

Stata Recitation

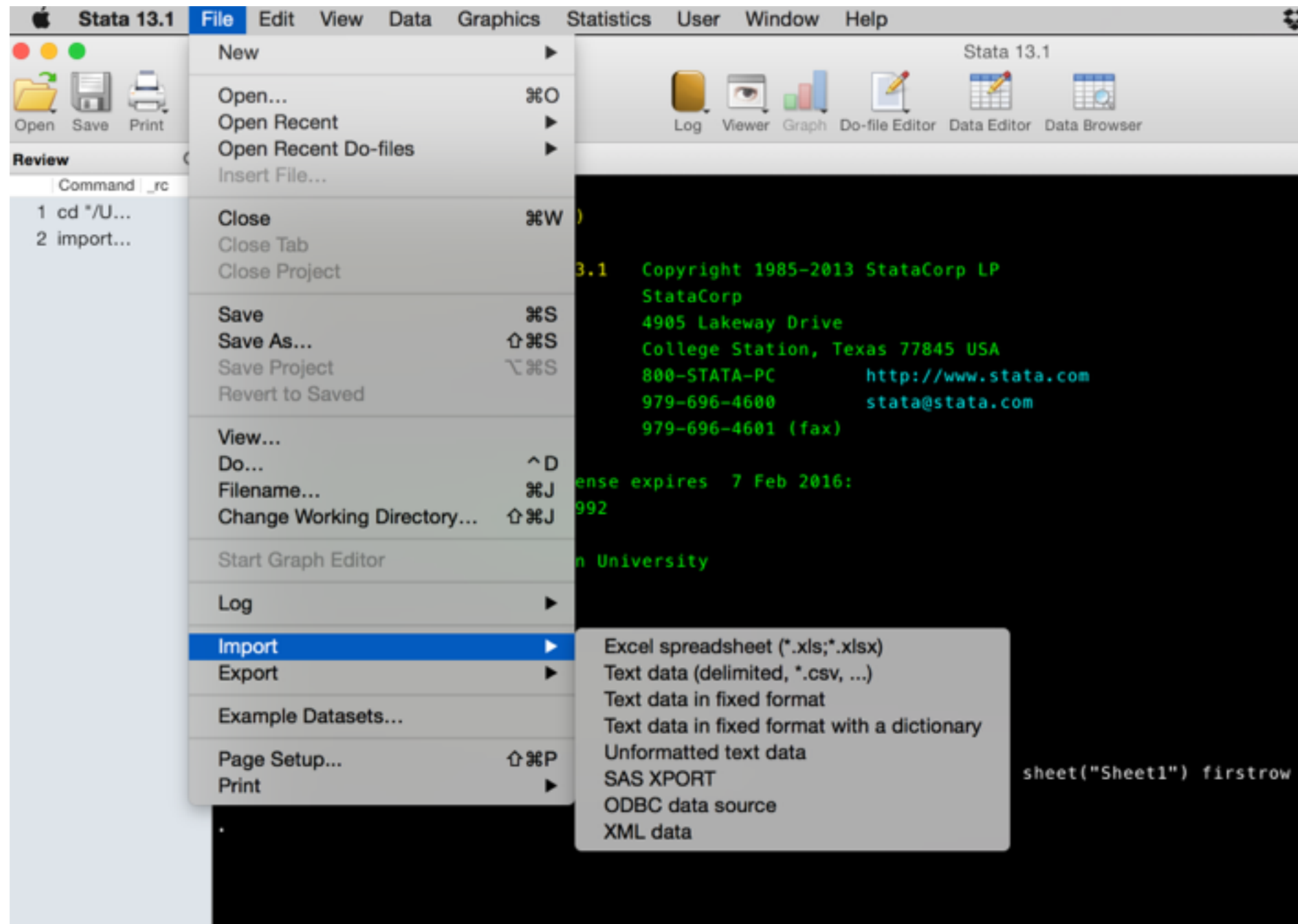
Project 2 Week 1

McCourt School of Public Policy

Key Ideas

- Import excel data into Stata
- Categorical variables: analysis, graphing, and data management

Import Excel



Import Excel

Excel file:
/Users/huadehuo/Downloads/EADA 2013-2014/Schools.xlsx Browse...

