Some more handy STATA commands:

Using egen:

egen xbar = mean(xvar)

egen x90 = pctile(xvar), p(90)

egen meangdp = rowmean(gdp1980 gdp1990 gdp2000)

egen meangdpLatAM = rowmean(gdp1980 gdp1990 gdp2000) if LatAm==1

Using STATA to calculate stuff:

display 2\*2

display 1-chi2(2, 12)

display \_N\*4 /\*Multiplies number of observations by 4\*/

Some post estimation commands:

reg yvar xvar1 xvar2 if state==13, robust

gen betahat1 = \_b[xvar1] /\*Makes a new variable equal to the coefficient on xvar1 for ALL obs\*/

display e(r2) /\*Displays R2\*/

gen rsquared = e(r2) /\*Makes a new var for all obs with the value of the R2\*/

predict u, resid /\* Calculates residuals for each observation\*/

test xvar1=xvar2 /\*Test that the coefficients on xvar1 and xvar2 are eqal\*/

estat vif /\*Calculates variance inflation factors\*/

Common approaches to repetitive commands:

* Use a loop

 foreach v of varlist xvar1-xvar12 {

 replace `v’ = . if `v’==99

 }

foreach v of numlist 1/3 5 7/10 {

 …. `v’ . …..

}

* Use macros

 global xvars “age age2 male south”

 reg yvar $xvars

 reg yvar $xvars north west

 reg yvar $xvars white black hispanic

* Write a program you call within a file—see examples in “another stata example.do”

(most useful when your repetitive commands are specific to your do file)

* Write a separate do file or ado file

(most useful if you will want to use those commands on many different occasions)

For programming, see the section in the User’s guide to get started. Also is a whole other Programming manual.

For matrix operations, se MATA manual.