William A. Bounsavy & Braden Fowler

DASC 2103

Jim Strother

Executive Summary

Problem Statement

Have you ever had to be on a flight with someone who was very rude? Or you did something on a plane, and later thought about whether it was rude or not? Flying etiquette is not as concrete and widespread as web etiquette or kitchen table etiquette, so it is hard to know what is wrong and what is not. We analyzed a dataset that surveyed people on common flying etiquette to see what is statistically polite and rude on a plane.

Analysis and Solution

First, we used a dataset from FiveThirtyEight.com called “flying-etiquette.csv.” It recorded the results of a survey they did on flyers to see what acceptable flying behavior was or not. First, we loaded in the data with read.csv and surveyed the data and its format. Most of the answers were recorded as strings, so it would be hard to mathematical analysis like the “describe” function.

Instead, we decided to use the “.value\_counts()” function to record the number of results and do an analysis on that. These functions gave us the proportion for each answer, converting strings to numbers. Once we had that, it was easier for us to visualize those answers as graphs. We decided to go with a variety of graphs to break up the monotony, so we had pie charts, histograms, bar graphs, and waffle charts.

Conclusion

We did not want to overlap too much with the FiveThirtyEight.com chart, so we tried to do as many variables as possible that they did not do. Through our analysis, we learned five things:

1. Reclining your seat is only okay if the person behind is okay with it.
2. The middle two armrests are shared between the whole rows.
3. Waking up a neighbor to go the bathroom is not considered rude.
4. Everyone in the row has access and a say in the window.
5. Having a conversation with a neighbor on a flight is not rude.