

MS-E2112 - Multivariate Statistical Analysis D, Lecture, 9.1.2023-21.4.2023

Grades

Sections

» General

» Lectures

» Assignments

Dashboard

Site home

Calendar

Learner Metrics

Teacher Metrics

MS-E2112 - Multivariate Statistical Analysis D, Lecture, 9.1.2023-21.4.2023

This course space end date is set to 21.04.2023

Search Courses: MS-E2112

?

Assignments

Forums

Resources

Syllabus

Dashboard / Courses / School of Science / department of... / ms-e2112 - mu... / Sections / Assignments

Assignments

Exercises

Participate to weekly exercises (group 1, group 2, group 3 OR group 4) - not compulsory, but highly recommended - max 3 points. If you attend 2-3 times, you get 1 point. If you attend 4-5 times, you get 2 points. If you attend at least 6 times (out of 11 times), you get 3 points.

In order to earn the exercise points, you have to arrive on time to the exercise session and write your name to the participation list. You can not get any exercise points without attending the exercises.

Exercise session 11 is reserved for the project work and for summarizing the contents of the course.

Attending all the exercise sessions, including the last one, is highly recommended.

Note that all the exercise classes are given on campus. There are no remote groups.

Homework

Solve the homework problems and be ready to present your solutions in the exercise group - not compulsory, but highly recommended - max 3 points. Note that your solution does not have to be perfect or even correct --- trying your very best is enough!

If you solve your homework assignments 2-3 times, you get 1 point. If you solve your homework assignments 4-5 times, you get 2 points. If you solve your homework assignments at least 6 times (out of 10 times), you get 3 points.

In order to earn the homework points, you have to arrive on time to the exercise session and write your name to the homework list. You can not get any homework points without attending the exercises.

The exercise points are valid until the end of November 2023.

Project Work

Submit your project work on time as one single pdf-file - THIS IS COMPULSORY - max 6 points

Find a multivariate (at least 3-variate) dataset (Statistics Finland (=Tilastokeskus), OECD, collect yourself, ...), set a research question, and perform multivariate analysis. Write a report (max 10 pages), and submit it below before **Friday 14.4.2023 at 12.00! Note that the deadline is at noon, not midnight!**

Note that the project work has to be conducted individually. Group work is not allowed.

Goals of the project work:

-Description of the research questions

-Description of the dataset

-Univariate and bivariate statistical analysis to present the variables

-Application of your chosen multivariate statistical methods to answer research questions (justification and output)

-Conclusions and answers to the question raised at the beginning

-Critical evaluation of the analysis

Remember that no findings is a finding!

Note that you will automatically get 0 points from the exam if you will not submit your project work on time!

About grading of the project work:

Maximum points are 6 and the 6 points are divided as follows.

Intro (description of the research question and of the data source or data collection) --- max 0.5 p.

Univariate analysis (description of the variables, summary statistics, visualization) --- max 1p.

Bivariate analysis (analysis of bivariate dependencies, visualization) --- max 1 p.

Multivariate analysis --- max 3 p. This is divided to selection of the method --- max 1 p.; technical implementation --- max 1 p.; and presenting the results/interpretation --- max 1 p.

Critical evaluations (report about possible sources of biases etc.) --- max 0.5 p.

If the report is not polished (blurry images, text in the marginal etc), that may lead to -1p.

Note that you don't have to attach any R-codes to your project work.

Latest announcements

Pauliina Ilmonen	9 May, 13:00
Exam feedback lecture on 26.5. at 9.15 in M233 (M2, Otakaari 1)	
Jaakko Pere	9 May, 12:10
Course grades	
Jaakko Pere	19 Apr, 17:50
Project grades	
Pauliina Ilmonen	12 Apr, 07:10
Project work deadline is on Friday this week at midday!	
Jaakko Pere	3 Apr, 09:34
Exercise points	

Older topics ...

Upcoming events

MyCourses maintenance, service out of use
Monday, 12 June, 10:00 » 17:00

Go to calendar...

ASSIGNMENT

Project work submission, Deadline 14.4. at 12.00 (midday)

FOLDER

R Markdown Template

FOLDER

Week 1

FOLDER

Week 2

FOLDER

Week 3

FOLDER

Week 4

FOLDER

Week 5

FOLDER

Week 6

FOLDER

Week 7

FOLDER

Week 8

FOLDER

Week 9

FOLDER

Week 10

Course home

Course home

Lectures

Previous section



Tuki / Support

Opiskelijoille / Students

- MyCourses instructions for students
- email: mycourses(at)aalto.fi

Opettajille / Teachers

- MyCourses help
- MyTeaching Support form

Palvelusta

- MyCourses rekisteriseloste
- Tietosuojailmoitus
- Palvelukuvaus
- Saavutettavuusseloste

About service

- MyCourses protection of privacy
- Privacy notice
- Service description
- Accessibility summary

Service

- MyCourses registerbeskrivning
- Dataskyddsmeddelande
- Beskrivning av tjänsten
- Sammanfattning av tillgängligheten

