69
Q02	329	4.39	0.69	592	4.46	0.67	644	4.38	0.71
Q03	329	4.09	0.85	592	4.11	0.84	645	4.12	0.80
Q04	329	4.21	0.83	590	4.22	0.83	643	4.07	0.88
Q05	329	4.15	0.89	591	4.16	0.86	639	4.04	0.90
Q06	328	3.94	0.99	592	4.04	0.91	642	3.96	0.93
Q07	327	4.34	0.76	590	4.44	0.66	642	4.41	0.61
Q08	327	4.05	0.87	590	4.07	0.81	643	4.03	0.83
Q09	326	4.27	0.82	588	4.25	0.83	643	4.16	0.88
Q10	329	4.19	0.84	589	4.28	0.81	645	4.12	0.87
Q11	273	4.18	0.81	489	4.25	0.83	503	4.16	0.87
Q12	323	4.21	0.80	578	4.20	0.80	640	4.12	0.86
Q13	326	4.07	0.72	585	4.19	0.67	640	4.04	0.71
Q14	328	4.04	0.81	586	4.01	0.92	642	3.99	0.96
Q15	328	4.22	0.87	587	4.25	0.83	640	4.02	0.97

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Question number	2021			2022			2023		
	n	M	SD	n	M	SD	n	M	SD
Q18	329	1.07	0.33	579	1.03	0.25	635	1.08	0.34

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Figure 13: Mean ratings and individual data over years – All courses

