



Multidisciplinary Research Workshop – 17th March 2016

“Visualizing data and statistical models”

Supported by the Max Weber Program at the European University Institute

Speaker: Prof. Richard Traummüller (University of Frankfurt)

Description

Data visualization is one of the most powerful tools for detecting, understanding, and communicating patterns in quantitative data. In addition to the compelling presentation of statistical results, graphs can be used as analytic tools for various purposes and at various stages of the data analysis process. Visual methods can act as informal precursors to more complex models in the initial model-building process. But they are also useful for evaluating model fit and checking model assumptions, for selecting the best possible model, or as a substitute or complement to statistical models. At the same time, good data visualization is surprisingly difficult and demands three quite different skills: substantive knowledge, statistical skills, and artistic sense. The workshop is intended to introduce participants to the most important principles, useful methods, and new developments of data visualization in the social sciences.

Prof. Traummüller has held positions at the University of Konstanz, the University of Berne, the Mannheim Centre for European Social Research (MZES), and the University of Essex. He has taught courses on data visualization at these universities and has been invited to teach statistical visualization at the University of Geneva, the German Institute of Global and Area Studies (GIGA) as well as the Essex Summer School in Social Science Data Analysis. His work has appeared in *Comparative Political Studies*, *Comparative Politics*, *European Journal of Political Research*, *European Sociological Review*, and *Political Analysis*, amongst others.

Programme

10:00 am - 12:00 pm – Morning session

12:00 am - 13:30 pm – Lunch

13:30 am - 15:30 pm – Afternoon session I

15:30 am - 16:00 pm – Coffee break

16:00 am - 18:00 pm – Afternoon session II