

```

1 *****Name: Imisi Raphael Aiyetan*****
2 *****Course: Econometrics 512*****
3
4 ***** Let's clear the workplace*****
5 clear all
6 set more off
7
8 ***** We import the data from Download folder*****
9
10 use "/Users/imisiaaiyetan/Downloads/midterm-1.dta"
11
12 ***** We define the regression estimation in the next line of
13 code*****
14 reg dayssmklm17 pct_insclnxtyr mhighgrad msomcol fhighgrad fsomcol
15 parincome afqt, vce(robust)
16
17 ***We define the bootstrapping exercise of the regression
18 estimation in the next line of code***
19
20 bs, reps(1000) seed(12345) size(500) saving(bsauto1, replace): reg
21 dayssmklm17 pct_insclnxtyr mhighgrad msomcol fhighgrad fsomcol
22 parincome afqt, vce(robust)
23
24 ***** In the next line of code we define the IV estimation*****
25
26 ivregress gmm dayssmklm17 ctuition17 mhighgrad msomcol fhighgrad
27 fsomcol parincome afqt, vce(robust)
28
29 ***We define the bootstrapping exercise of the IV estimation in the
30 next line of code***
31
32 bs, reps(1000) seed(12345) size (500) saving(bsauto2, replace):
33 ivregress gmm dayssmklm17 ctuition17 mhighgrad msomcol fhighgrad
34 fsomcol parincome afqt, vce(robust)
35
36 **** In the next line of code we carry out sensitivity analysis on
37 the instrument****
38
39 use bsauto1, replace
40
41 mean _b_pct_insclnxtyr
42
43 use bsauto2, replace
44
45 mean _b_ctuition17
46
47

```