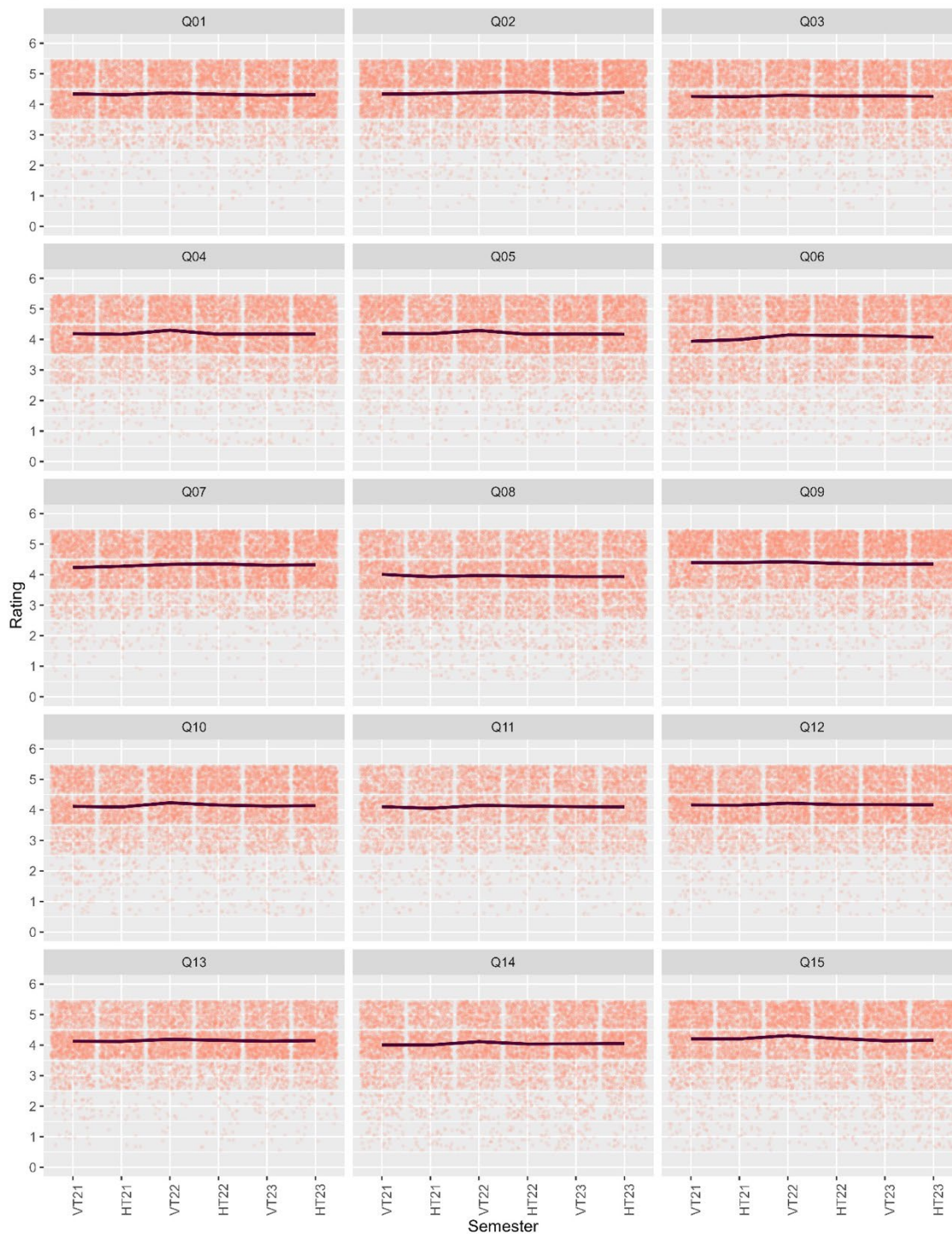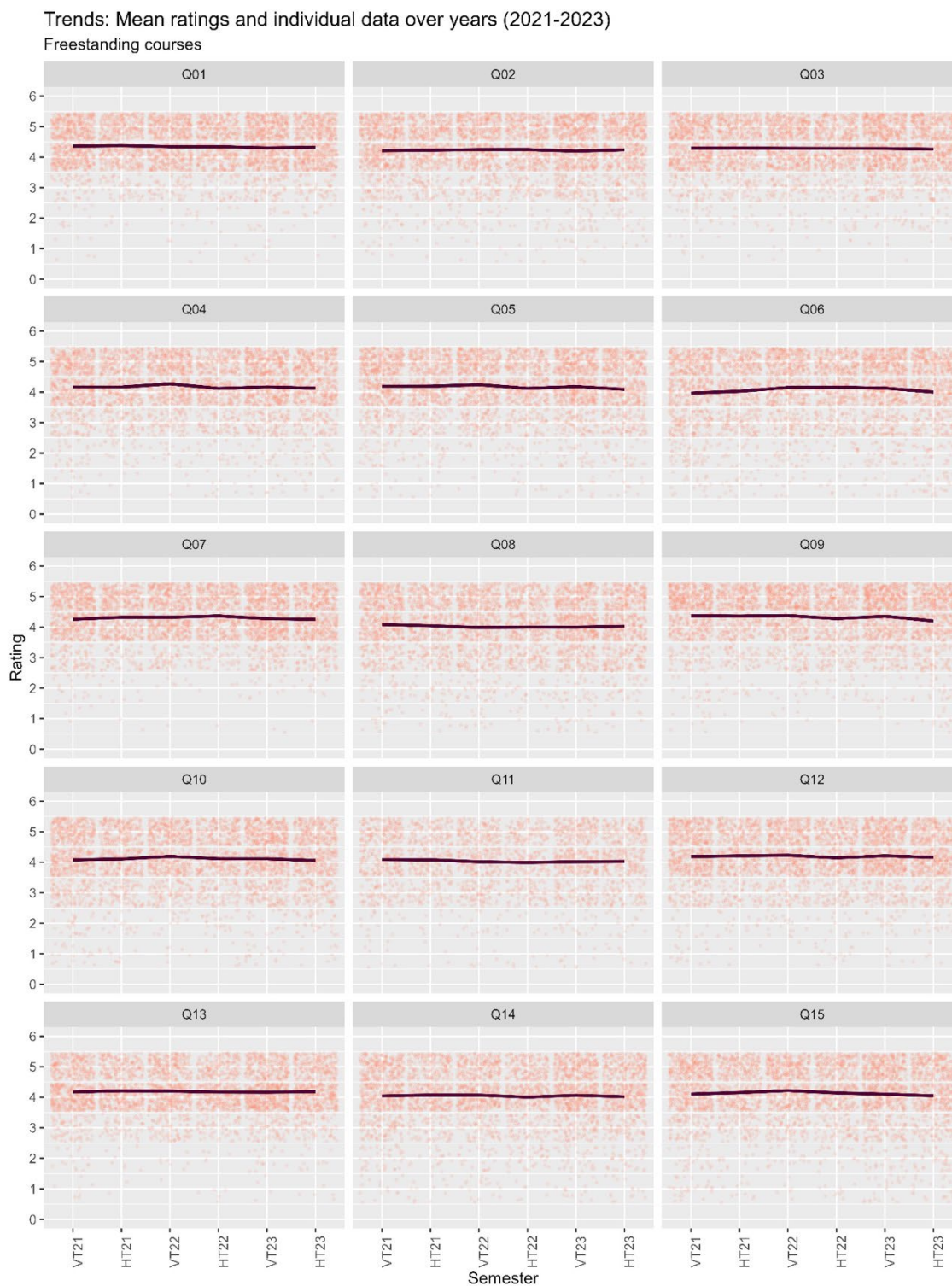Trends: Mean ratings and individual data over years (2021-2023)
All courses

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Figure 14: Mean ratings and individual data over years - Freestanding Courses

Trends: Mean ratings and individual data over years (2021-2023)
Freestanding courses

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Figure 15: Mean ratings and individual data over years - Programme Courses

Trends: Mean ratings and individual data over years (2021-2023)
Programme courses

