

Statistics (Kristijan Breznik, Ph.D., Assist. Prof.)

Subject code: STAT

Academic year: 2.

Lectures: 30

Tutorials: 15

ECTS: 5

Aims of the course:

The students will learn about the basic mathematical statistics and probability calculus. They will learn analytical and structural approach to problem solving, which was partially acquired at the study subject Mathematics in the first study year. They will also be capable of interpreting results related to the purpose and content of the studied statistical phenomena. The focus will be on the development of skills and abilities to use the statistical knowledge in their professional field.

Subject content:

Basic concepts of descriptive statistics, data editing and displaying, mean values, measures of variability, probability calculus, random variables, some more important types of distribution, sampling, estimation of parameters, correlation and regression.

Teaching methods:

Lectures, tutorials

Study obligations:

written exam and presence at lectures and tutorials.

Literature

1. Jamnik R., Verjetnostni račun in statistika (*Probability Calculus and Statistics*), DMFA, Ljubljana, 1995.
2. Ferligoj A., Osnove statistike na prosojnicah, samozaložba (*Basics of Statistics in Transparencies*), Ljubljana, 1997.