# EOSEO9 Regiaonl Economics: Stata Lab 1 Mapping Growth

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### Purpose

One goal of this course is to teach students how to identify a good map – one which is clear, informative and attractive – and familiarise students with the commands which allow the creation of these maps in Stata.

In addition, your lab paper (**due March 3rd**) requires that you include at least 6 maps, so it is worth concentrating in the labs and making use of these resources.

This document is intended to allow you to keep up with the Stata Lab 1 that we will work through in class.

It will include the commands the we use and the output, as well as some hints and tips that will be useful during your projects, I hope.

### Getting started

Given that you have encountered Stata previously in your studies, I will not spend undue time explaining the basics. If you want to brush up on Stata's syntax, I reccomend having a look at these slides from Oscar Torres-Reyna, or this set of Youtube videos From Sebastian Wai.

### Install additional programs and set-up

First we need to install the packages in Stata that we will make use of. Please do this before our lab session in order to save time.

We use the `ssc install` command, as follows:

```
ssc install spmap, replace
ssc install geo2xy, replace
ssc install shp2dta, replace
ssc install schemepack, replace
ssc install scheme-burd, replace
ssc install colrspace, replace
ssc install palettes, replace
ssc install egenmore, replace
ssc install outreg2, replace
```

> **Note**
>
> To run do-files click the "run-button" or highlight the lines of code and hit ctrl + D (Windows) or shift + cmd + D (Mac)

Running the command should produce output in the console that looks like this:

```
. ssc install geo2xy, replace
  checking geo2xy consistency and verifying not already installed...
  installing into c:\ado\plus\... installation complete.
  ...
```

> always comment your code
>
> In Stata you can comment your code in one line
> `// like so`
> Or if you want to write a longer string
> `/*You can put your longer string of text inside a set of slashes and stars*/`

### Setting a directory

It is useful to put all of your work inside a specific file directory. This way, Stata knows where to look for your files and where to save output, like regression tables.

The path to my folder where I have the files for this lab is: