

SOEPcampus

Applied Panel Data Analysis with the Socio-Economic Panel

Overview

The SOEPcampus two-day workshop provides a practical introduction to applied panel data analysis using the German Socio-Economic Panel (SOEP), a rich household panel collected annually since 1984. Participants will gain practical knowledge of SOEP's contents, data structures, sampling methods, and weighting procedures. The workshop further introduces estimation strategies suitable for panel data with different units of analysis, such as households, individuals, and dyads.

Aim of the Workshop

This hands-on workshop aims to equip participants with essential skills for working with household panel data, emphasizing practical applications and analytical techniques with SOEP. By the end of the course, attendees will be able to structure longitudinal datasets, understand sample designs, apply weights, and conducting preliminary panel data analyses.

Workshop Contents

Day 1: Introduction to SOEP Data

- **Session 1 (Lecture):**
 - Introduction to SOEP content and structure
 - Documentation and online support
- **Session 2 (Tutorial and Hands-on):**
 - From raw SOEP data to structured longitudinal datasets
 - Data management strategies
 - Descriptive analyses

Day 2: Practical Applications and Analysis

- **Session 3 (Lecture):**
 - Analytical potentials of household panel data
 - Introduction to causal interpretation with panel data
- **Session 4 (Tutorial and Hands-on):**
 - Hands-on exercises on panel data analysis
 - Interpreting and presenting results

Requirements

- Basic knowledge of R or Stata
- Familiarity with basic data analysis, such as descriptive statistics and regression analysis

Contact

For inquiries, please contact Cristóbal Moya (cmoya@diw.de).