

Introducing Stata

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ITAM

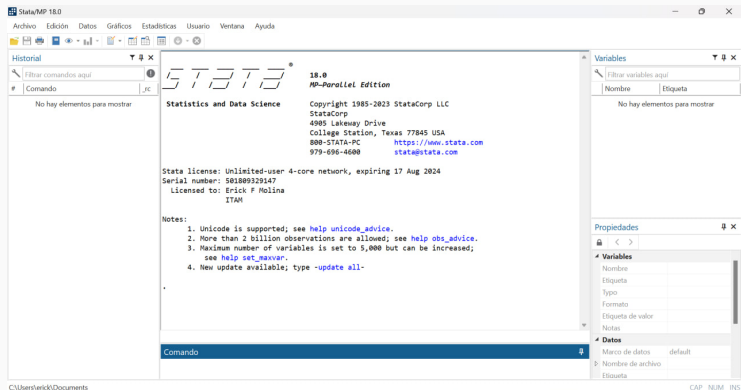
Introduction to Stata

What is Stata?

- It is a statistical analysis program that makes it possible to handle datasets with many observations.
- It comes from biostatistics, but it is used a lot in surveys.
- It has a window-based system; that is, you have to switch between code and results.
- Its programming is simple and it allows for more reproducibility.

The Stata Interface

Figure 1: Stata Interface



- **Results window:** Displays results as commands are executed.
- **Commands:** Lets you type commands that run and display in the Results window when you press Enter.
- **History:** Saves the history of commands executed since the Stata session started. Some commands can be repeated from here.
- **Variables window:** Shows the variables in the dataset that is currently loaded.

File types that Stata supports

- .xlsx - Microsoft Excel workbooks.
- .csv - Comma-separated values.
- .dta - Stata dataset file.
- .do - Stata script file; contains commands.

Calculator exercise in Stata: Type in the Command window:

- $2 + 2$

Calculator exercise in Stata: Type in the Command window:

- `2 + 2` An error should appear.
- `display 2 + 2.`
- `di 2 + 2.`
- `di sqrt(3)`

- For Stata to execute an action, it is necessary to type a command.
- Unlike R, in Stata we cannot store numbers in the same way. However, there are other ways.