

Analysis of Nutritional Content of Cereal and Shelf Location

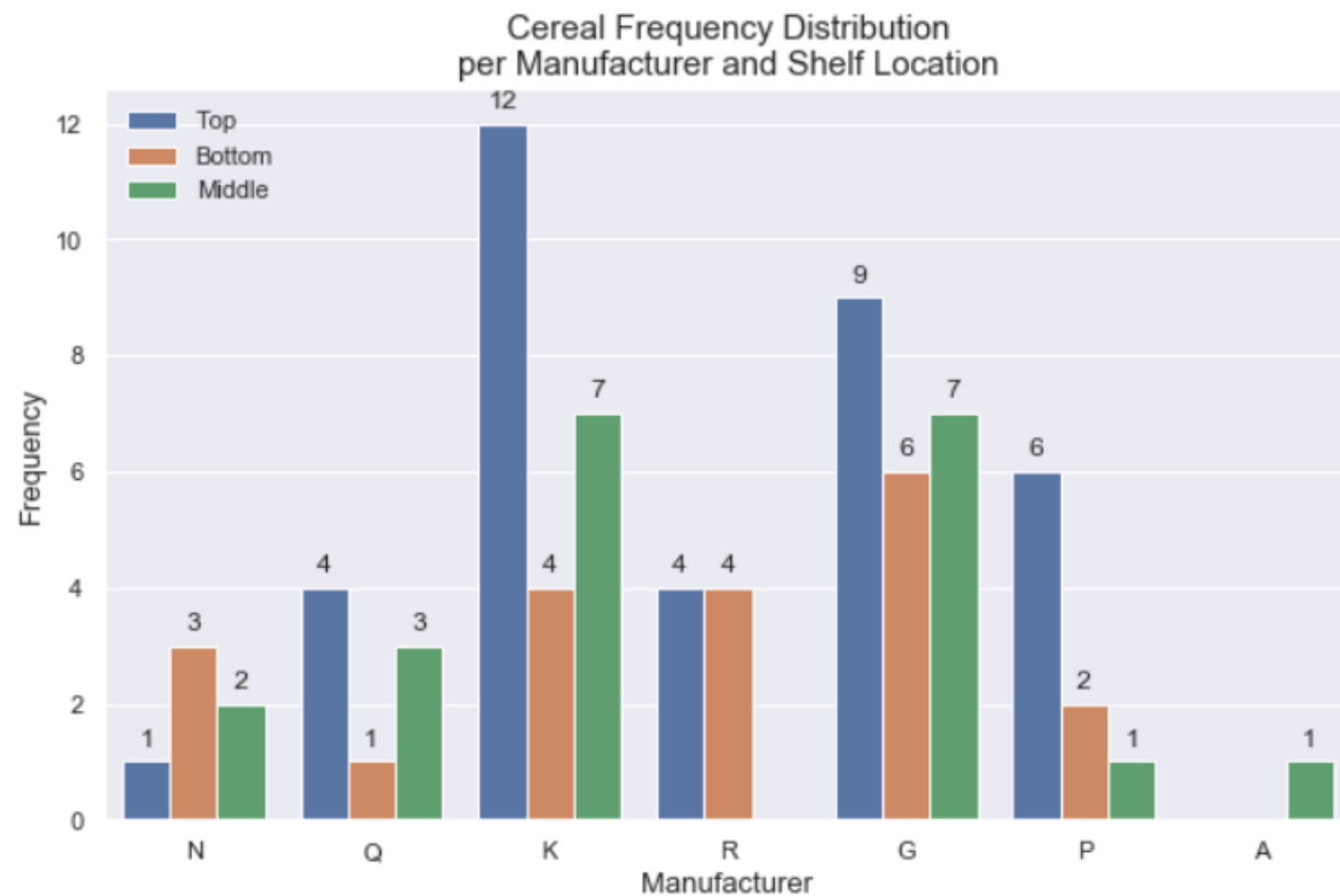
