Quantitative Methods in Political Science Recitation

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Getting Started

- Open up your do file from last week (you should have saved it somewhere accessible or sent it to yourself)
- Again make sure the dataset you are using is on the desktop along with your do file
- This week you will need to finish up whatever you did not get done from week 1 and get started on week 2 questions
 - Remember if you cannot remember specific commands or how to do something, look at old slides that I have posted or the do file I made with all the commands we learned this semester

Do file

```
mquestion for creating some descriptive graphs
histogram cgexp, title(Histogram of Central Government Expenditures)
*creates histogram of cgexp...
siciolololololok

    Note that you are working on week 2 questions.

*Week 2*
sininininininini
*Ouestion 2: Correlation Coefficient
corr cdexp lvp
*The correlation coefficient is...
*The relationship is strong (moderate, weak, etc.)
*Question 3: Regression Equation
*vhat = a + bx
*v = a + bx + e
*Question 4: Regression
regress cgexp lyp
*The intercept is...
*The slope is...
*The number of observations is...
*The R-squared is...
*Ouestion 5: Estimated regression line
*cqexp hat = 23.33 + 0.41x
*cqexp = 23.33 + 0.41x + e
*Ouestion 6: Interpretation of slope and the R-squared
*For each [unit] increase in [x], v is expected to [increase/decrease] on average by [the slope].
*So [XXX] % of the variability in v is explained by x (or by the model).
*Ouestion 7: Scatterplot
twoway (scatter cgexp lyp) (lfit cgexp lyp), title(Scatterplot) vtitle(Government Expenditure) xtitle(Per Capita Real GDP)
*creates a scatterplot of government expenditure and natural log of per capita real GDP
log close
```

Do file

```
TOUGSELON TO CICUCING SOME GESCLEDELYS GLODINS
histogram cgexp, title(Histogram of Central Government Expenditures)
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skolokokokokok
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*Question 3: Regression Equation
                                                                            Answer the questions. Make sure you note which
*vhat = a + bx
                                                                            question you are working on, the code in Stata you
*v = a + bx + e
                                                                            used to get the answer and, of course, the answer!
*Question 4: Regression
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*creates a scatterplot of government expenditure and natural log of per capita real GDP
                                         Make sure you have "log close" at the end, this will replace any existing log files
log close
```

Last thing

- Remember at the end save your do file and re-run everything
- Your new log file with everything you did today will automatically be saved to the desktop under your surname
- Upload to NYU classes
- E-mail everything to yourself!