

2A_C Independence / Association in Real World Data _____

Name

Period

Seat

Referencing the skills you acquired during the class investigation of the Titanic disaster, read through the Pfizer Six Month Safety and Efficacy Report including the Supplementary Appendix or the FBI Crime Data. Identify two categorical variables that you would like to evaluate for independence / association.

For example, it would be interesting to see if there is an association between _____ and _____.

1. Summarize the data in a well labeled table. Specifically, make a small table containing only the data you are interested in evaluating.
2. Then make a segmented bar chart or other appropriate graphical display to showcase the data.
3. Referencing your graphical display, use proper vocabulary to answer the question, "Do these data suggest an association between _____ and _____?"
4. Submit your work as a pdf file in Schoology by Sunday night.

Remember, the best analysis of data usually combines visual, numerical, and verbal descriptions (using proper vocabulary in context). In the Day 2 Schoology folder is a copy of the Rubric (grading criteria) we will be using Monday to assess your Six-Month Safety and Efficacy Evaluation. The AP style Rubric was originally made for an assignment evaluating if there is an association between race and the death penalty. It is equally applicable to assessing your work determining if there is an association between the two categorical variables you decided to evaluate (you don't have to make it a newspaper article). I hope this provides more clarification as to what a complete answer would look like.

Pfizer Six Month Safety and Efficacy Report - Applicable data is available in Tables 1, 2, and 3 as well as Supplement S3, S4, S5, S6, and S7 posted in Schoology as pdf files.

FBI Crime Data – Applicable data is available at the links provided in the pdf or from the example tables located in the pdf.