Core Facility Computational Biostatistics

Statistical data analysis with SPSS for Life Science Researchers: Analysis of Variance and Regression analysis

This course is an introduction to statistical methods and statistical software in the field of Analysis of Variance and Regression analysis. On the basis of various practical examples, the participants learn to analyse and visualize data and how to interpret results. A main goal is to show participants the importance of quality control, assessing assumptions and ensuring adequate sample size. Upon successful completion of this course, participants will be familiar with the statistical methods covered in this two days and will be able to interpret statistical results. The participants will have the ability to choose the suitable statistical analysis method for different data sets.

Analysis of Variance (Day 1) : one-way ANOVA, factorial ANOVA, repeated measures ANOVA, MANOVA, ANCOVA, scientific presentation of results
Regression analysis (Day 2) : Pearson, Spearman, Partial correlations, simple linear regression, multiple linear regression, binary logistic regression, scientific presentation of results

Teaching and learning method: 20% lecture and 80% interactive
Languages of instruction: English or German
Target audience: PhD students, technicians and researchers
Entrance qualifications: SPSS basics course
Costs: 150 Euro (University)/ 300 Euro (Company) per day; Each day can be booked separately
DFP: 7 points per day, 14 points for two days
Registration: zmf-sekretariat@medunigraz.at (14 days in advance)
Lecturer: Katharina Eberhard, BA MA, Andrea Groselj-Strele, PhD

As the number of participants is limited (min. 3 and max. 8), please register early to confirm your seat! Registration is open til 14 days in advance.

March 16th 2020 (9am-4pm)
March 17th 2020 (9am-4pm)
ZMF Seminar Room EG-086

Contact: zmf-sekretariat@medunigraz.at
Phone: +43 (0)316 385-73001
Center for Medical Research
Address:Stiftungtalstrasse 24 A-8010 Graz
https://zmf.medunigraz.at