廣義線性模式 作業1

1. In the following examples, identify the response variable and the explanatory variables.
2. Attitude toward gun control (favor, oppose), Gender (female, male), Mother’s education (high school, college).
3. Heart disease (yes, no), Blood pressure, Cholesterol level.
4. Race (white, nonwhite), Religion (Catholic, Jewish, Protestant), Vote for Present (Democrat, Republican, Other), Annual income.
5. Which scale of measurement is most appropriate for the following variables-nominal, or ordinal?
6. Political party affiliation (Democrat, Republican, unaffiliated).
7. Highest degree obtained (none, high school, bachelor’s, master’s, doctorate)
8. Patient condition (good, fair, serious, critical)
9. Hospital location (London, Boston, Madison, Rochester, Toronto)
10. Favorite beverage (beer, juice, milk, soft drink, wine, other)
11. What type of statistical model is appropriate when the response variable is continuous
12. and the explanatory variables are continuous?
13. and the explanatory variables are categorical?
14. and the explanatory variables are a mixture of categorical and continuous?