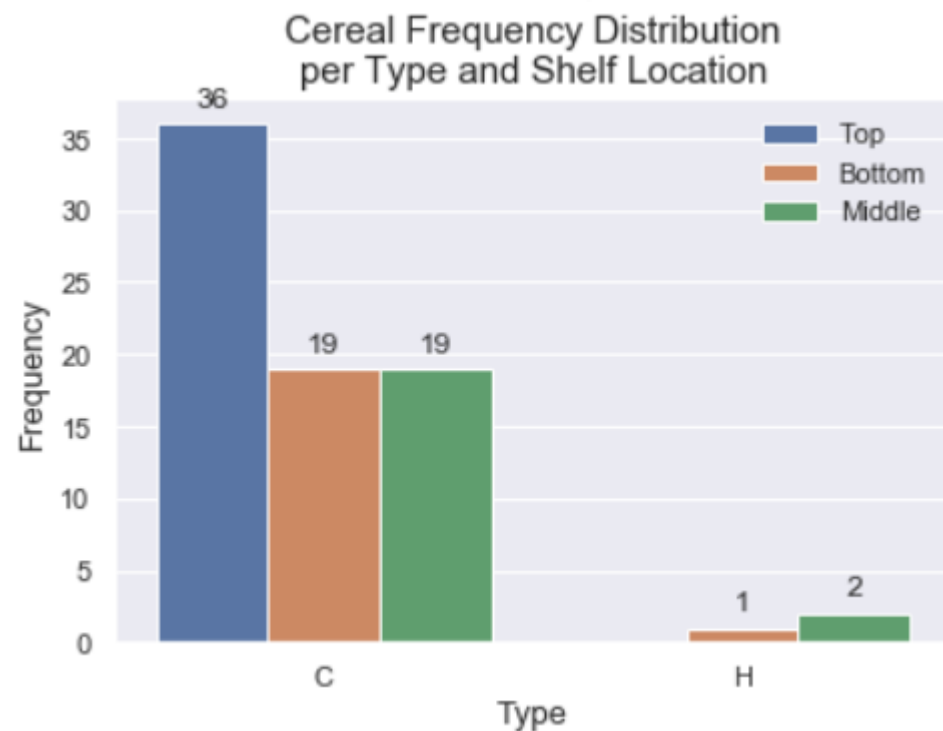
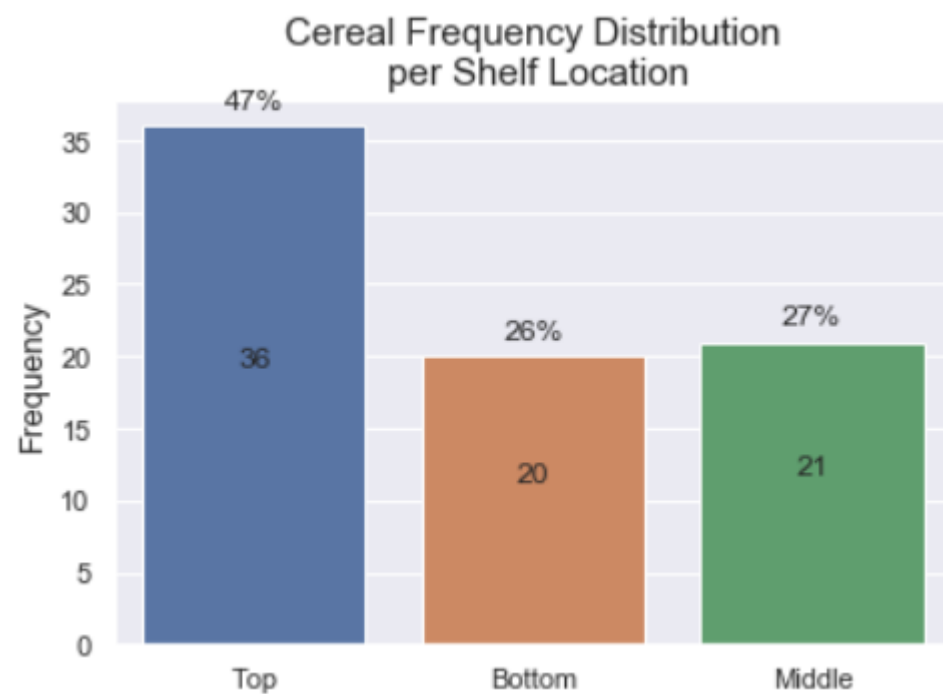
Ngoc Phan | nphan20181@gmail.com

