

Section Week 8

The Background Survey data sample contains four variables `iv_weekend_safety_fee`, `job`, `non_response`, and `gender`. `Gender` is a variable equal to 1 for females and to 0 for males. `Job` is variable equal to 1 for students who have a job and to 0 for students who do not. `IV_weekend_safety_fee` is a variable equal to 1 for students in favor of increasing tuition fees by 50 dollars to implement new security measures and ensure Isla Vista (IV) is safer during weekends, and to 0 for students against that idea. `Non_response` is a variable equal to 1 for students who said they would not have answered the survey if answering had not been worth 3% of the final grade, while this variable is equal to 0 for students who said they would still have answered.

1. Run a regression predicting if a student will support the fee on a constant, `job`, and `gender` for students who would have answered the survey even if it was not worth 3% of the final grade.
2. For the entire sample, use the regression results to create a variable equal to the predicted response to the safety fee question.
3. Create a variable equal to the squared prediction error according to this regression for the entire sample.