Chapter 6-1 Practice

Jim Bang

College GPAs

Estimate the following models using the gpa2 dataset:

College
$$GPA = \beta_0 + \beta_1 Athlete + \beta_2 Female + \beta_3 HS \ Size + \beta_4 HS \ Size^2 + \beta_5 HS \ Percentile + \beta_6 SAT + \beta_7 Nonwhite : (gpa.lm1)$$

College
$$GPA = \beta_0 + \beta_1 Athlete + \beta_2 Female + \beta_3 HS \ Size + \beta_4 HS \ Size^2 + \beta_5 HS \ Percentile + \beta_6 SAT + \beta_7 Nonwhite + \beta_1 Athlete \times Female : (gpa.lm1)$$

College
$$GPA = \beta_0 + \beta_1 Athlete + \beta_2 Female + \beta_3 HS \ Size + \beta_4 HS \ Size^2 + \beta_5 HS \ Percentile + \beta_6 SAT + \beta_7 Nonwhite + \beta_1 Athlete \times HS \ Percentile : (gpa.lm1)$$

Present your results side-by-side using stargazer().

Demand for Eco-Friendly Apples

Estimate the following model using the apple dataset:

$$Buy \ Eco-Freindly = \beta_0 + \beta_1 Price_{Eco} + \beta_2 Price_{Reg} + \beta_3 Income + \beta_4 HH \ Size + \beta_5 Education + \beta_6 Age + u + \beta_6 Income + \beta_6 Income$$

Summarize this estimation using the *summary*() function.

Interpret the coefficient on the price of eco-friendly apples.