Github | https://github.com/nphan20181/Cereal_EDA/blob/master/cereal_eda.ipynb

How are cereals arranged among shelf locations?

Total No. of Cereals: 77

Three Shelf Locations: Top, Bottom, Middle



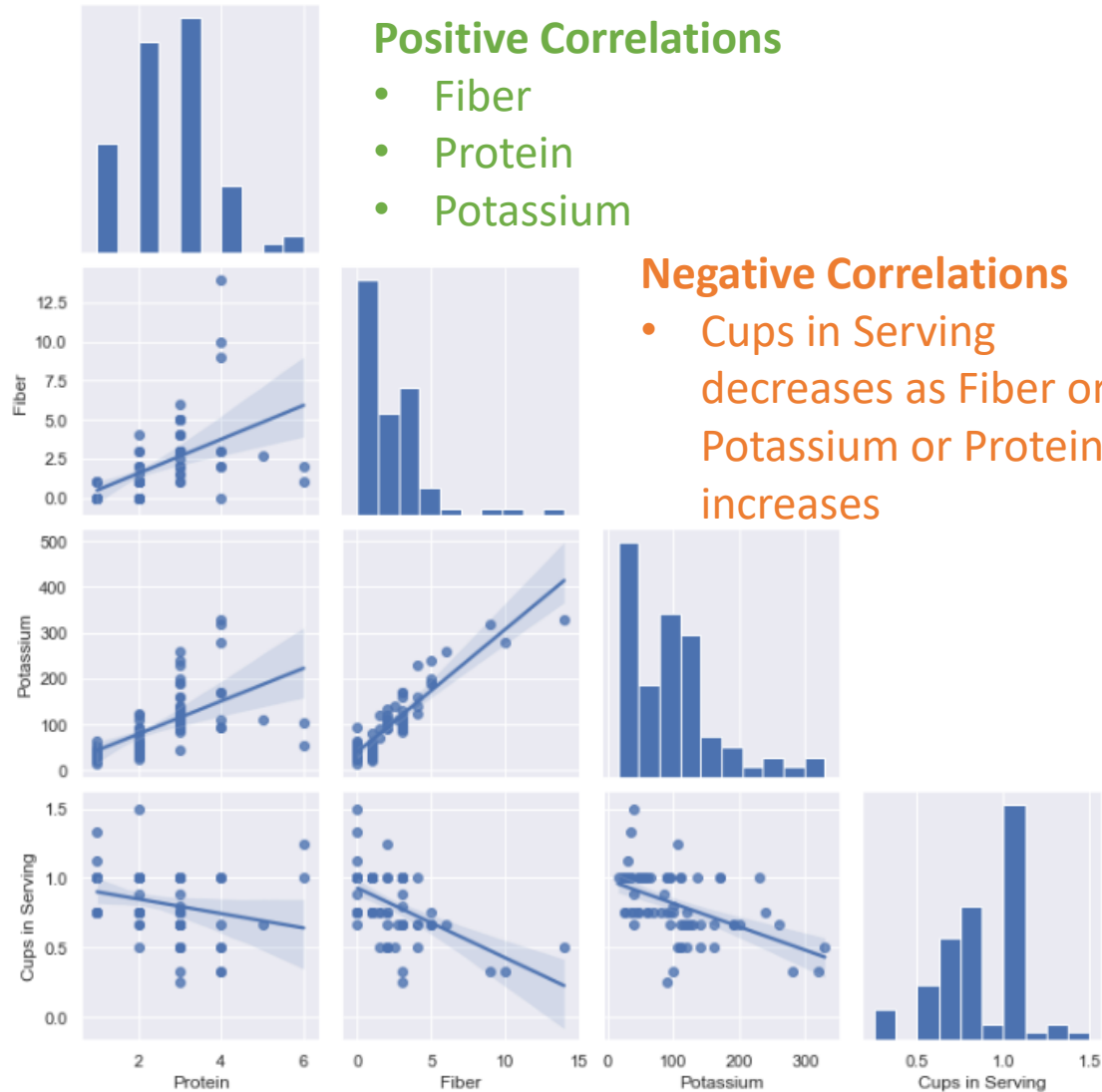
What is the Relationship Between Nutrients in Cereal?

