

Ondřej Dedík: Statistical methods and programs used in research and teaching of the Faculty of Pharmacy

The Diploma Work is dedicated to problems of statistical methods and programs, which are used of Faculty of Pharmacy of Charles University in Hradec Králové.

The aim of the Diploma Work is description of the used programs and methods, illustration of standard examples and effort to be helpful to find optimal method of solution of critical places and inaccuracies found there. There is a CD enclosed in the work with the collection of standard examples for teaching.

The work is divided into four main chapters. The theoretical part is engaged in specifying basic concepts, theories of estimation, testing of hypotheses, evaluation of statistical dependence and planning of statistical investigation. Next chapter is devoted to description of using statistical programs, mainly MS-Excel nad QC-Expert 3.1. In the last but one chapter standard examples are mentioned and the last chapter contains recommendations, which are based on frequent mistakes and inaccuracies. The enclosed CD with examples will serve for teaching of Statistics on Faculty of Pharmacy UK HK.