

Multiple Regression: Lab Submission page

Secretary: _____

Others: _____

- Using regmulti-lab.sav, find the parameters to predict R's level of education with five possible independent variables:
 - Their father's level of education
 - Their mother's level of education
 - The number of siblings the respondent has
 - The age of the respondent
 - The respondent's age when they first married
- Write the equation, using all of the intercepts and slopes.

- With which variables is education inversely proportional (that is, when they go up, predicted education goes down)?

- For which variable(s) is the probability too high that the slope differs from zero only due to sampling error?

- Re-run the regression using only those variables whose coefficients are significant ($p < .05$).
- Rewrite the equation using only those (*new!*) coefficients.

- Using this second equation, what level of education do we predict for a respondent with 2 siblings, born to a mother who got 16 years of education and a father who got 20 got married at 23, and is now 29 years old?