

Statistics

University:	TalTech
Level:	BA all years
Teaching mode:	completely online, at specific time
Instructor(s):	Kaja Lutsoja, Jelena Matina

Short description

"Statistics" teaches you statistical thinking concepts that are essential for learning from data and communicating insights. By the end of the course, you will be able to perform exploratory data analysis, understand key principles of sampling, and select appropriate tests of significance for multiple contexts. You will gain the foundational skills that prepare you to pursue more advanced topics in statistical thinking and machine learning.

Full description

<https://moodle.taltech.ee/course/view.php?id=32257>

Learning outcomes

At the end of the course, the learner will be able to:

- use a number of methods and techniques for visualisation of data sets;
- give an account of the concept random variable and be able to use some common probability distributions;
- understand the meaning of the main statistical concepts;
- understand the statistics presented in the professional literature;
- perform statistical calculations in MS Excel and R
- use number of statistical methods to make conclusions and decisions.

General information

Contact hours per week:	4
Total workload:	156 (in student hours for the whole course)
ECTS credits:	6
Language:	English

Course start date: 30 January 2023
Course end date: 28 May 2023
Add. info about start date: The exact start date of the course will be specified later, at the moment the first day of the semester is given.

Weekly teaching day/time:

Time zone: CET +1 (Estonia, Israel)

Further information:

Prerequisites: Basics of computer applications

Activities and methods: Lectures, Seminars, Group work, Self-study, Practices, Exercises, Tutorial sessions

Presence on campus:

Final examination

Form: written

Date:

Location/format: online

Re-sit possibility: yes

Transcript available: end of semester

Add. info/requirements:

Registration

To register for this course, follow the registration requirements of your **home university** as specified here: www.euroteq.eu/courses-registration.

Administration

Number of places:

Minimum participants:

Internal course code: TES0020

Contact: kaja.lutsoja@taltech.ee

This course is part of the EuroTeQ Engineering University joint course catalogue 2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit www.euroteq.eu or get in touch with the above-mentioned point of contact.