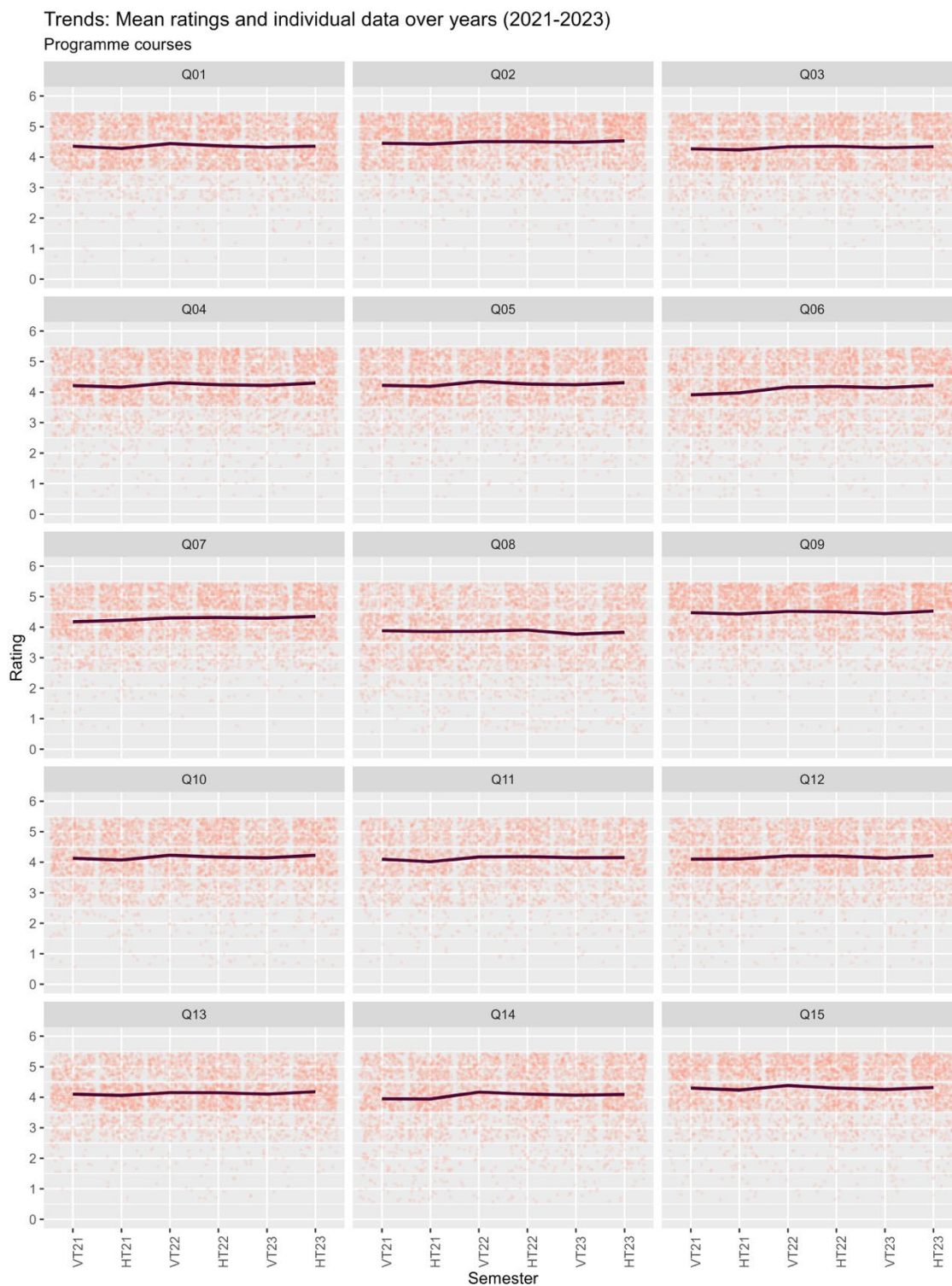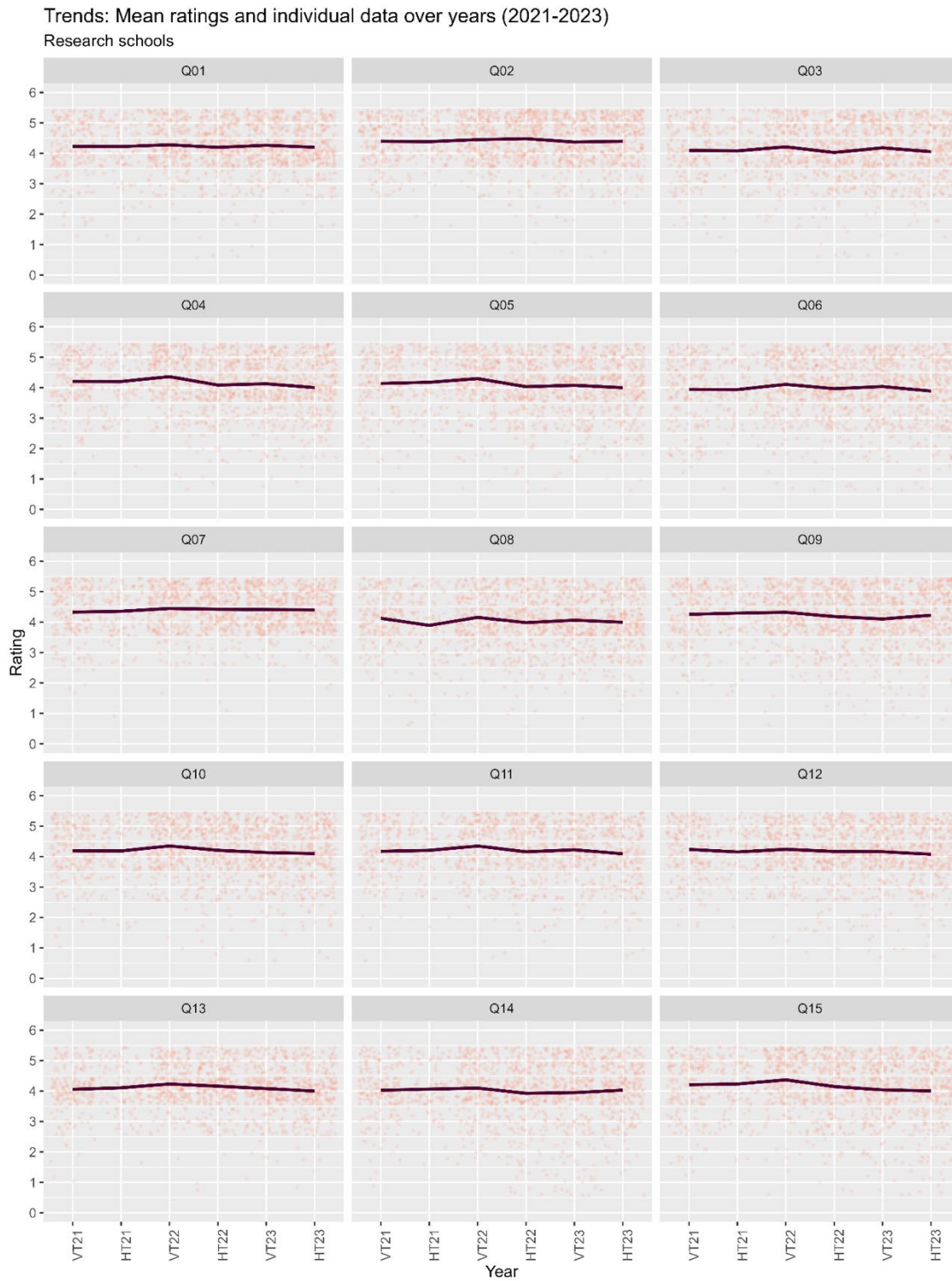Karolinska Institutet – Compilation of Completed Course Evaluations for Doctoral Courses – Annual Report 2023