Worksheet:
Sheet1 A1:DX17135

Cell range:
A1:DX17135

☒ Import first row as variable names
☐ Import all data as strings

Variable case: preserve

Preview: (showing rows 2-51 of 17135)

	unitid	institution_name	addr1_txt	addc
2	100654	Alabama A & M University	4900 Meridian Street	
3	100654	Alabama A & M University	4900 Meridian Street	
4	100654	Alabama A & M University	4900 Meridian Street	
5	100654	Alabama A & M University	4900 Meridian Street	
6	100654	Alabama A & M University	4900 Meridian Street	
7	100654	Alabama A & M University	4900 Meridian Street	
8	100654	Alabama A & M University	4900 Meridian Street	
9	100654	Alabama A & M University	4900 Meridian Street	
10	100654	Alabama A & M University	4900 Meridian Street	
11	100654	Alabama A & M University	4900 Meridian Street	

Cancel OK

- `import excel "Schools.xlsx", sheet("Sheet1") firstrow`

Factor variables

```
. reg TOTAL_EXPENSE_ALL i.schoolsize
```

Source	SS	df	MS	Number of obs = 17134			
Model	3.9708e+15	2	1.9854e+15	F(2, 17131) = 608.36			
Residual	5.5906e+16	17131	3.2635e+12	Prob > F = 0.0000			
Total	5.9877e+16	17133	3.4948e+12	R-squared = 0.0663			
				Adj R-squared = 0.0662			
				Root MSE = 1.8e+06			

TOTAL_EXPE~L	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
schoolsize						
2	125031	40751.92	3.07	0.002	45153.04	204908.9
3	1149434	44302.51	25.95	0.000	1062597	1236271
_cons	188483.7	36334.16	5.19	0.000	117265	259702.4

regress, coeflegend

```
. regress, coeflegend
```

Source	SS	df	MS	Number of obs =	17134
Model	3.9708e+15	2	1.9854e+15	F(2, 17131) =	608.36
Residual	5.5906e+16	17131	3.2635e+12	Prob > F =	0.0000
Total	5.9877e+16	17133	3.4948e+12	R-squared =	0.0663
				Adj R-squared =	0.0662
				Root MSE =	1.8e+06

TOTAL_EXPE~L	Coef.	Legend
schoolsize		
2	125031	_b[2.schoolsize]
3	1149434	_b[3.schoolsize]
_cons	188483.7	_b[_cons]

Factor variable w/ Test

```
. * test i.schoolsize - test does not recognize i notation

. test 2.schoolsize 3.schoolsize

( 1)  2.schoolsize = 0
( 2)  3.schoolsize = 0

      F(  2, 17131) =  608.36
      Prob > F =    0.0000

. testparm i.schoolsize

( 1)  2.schoolsize = 0
( 2)  3.schoolsize = 0

      F(  2, 17131) =  608.36
      Prob > F =    0.0000
```

encode

Mac OS window title: Data Editor (Browse)

Buttons: Edit, Browse, Filter, Variables, Properties, Snapshots

	sector_name	sectorid	
1	Public, 4-year or above	Public, 4-year or above	
2	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
3	Public, 4-year or above	Public, 4-year or above	
4	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
5	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
6	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
7	Public, 2-year	Public, 2-year	
8	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
9	Public, 4-year or above	Public, 4-year or above	
10	Public, 2-year	Public, 2-year	
11	Public, 4-year or above	Public, 4-year or above	
12	Public, 2-year	Public, 2-year	
13	Public, 4-year or above	Public, 4-year or above	
14	Public, 4-year or above	Public, 4-year or above	
15	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
16	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
17	Public, 2-year	Public, 2-year	
18	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
19	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
20	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
21	Private nonprofit, 4-year or above	Private nonprofit, 4-year or above	
22	Private for-profit, 4-year or above	Private for-profit, 4-year or above	
23	Public, 4-year or above	Public, 4-year or above	

Sign-in Link

- goo.gl/xwXwGc