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This is a guide for formatting **Stata** output using **emacs**. The desired output is a PDF that clearly shows the commands run in **Stata**, along with the output from those commands. We'll be using **Emacs org-babel** to run code inside **.org** files. This makes it possible to re-run analyses, and also add nicely formatted prose to the same file.

## 1 Dependencies

Program	My Version	Free
Stata	15	No
Emacs	28.0.50 GNU Emacs	Yes
Latex	pdfTeX 3.14159265-2.6-1.40.21	Yes
Git	2.27.0	Yes
Homebrew		Yes

This guide is specifically for **Stata .do** files—much of the information here will work for other languages that are supported by **org-babel** and **emacs-ESS**, but some of the export options may be different. You will need a working version of **Stata** with a license; I have **Stata 15** and I assume that newer versions will be backwards-compatible, but I'm not sure about older versions. You will need a local copy of **Stata**; this approach will not work with a remote copy on a university's servers.

You will also need a version of **Emacs**; I'm using the development version 28, but this should work for versions 24 or higher. You will also need a latex distribution to compile the final document.

## 2 Setting up Emacs

This guide assumes you have never used **Emacs**, but have working installs of both **latex** and **Stata**. We will also be using **Homebrew**; if you don't have **Homebrew** installed and want to learn more, please visit <https://brew.sh/> and follow the installation instructions. I will also include installation instructions in this guide, so you can just run the command I list. The next step is to open a terminal. It's okay if you haven't used the terminal before; I'll list all the commands you'll need to run—you can just copy and paste them into the terminal. To launch the **Terminal** app on Mac, use the system tray to navigate to **Apps > Utilites > Terminal** and open **Terminal**.

### 2.1 Install Homebrew

If you don't have **Homebrew** installed, copy the following command into your terminal and run it.

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install.sh)"
```

### 2.2 Install git

If you don't have **git** installed, run **brew install git** from your terminal. If you already have **git** installed, you will get a message to that effect. You can also check directly by running **which git** you get a filepath as output, that means that you already have **git** installed.

### 2.3 Install Emacs

```
brew install emacs
```