

Stata Course Curriculum (4 Weeks)

Week 1: Getting Started with Stata

- What is Stata? Overview and features
- Navigating the Stata interface
- Loading and browsing datasets
- Variable types and labeling
- Saving files and using the Do-file editor

Week 2: Data Management

- Importing data from Excel, CSV
- Cleaning and transforming data
- Generating and recoding variables
- Sorting, filtering, and summarizing data
- Merging and appending datasets

Week 3: Statistical Analysis

- Descriptive statistics and tabulations
- Running t-tests and chi-square tests
- Linear regression and correlation
- Using commands and interpreting output
- Checking assumptions and fit

Week 4: Reporting and Visualization

- Creating charts and graphs
- Exporting results to Word and PDF
- Using log files and reproducibility
- Mini-project: analyzing a dataset
- Wrap-up and real-world use cases