

Biomedicínská statistika ve výuce studentů zubního lékařství LF UP v Olomouci

Biomedical statistics in dentistry training at the Faculty of Medicine and Dentistry, Palacký University in Olomouc

Langová K., Zapletalová J., Mazura J.

The presentation describes a new concept in teaching biomedical statistics in the subject “Dentistry Software”. This concept is based on an e-learning course newly created to teach the basics of biomedical statistics. The statistics module is one of seven modules making up the course. It consists of text materials, instructions for practical tutorials on computers and on-line knowledge tests. Practical tutorials focus on making frequency and contingency tables and various types of graphs, testing statistical hypotheses by Student’s t-tests and the chi-square test. The instructions for tutorials contain a number of model examples as well as examples for students to solve without assistance. All of these examples use data related to stomatology. For solving examples, statistical functions and tools in Microsoft Excel 2007 are used. This program was chosen as it is widely available to all students. The modules can be accessed at a new e-learning portal and a computer room has been equipped with new hardware for students to do so. This new system will be tested on 120 students in the course “Dentistry Software” in the summer term of year 3. Students can access the portal at www.stoma.upol.cz. Site access statistics is recorded. The portal lets the students register and personalise their account. It contains active elements (forums, chat), feedback functions (evaluation questionnaires, appending comments to modules) and so on. The portal aims to become a community centre enabling effective communication between students and teachers. This project is co-financed by the European Social Fund and the state budget of the Czech Republic.