

AGENDA

Applied Research and Mentoring

The World Bank Group in Tunisia is offering a **Training and Mentoring Course in Applied Research** from **November 2024 to February 2025**, as part of the [Tunisia Data Literacy Program](#). This hybrid course (online and face-to-face) aims to strengthen skills in applied quantitative research and support participants in their research projects.

STATA CRASH COURSE

ENA – Ecole Nationale Administration de Tunis
December 5-6 and 12-13, 2024

Learning objectives

By the end of this course, participants will be able to open a dataset, clean the data, show descriptive statistics, run basic econometric models, and plot and interpret the results using STATA.

Materials

Essential: lecture notes and slides to be provided.

Further resources: <https://www.stata.com/links/resources-for-learning-stata/>

THURSDAY 5

**14:00–16.30**
Introduction to STATA

- What it is designed for
- Command syntax

Do files, log files, and dta

- The Help function
- Basic commands for datasets

Loading and saving datasets
Merging and appending datasets

- Data Management

Types of variables
Generating and recording variables
Dealing with labels

FRIDAY 6

**09:00–10:30**
Data Inspection 1/2

- Basic commands for inspection
- Summarize, tabulate, list, sort

**10:30–11:00**
Break**11:00–12:30**
Data Inspection 2/2

- The option by
- Loops

**12:30–13.30**
Lunch**13:30–15:30**
Making graphs

- Histograms
- Scatter and line graphs
- Combining graphs

APPLIED RESEARCH COURSE

ENA – Ecole Nationale Administration de Tunis
December 9-10-11, 2024

MONDAY 9

08.30–09.00 Registrations and Welcome	12.30–13.30 Lunch
09.00–10.30 Lecture 1. Introduction to causal analysis: the experimental ideal and the implementation of field experiments	13.30–15.00 Lecture 3. Causality and observational data: Instrumental variables
10.30–11.00 Break	15.00–16.30 Open Office hours. Please book a slot to discuss today's content, your project, or simply your research ideas and constraints.
11.00–12.30 Lecture 2. Regression Recap	

TUESDAY 10

08.30–09.00 Registrations and Welcome	12.30–13.30 Lunch
09.00–10.30 Lecture 4. Panel Data	13.30–15.00 Lecture 6: Writing and Publishing your work in international peer reviewed journals
10.30–11.00 Break	15.00–16.30 Open Office hours. Please book a slot to discuss today's content, your project, or simply your research ideas and constraints.
11.00–12.30 Lecture 5: Regression Discontinuity and Synthetic Control	

WEDNESDAY 11

08.30–09.00 Registrations and Welcome	10.30–11.00 Break
09.00–10.30 Lecture 7: Applications in the economics of climate change	11.00–12.30 Final Recap and next steps

TRAINERS:

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THURSDAY 12

09.00–10.30 Descriptive Statistics	12.30–13.30 Lunch
10.30–11.00 Break	13.30–15.30 Plotting results
11.00–12.30 Cross-sectional linear models (OLS and probit)	

FRIDAY 13

09.00–10.30 Panel data analysis (descriptives and OLS)	12.30–13.30 Lunch
10.30–11.00 Break	13.30–15.30 Heterogeneous effects and plotting results
11.00–12.30 Instrumental variables	