

Lab 5 assignment

1. Run a logistic regression on each of the following data (urban and rural) sets using a single predictor (IV) called High School GPA (*HSgpa*) to predict gun ownership (*gun*). Note that *gun* = 1 indicates that the person is a gun owner.

These data are located in the file for gun.csv so no need to waste time entering all the numbers.

2. Write out the logistic formula.
3. Interpret Beta as (a) the log odds, (b) an odds ratio (c) percent of change. Don't forget to tell me if the coefficient is significant.
4. Get both the Wald and LR confidence intervals (in odds ratios). Are they similar? Why or why not?