Grace Combs

CGT 270-003

1/23/22

Cereal Data Analysis

Insights

- Manufacturer G had no options under 100 calories.
- Some cereals had -1 under the Cup category.
- All have sugars above zero except Quaker Oatmeal which has -1 sugars, how are these negative values possible? Is it an error in the data?
- The higher protein options have less sugar, is this just a coincidence?
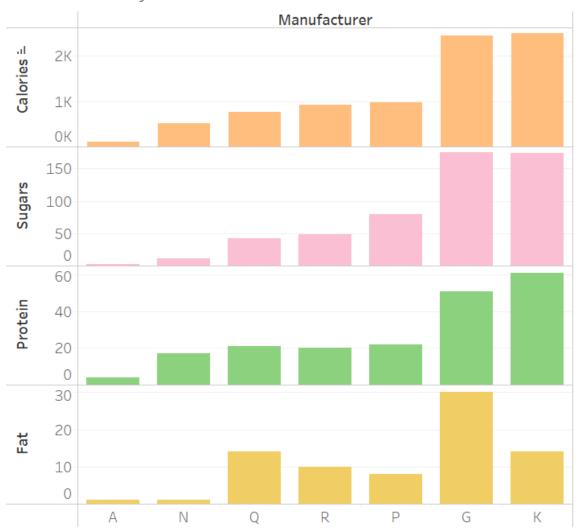- Only one of the options for manufacturer N has fat in it.

Process of Analysis

To begin, I downloaded the .csv file of the cereal data and opened it in Excel. In Excel, I first checked to see what all the columns were labeled and took notice of the data types and whether they were letters or integers. I mostly worked from left to right, checking to see if there was anything interesting under the manufacturers category first and going from there.

Challenges

I think the data has aspects that make it hard to analyze. The use of integers with no unit of measurement for Weight category, as well as the use of a single letter for the Manufacturer category leaves a lot up for interpretation. Also, some integers being -1 is confusing because it is unclear what that means. Labeling the Type as C or H also took a bit of time to realize it was Cold or Hot cereal.

Cereal Analysis

Sum of Calories, sum of Sugars, sum of Protein and sum of Fat for each Manufacturer.