

Kursanalys (kursutvärdering)

Kurskod 3BL001	Kurstitel Vetenskaplig metodik och statistik	Högskolepoäng 7.5
Termin (vt/ht-år) HT2024	Tidsperiod November 8, 2024 – January 19, 2025	

Kursansvarig Nicholas Valerie	Examinator Mikael Altun
Momentansvariga lärare Study design: Pernilla Lång Scientific writing: Simin Zhang Descriptive and analytical statistics: Johan Boström Epidemiology: Magnus Svartengren Evidence-based medicine: Magnus Svartengren	Övriga medverkande lärare Mikael Altun (feedback and course questions) Helene Rundqvist (ethical permit assignment evaluation)

Antal registrerade studenter vid treveckorskontrollen 41	Antal godkända vid sista kursdatum 37	Svarsfrekvens kursvärderingsenkät 32,56% (14/43 initially registered)
Övriga metoder för studentinflytande (utöver avslutande kursvärdering) Question and answer sessions during Friday workshops, direct messages/emails to kursansvarig/examinator/teachers At the halfway point in the course, we also took time during a Friday workshop to directly ask students for feedback.		
Återkoppling av kursvärderingsresultat till studenterna The course evaluation analysis is shared with the students on Canvas and will be posted on KI's course website homepage in Spring 2025.		

Observera att...

Analysen ska (tillsammans med sammanfattande kvantitativ sammanställning av studenternas kursvärdering) delges utbildningsnämnd vid kursgivande institution samt för programkurser även programansvarig nämnd.

Analysen har delgivits utbildningsnämnd följande datum:

Analysen har delgivits programansvarig nämnd följande datum:

1. Beskrivning av eventuellt genomförda förändringar sedan föregående kurstillfälle baserat på tidigare studenters synpunkter

- The scientific writing module was pushed back to later in the course (v 2 to v 5) to accommodate teacher availability

- More available self-test and practice exercises available to students on Canvas
- More practice and review content added specifically for the statistics module of the course so that students can review these concepts and feel confident
- Set written examination and omtentor dates well in advance
- Provided details about sitting for the in-person written examination in other cities/countries (giving the students an alternative to traveling to Stockholm) on Canvas
- Gave clear instructions on English/Swedish language use for lectures and examinations
- Communicated with students about essential content to know/study for modules and examinations – workshop content is the best indicator
- Included a brief review of descriptive and applied statistics material during the statistics workshop – particularly a focus on choosing relevant statistical analyses depending on the data

2. Kortfattad sammanfattning av studenternas värderingar av kursen

(Baserad på studenternas kvantitativa svar på kursvärderingen och centrala synpunkter ur fritextsvar. Kvantitativ sammanställning och ev. grafer bifogas.)

See attached overview of student responses to the course.

Overall, ~33% of registered students responded to the course survey and feedback was quite positive. The response rate was significantly lower than last year's 54%, although only 37 students were active by the course end this year. Generally, they found the course to be stimulating and felt that they gained knowledge of clinical study design principles. Most students were happy with the Friday workshops and found the instructors and course administrators accommodating and knowledgeable. Some areas to improve upon were more content available for self-testing (especially related to statistics), more explicit instructions on which content should be focused on for studying (related to what should be studied for the examination), and there was also frustration about having a choice of language for the multiple-choice exam.

3. Kursansvarigs reflektioner kring kursens genomförande och resultat

Kursens styrkor: Quality of teachers and the Friday workshops; the breadth of study content available (as well as the different media forms available; helpfulness and availability of both teachers and course administrators to address student questions/concerns; the assignments (particularly the ethical permit group assignment) give real-world applications of the course material; the logistics for taking the exam in another city were greatly improved from the previous offering

Kursens svagheter: There is still some concern from students that we do not focus enough on reviewing descriptive and applied statistics (and more time/practice on using GraphPad Prism); administering examinations in other cities is still quite a bit of administrative work, given the size of the class – a streamlined process in the program that is the same for each of the courses would be welcome; the content/exams being a mixture of both Swedish and English is frustrating for some students (as last year) – each year this is a very polarizing subject; while group assignments are somewhat necessary for courses of this size, there were issues with group dynamics and communication that showed up this year at the end of the assignment

3. Övriga synpunkter

No additional points.

4. Kursansvarigs slutsatser och eventuella förslag till förändringar

(Om förändringar föreslås, ange vem som är ansvarig för att genomföra dessa och en tidsplan.)

Before the next course starts:

- More statistics practice and work on GraphPad Prism (kursansvarig)
- Have a plan in place for when groupwork does not go smoothly, ie, if a student is not part of a group and needs to get credit for the ethical permit assignment (kursansvarig, examiner).
 - Formalize that a shorter version of the ethical permit assignment can be submitted and presented by the individual student and that they must perform peer reviews and updates to their permit (as groups already do)
- For the ethical permit group assignment, mitigate group dynamics issues by having them decide on a project idea before the winter holidays – this encourages them decide on a topic ahead of time and figure out if there are issues within the groups before the end (kursansvarig, examiner).

During the course:

- As last offering, be explicit about the language the course will use for examinations but also for content and workshops (kursansvarig, examiner)
- Communicate with students about essential content to know/study for modules and examinations – workshop content is the best indicator (kursansvarig, lärare)
- Include a brief review of descriptive and applied statistics material during the statistics workshop – particularly a focus on choosing relevant statistical analyses depending on the data (kursansvarig, lärare)

Bilagor: 3BL001 HT24 kursvärdering