Figure 16: Mean ratings and individual data over years– Research schools

Trends: Mean ratings and individual data over years (2021-2023)
Research schools

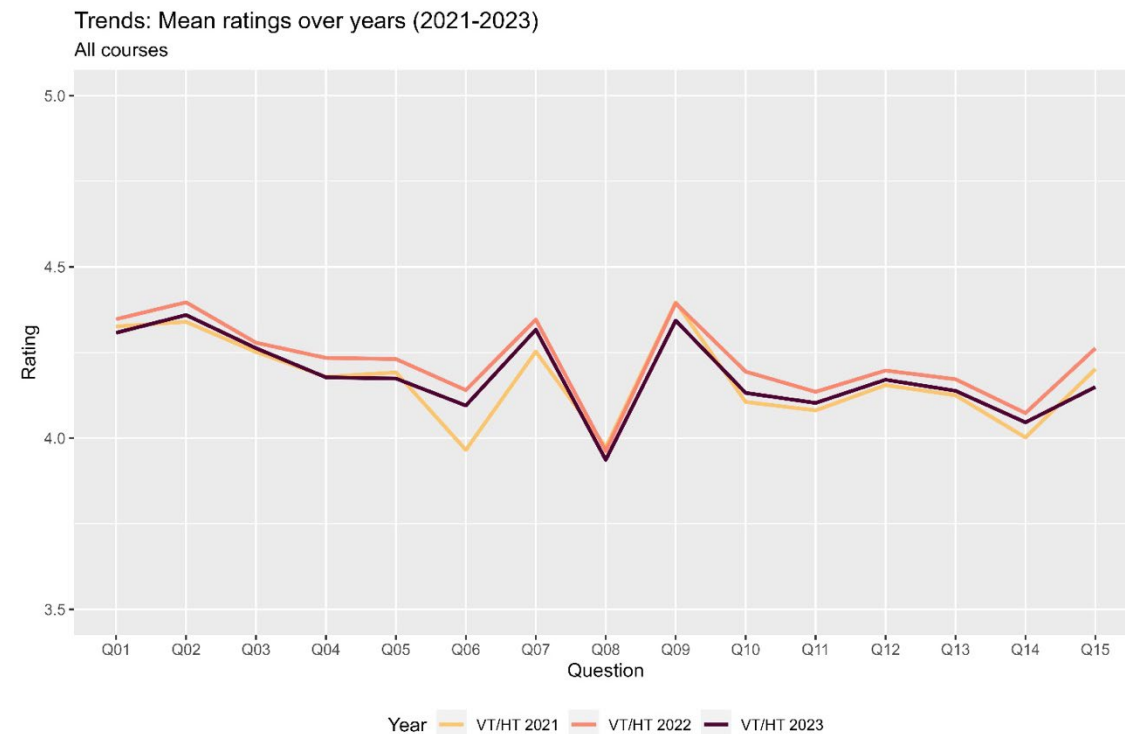