

SOC 4650/5650: Week 12 Stata Quick Reference

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shp2dta

Installation

```
ssc install shp2dta
```

Shapefile Conversion

```
shp2dta using shapefile, database(dataFile) coordinates(coordFile)  
genid(id)1
```

¹ This is *one* line of code!

Table Join

```
merge 1:1 keyVar using usingData.dta2
```

² Remember that the **using data** is the dataset that is *not* in Stata's memory. The keyVar should have the same name and storage in both .dta files.

Plots

Bar Charts

```
graph bar (count), over(varname)  
graph hbar (count), over(varname)
```

Histogram with Bins Altered

```
histogram varname, frequency bin(binNumber)
```

Box Plots

```
graph box varname  
graph hbox varname
```

Graph Options

```
title("titleText")  
subtitle("subtitleText")  
note("noteText")  
scheme(schemeName)
```

Exporting Plots

graph export "filename" [, width(val) height(val) replace]³

³ Be sure to include the file extension in your filename - I recommend using **.png files**. I also recommend generating images that are 800 pixels wide by 600 pixels high. Finally, you need to export after each graph is created.