Positive Correlations

- Fiber
- Protein
- Potassium

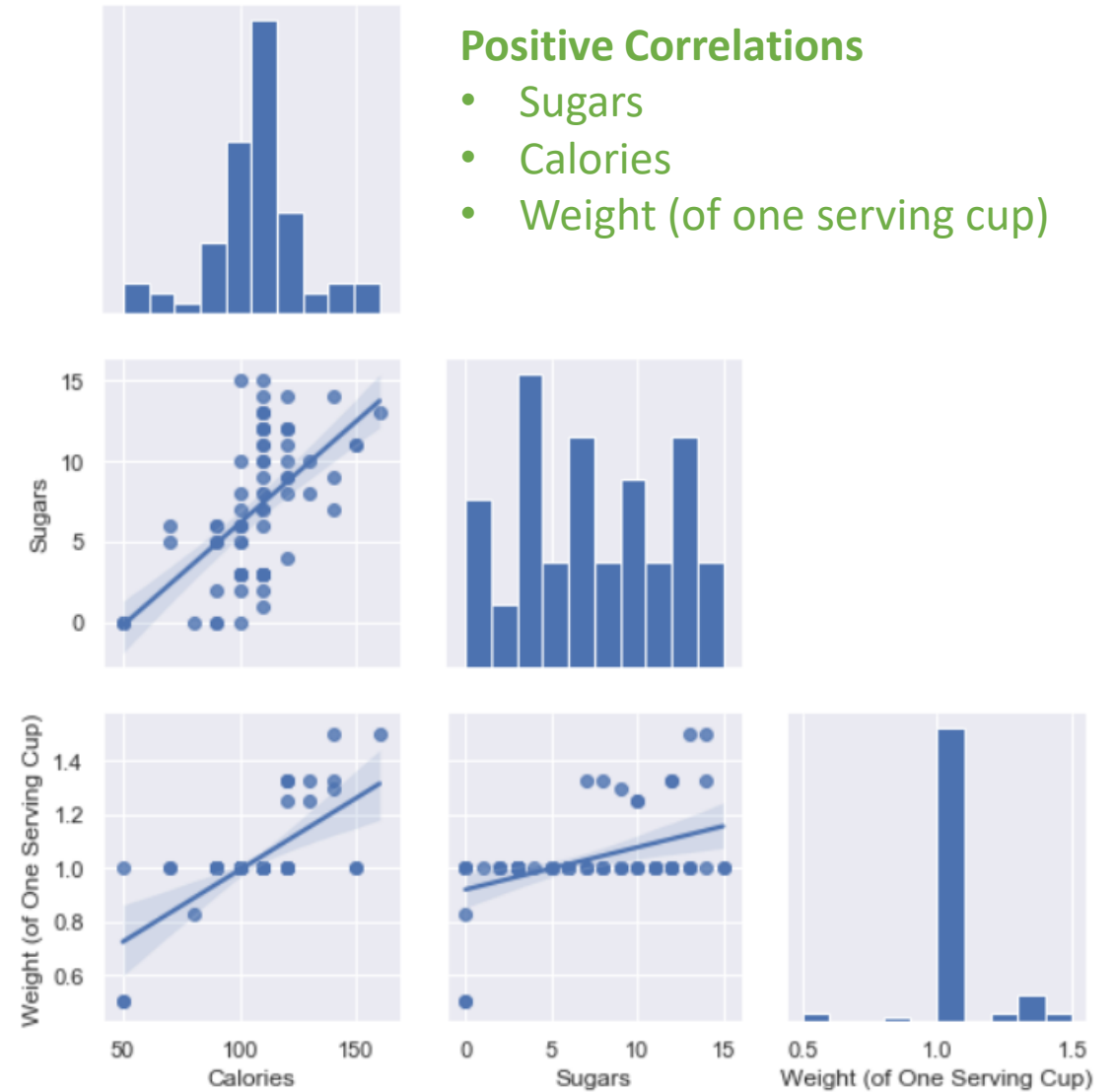
Negative Correlations

- Cups in Serving decreases as Fiber or Potassium or Protein increases



Positive Correlations

- Sugars
- Calories
- Weight (of one serving cup)



Does shelf location relate to the nutritional content of the cereal?

t-test:

- Top and Bottom
- Top and Middle
- Bottom and Middle

Result of t-test

- Not all shelf locations show significant difference in the mean.
- Need to have a significant difference in the mean for ALL shelf locations.

No, shelf location does not relate to the nutritional content of the cereal!

