ESM 204 Assignment 3

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1. Linear Probability Model

Create a linear probility model that predicts a respondent's probability of voting "yes" on the ballot based on their age, income, NEP score, the program's risk reduction, and cost of the program to that respondent.

Regression Model:
$Logodds(Yes\ Vote) = -2.0882917 + 0.0929364(Age\ to\ 30) + -0.1270454(Age\ to\ 40) + 0.0627709(Age\ to\ 50) + -0.1078858(Age\ to\ 60) + 0.0593664(Income\ One\ Percent) + 0.0402984(Income\ Poor) + 0.0602187(Income\ Rich) + 0.2778785(Income\ Very\ Rich) + 0.083213(NEP) + -0.0058651(Bid) + 0.0041689(Risk\ Reduction)$