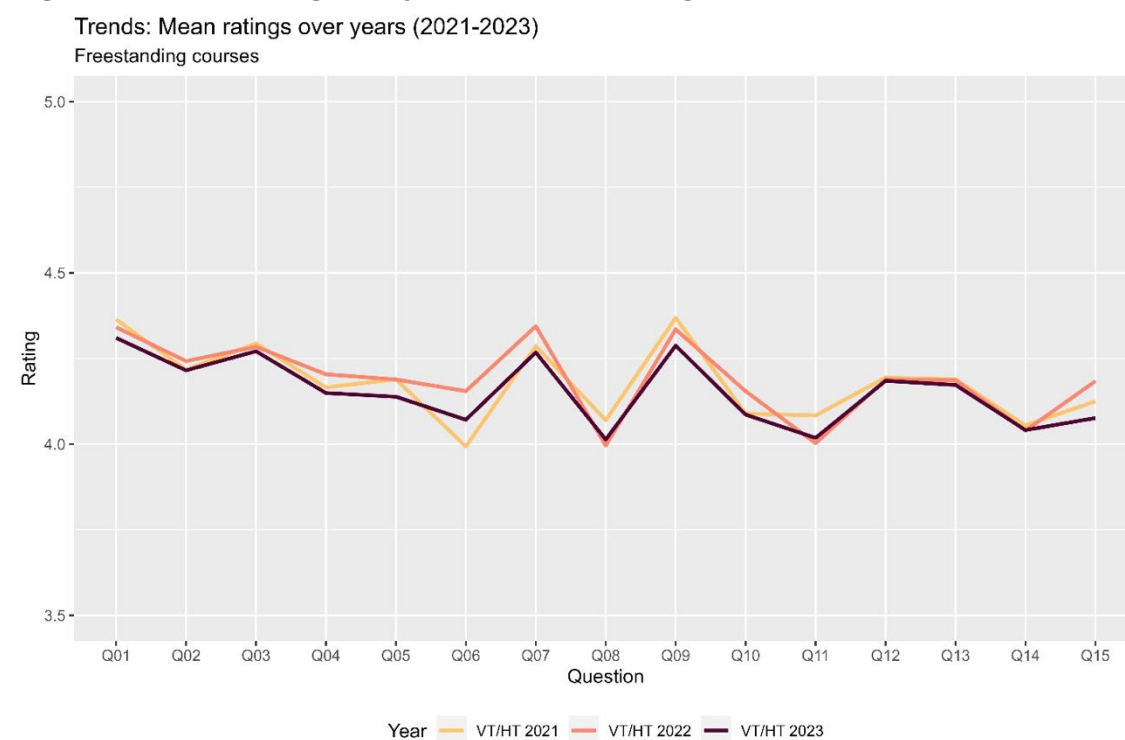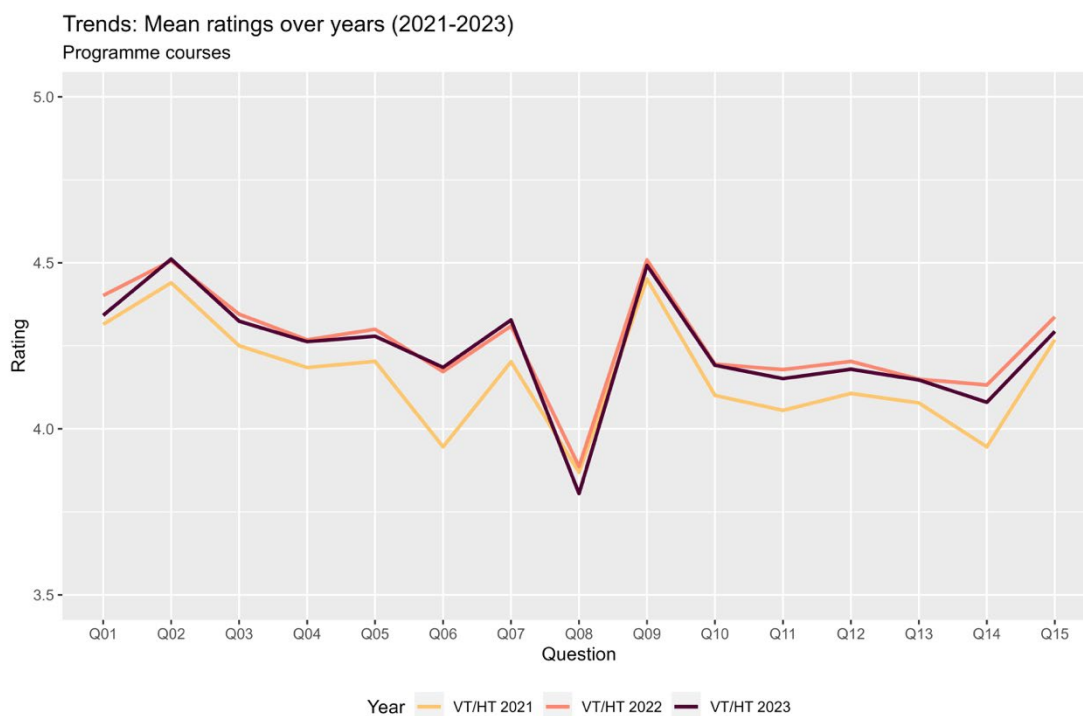Karolinska Institutet – Compilation of Completed Course Evaluations for Doctoral Courses – Annual Report 2023

