

Problem set 11, due Monday 11/30/2015

1. Get the data

- a) Go to <https://www.openintro.org/stat/extras.php>
- b) Download the “100 data sets”, and extract the files.

2. Predictors of personal income

- a) Open the “census” data set in Stata. Regress total personal income on the following variables:
 - i) age
 - ii) age squared
 - iii) male (1 if male, 0 otherwise)
 - iv) white (1 if white, 0 otherwise)
 - v) married male (1 if married and male, 0 otherwise)
 - vi) married female (1 if married and female, 0 otherwise)
- b) In words, write briefly what your results mean.

3. Predictors of the poverty rate

- a) Open the “countyComplete” data set in Stata. Regress the poverty rate on the following variables:
 - i) population density
 - ii) percentage of housing in multi-unit structures
 - iii) percent of population that is white
 - iv) percent of population that is foreign born
 - v) percent of population that are veterans
 - vi) percent of population over 65
 - vii) percent of population under 5
 - viii) federal spending
- b) In words, write briefly what your results mean.

4. Submit your assignment

Submit your assignment by e-mail *before class* on Monday, 11/30. In the text of your e-mail, include your regression output tables from Stata, and the interpretation of your results.