

```
1
2 * Question1
3 * 1- Describe data
4 describe
5
6 * provide summary statistics
7 summarize
8
9 * Note the missing values for educ, sibs, meduc, feduc
10 count if missing(educ)
11 count if missing(sibs)
12 count if missing(meduc)
13 count if missing(feduc)
14
15 * 1.A. basic summary statistics for educ, sibs, meduc, and feduc
16 for
17 * non-missing observations of meduc and feduc.
18 sum educ sibs meduc feduc if meduc ~=. & feduc ~=.
19
20 * 1.B Estimate a linear regression of educ on sibs, meduc, and feduc
21 regress educ sibs meduc feduc
22
23 * 1.G Construct the 99% confidence interval for each of the
24 population
25 coefficients associated with the explanatory variables: sibs,
26 meduc, and feduc.
27 regress educ sibs meduc feduc, level(99)
28
29 * 1.H. Test the joint significance of sibs, meduc and feduc.
30 test sibs meduc feduc
31
32 * 1.I. Test the joint significance of meduc and feduc.
33 test meduc feduc
34
35 *****
36
37 *Question 2
38
39 * 2 provide des and detail of data
40 des,detail
41
42 * 2.1 define the set of variables called A
43 global A ltrade ldist lrgdp lrgdppc comlang border regional landl
44 island lareap comcol curcol colony comctry
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45
46 * 2.2 restricting data to year 1997 from now on
47 * 2.A. obtain summary statistics for variable set A
48 summarize $A if year == 1997
49
50 * 2.B restricting data to non missing of lrgdp set A
51 summarize $A if lrgdp !=. & year ==1997
52
53 * 2.C obtain summary statistics for non missing lrgdp set A by
54   currency union
55   by custrict, sort : summarize $A if lrgdp !=. & year ==1997
56
57 * 2.E Run OLS regression of "Log real trade" on the explanatory
58   variables identified in Table 2
59   reg ltrade custrict ldist lrgdp lrgdppc comlang border regional
60   landl island lareap comcol colony if year == 1997
61
62 * provide results of 2.E in outreg2 command
63   outreg2 using resultsltrade, word
64   ssc install outreg2
```