Figure 17: Mean rating over years – All courses

Trends: Mean ratings over years (2021-2023)
All courses

Figure 18: Mean rating over years – Freestanding courses

Trends: Mean ratings over years (2021-2023)
Freestanding courses

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Figure 19: Mean rating over years – Programme courses

Trends: Mean ratings over years (2021-2023)
Programme courses

Figure 20: Mean ratings over years – Research Schools

Trends: Mean ratings over years (2021-2023)
Research schools

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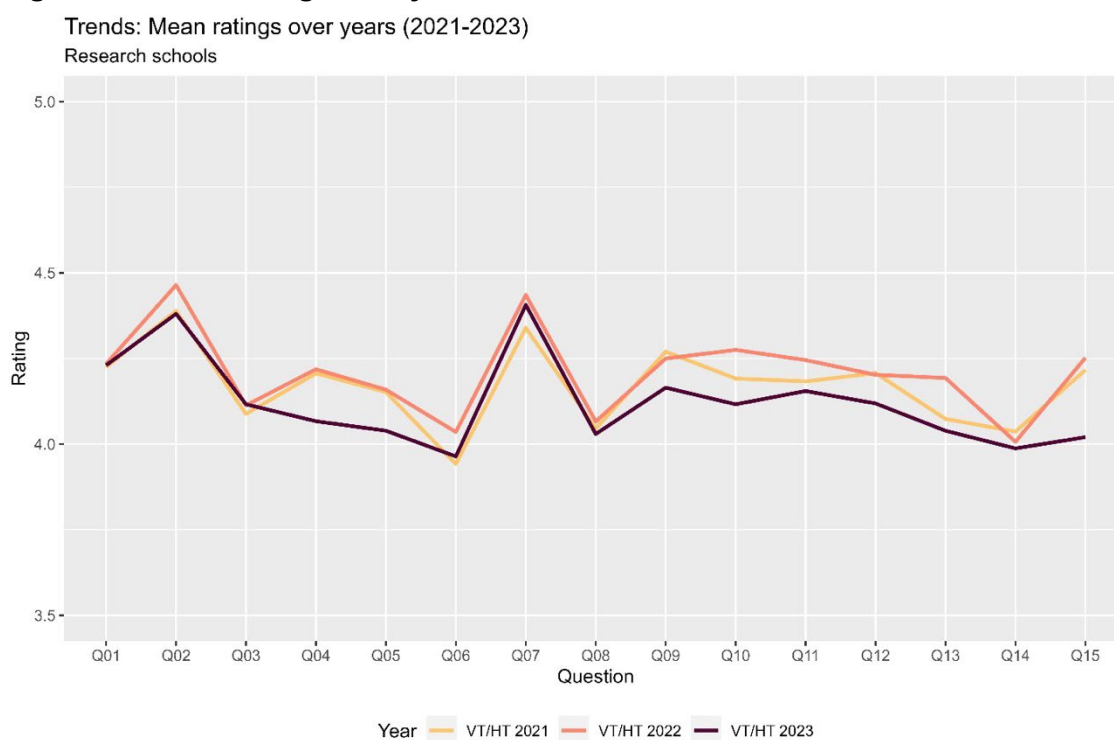
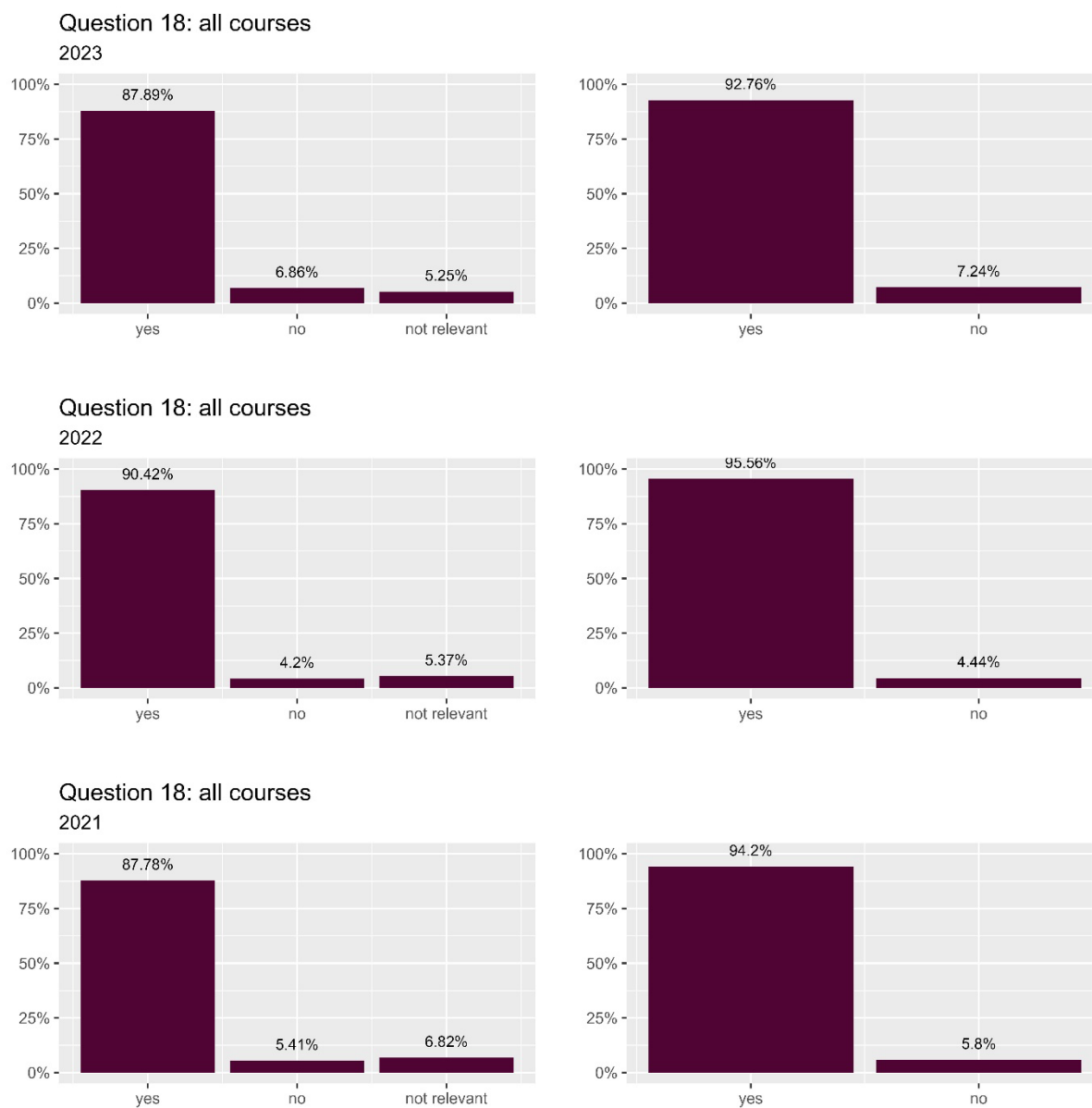## Question 18 – Trends over years 2021–2023
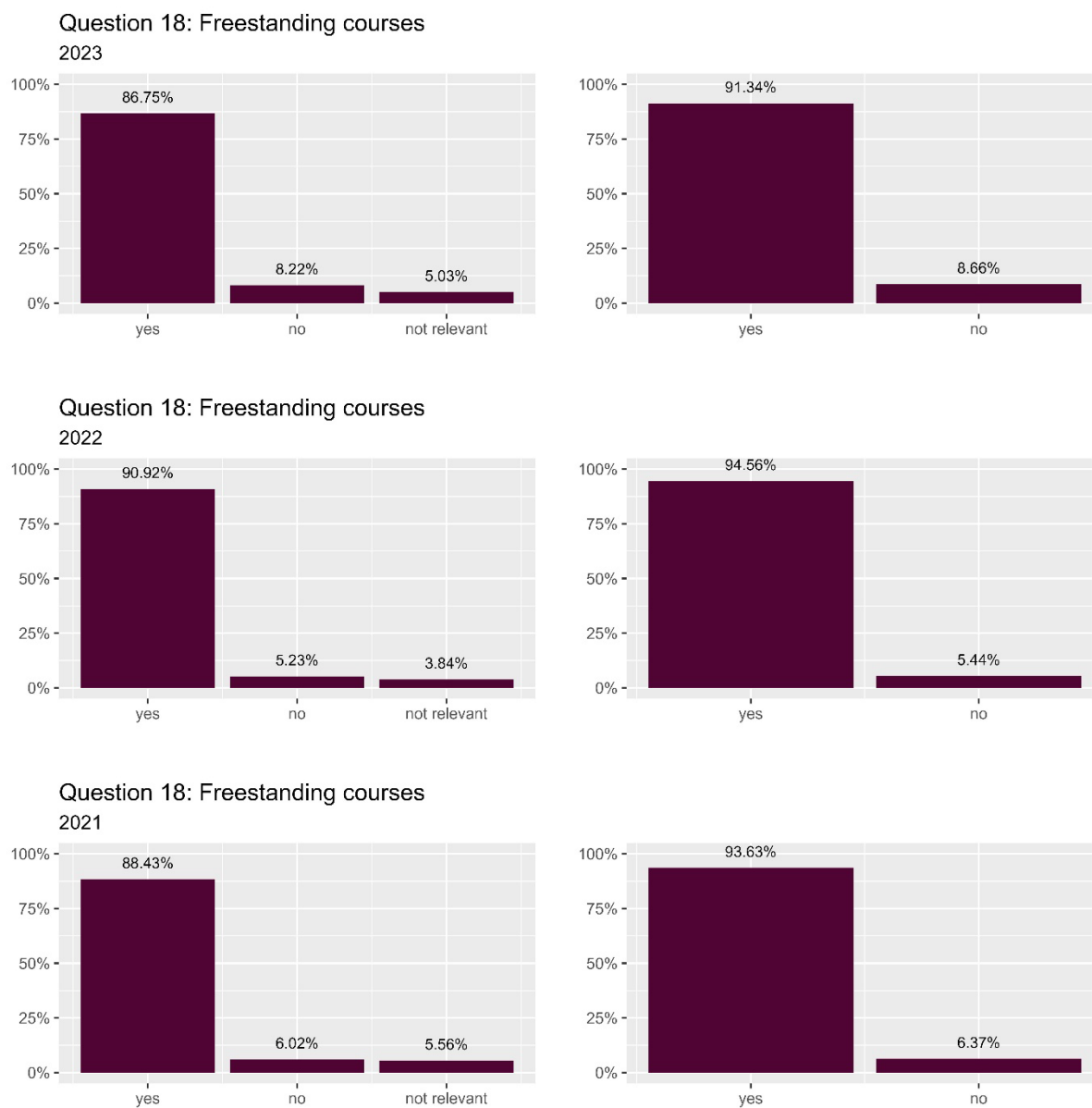## Figure 21: Response distribution over years for Question 18 – All courses

