P C Q R

Potsdam Center for
Quantitative Research

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Workshop
Ado-file programming

Lecturer	**Date an Time**	**Venue**
Prof. Dr. Ulrich Kohler	6 October 2016	University of Potsdam
(University of Potsdam)	09:15 – 17:45	Campus Griebnitzsee
		House 7, Seminar Room 144

About

The workshop covers two types of Stata programming: Do-file programming and Ado-file programming. It starts by presenting programming tools such as local macros, extended macro functions, inline macro expansion, loops, and branches and gives examples of their use in everyday data analysis. The second part of the course explains the nuts and bolts of defining a "program" in Stata. Finally, the course provides a step-by-step tutorial for implementing a user-written command into Stata ("Ado-File").

- Advanced do-file programming
  - Local macros and extended macro functions
  - Advanced looping with `foreach` and `forvalues`
- Ado-file programming
  - Program definition (`program`)
  - Parsing user input to programs (`syntax`, `gettoken`)
  - Step-by-step example(s)

Prerequisites

Participants should be already familiar with Stata. They should know how to start a do-file from the command line. Moreover, command of the data-manipulation tools `generate` and `replace`, basic data-analysis tools such as `tabulate`, `summarize`, and `regress`, and some experience with `graph` are absolutely necessary prerequisites.

Registration

The maximal number of participants will be 20. Please register by writing an E-Mail to sek-lmes@uni-potsdam.de. Students and researchers from all Universities in Brandenburg and Berlin are welcome, but PCQR members and their staff take precendence.