

## Core Facility Computational Bioanalytics

### Data management

In this workshop critical concepts and practical methods to support planning, collection and dissemination of data in clinical and medical research are presented. Participants learn how to structure their research data, how to merge different files, import and export data. Merging data, coding and labelling data in a meaningful manner is essential and provides the basis for later data analysis. Additional topics: Convert string variables to a numeric variables, convert categorical string variables to labeled numeric variables, create categorical variables from continuous variables, create a new variable that is calculated from other variables or create date variables.

Questions that are addressed in this workshop: What to do with missing values? How can I identify and remove duplicate observations? How to deal with outliers? How can I better structure my data in excel? How should I arrange my data file depending on my research design? What is important in the data collecting process? Do I have to consider the proposed statistical methods during the data management process?

**Teaching and learning method:** 20% lecture and 80% interactive

**Languages of instruction:** English or German

**Target audience:** PhD students, technicians and researchers

**Entrance qualifications:** no

**Costs:** free of charge

**Registration:** [zmf-sekretariat@medunigraz.at](mailto:zmf-sekretariat@medunigraz.at) (deadline: October 14<sup>th</sup> 2019)

As the number of participants is limited (min. 3 and max. 8), please register early to confirm your seat!

October 28<sup>th</sup> 2019 (1 pm – 3 pm)

**ZMF seminar room ground floor EG-086**

Contact: [zmf-sekretariat@medunigraz.at](mailto:zmf-sekretariat@medunigraz.at)  
Tel: +43 (0)316 385-73001

Center for Medical Research (ZMF)  
Stiftingtalstrasse 24, A-8010 Graz  
<https://zmf.medunigraz.at>