Question 18: all courses
2023

Question 18: all courses
2022

Question 18: all courses
2021

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Figure 22: Response distribution over years for Question 18 – Freestanding courses

Question 18: Freestanding courses

2023

Question 18: Freestanding courses

2022

Question 18: Freestanding courses

2021

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Figure 23: Response distribution over years for Question 18 – Programme courses

Question 18: Programme courses

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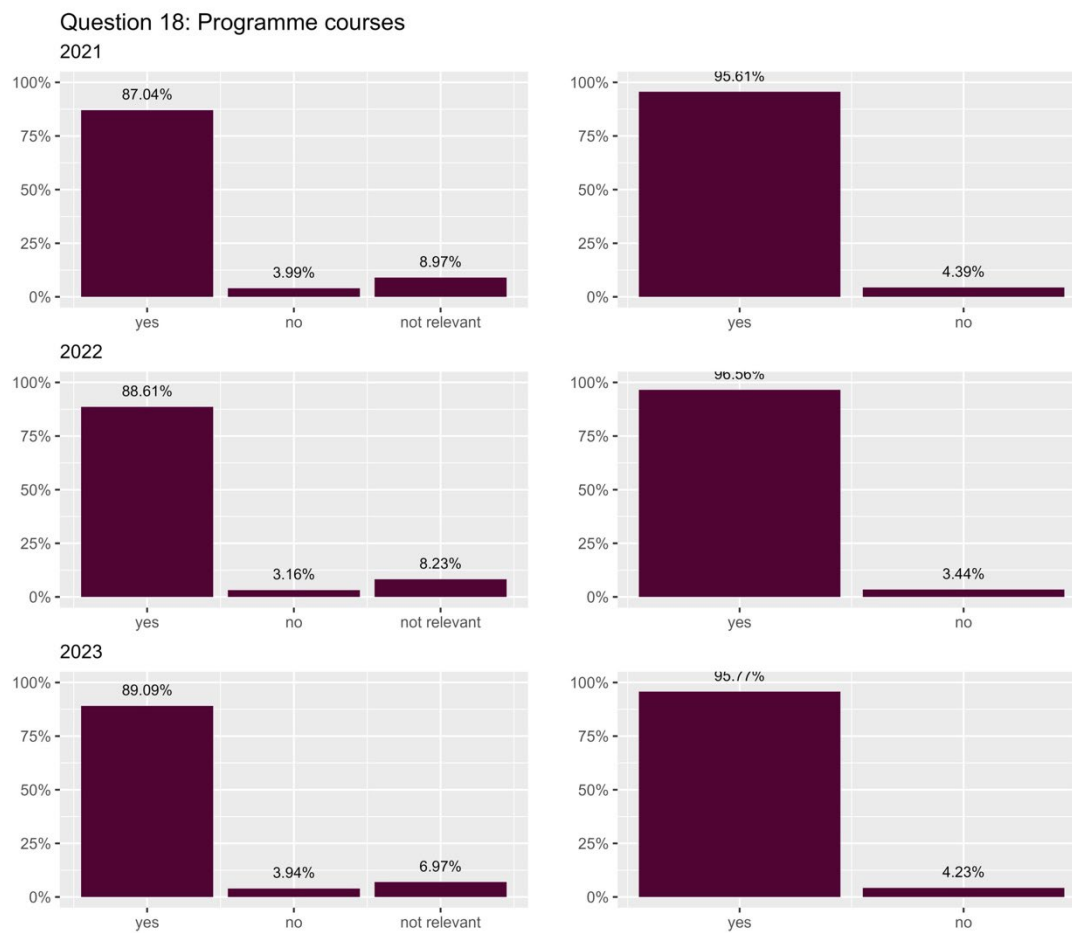
Figure 24: Response distribution over years for Question 18 – Research schools

Question 18: Research schools 2023

Question 18: Research schools 2022

Question 18: Research schools 2021