log using "Lab Notes 7", replace text

\*\*\*Today we are going to learn about plotting marginal effects, using///

\*\*\*interaction effects, and then we are going to put it all together\*\*\*

spex anes\_timeseries\_cdf

\*\*\*Of course, we need to begin by recoding the variables\*\*\*\*

\*\*\*For simplicity's sake, we will continue to use variables with///

\*\*\*which we are familiar\*\*\*

tab VCF0104

gen female=.

replace female=1 if VCF0104==2

replace female=0 if VCF0104==1

label var female "Female"

tab VCF0110

recode VCF0110 0=.

rename VCF0110 education

label var education "Education"

tab VCF0213

recode VCF0213 98=.

recode VCF0213 99=.

rename VCF0213 Military\_ft

label var Military\_ft "Feelings About Military"

tab VCF0803

rename VCF0803 ideology

label var ideology "Ideology"

\*\*\*Now we must run a regression\*\*\*

\*\*\*Don't forget to specify what type of variables you are using with i. and c.\*\*\*

reg Military\_ft female ideology education

\*\*\*Remember we learned how to find the marginal effects\*\*\*

margins, at(ideology=(1(1)7))

marginsplot

\*\*\*Now we are going to do an interaction\*\*\*

\*\*\*We will do a dichotomous by categorical interaction\*\*\*

\*\*\*The syntax is reg depvar interactionterm1##interactionterm2 indvar\*\*\*

reg Military\_ft female##education ideology

\*\*\*Now back to the margins command\*\*\*

\*\*\*For an interaction, just type margins interterm1#interterm2\*\*\*

\*\*\*Note only one #\*\*\*

margins i.female#i.education, atmeans

marginsplot

\*\*\*Now lets talk about other post-estimation commands\*\*\*

reg Military\_ft female##education ideology

margins, dydx(female) at(education=(1(1)4)) asbalanced vsquish

marginsplot

\*\*Now to make publication-worthy tables. To do this, we first quietly regress//

\*\*the models and then we name the models and then we execute the models by//

\*\*typing that we want to see the results of those models displayed.

qui reg Military\_ft female education ideology

qui eststo model1

qui reg Military\_ft female education

qui eststo model2

esttab model1 model2, nonumber