

Stata Commands

1. **tsset year:** tells data is Time Series.

2. **sum y x1 x2:** summarize the variables shows the observations, mean, standard deviation, min, and max

```
. sum y x1 x2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
y	42	4.95e+12	2.66e+12	1.44e+12	1.02e+13
x1	42	1.43e+07	2.53e+07	540000	1.13e+08
x2	42	3.77e+07	2.36e+07	3250000	1.02e+08

3. **sum y x1 x2, detail:** summarize in the detail, show the summary, and also the percentiles, kurtosis, skewness, and variance of the data.

```
. sum y x1 x2, detail
```

Percentiles			Smallest	
1%	1.44e+12	1.44e+12		
5%	1.59e+12	1.59e+12		
10%	1.74e+12	1.59e+12	Obs	42
25%	2.58e+12	1.66e+12	Sum of Wgt.	42
50%	4.70e+12		Mean	4.95e+12
			Largest	
75%	6.69e+12	9.15e+12	Std. Dev.	2.66e+12
90%	9.01e+12	9.40e+12	Variance	7.05e+24
95%	9.40e+12	9.73e+12	Skewness	.4072079
99%	1.02e+13	1.02e+13	Kurtosis	1.976346

4. **gen lny=log(y):** this command is used to make values small, by taking log, and then again summarize them. **sum lny lnx1 lnx2:** this will show the small values as compare then previous.