Analysis of Nutritional Content of Cereal and Shelf Location

Ngoc Phan | nphan20181@gmail.com
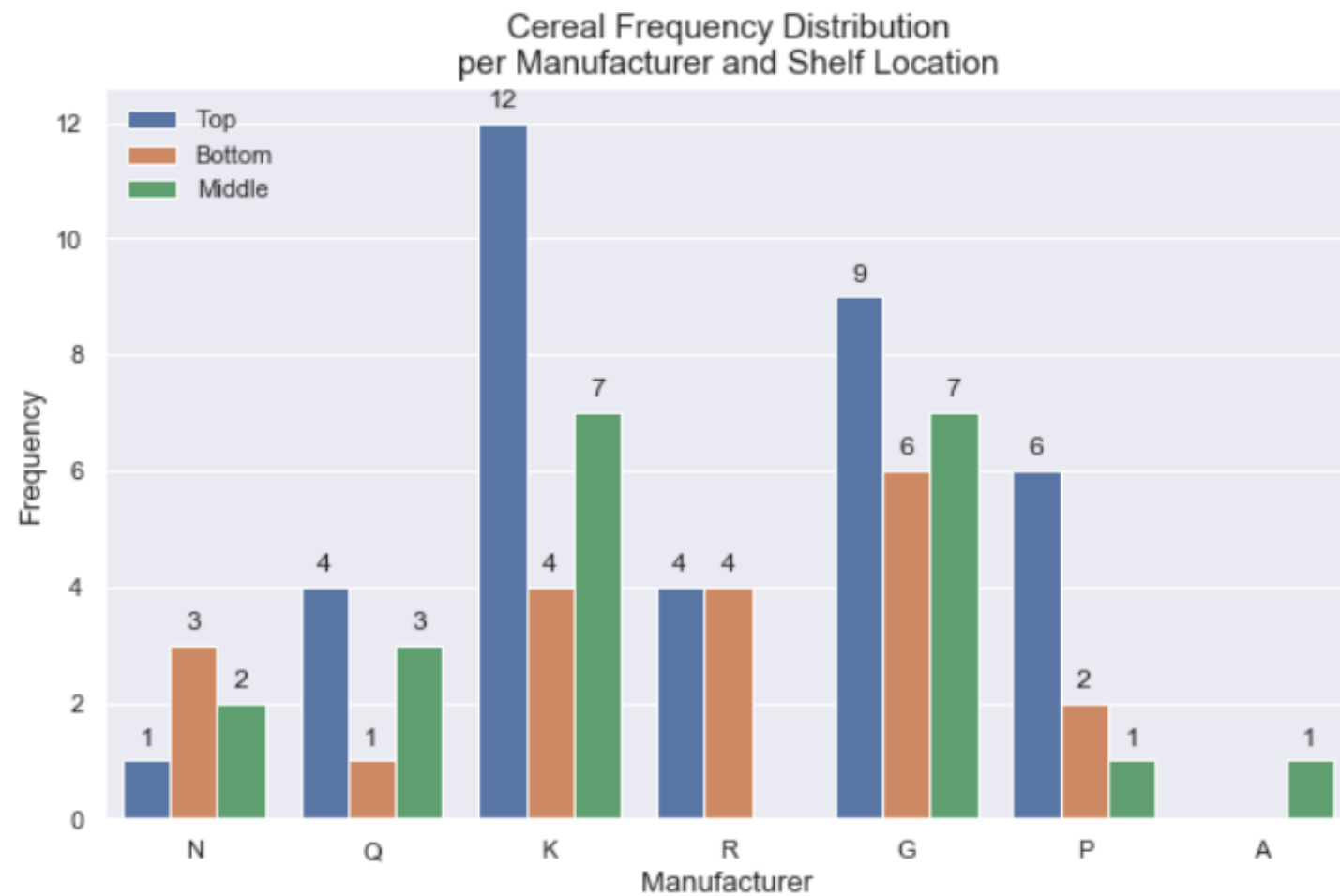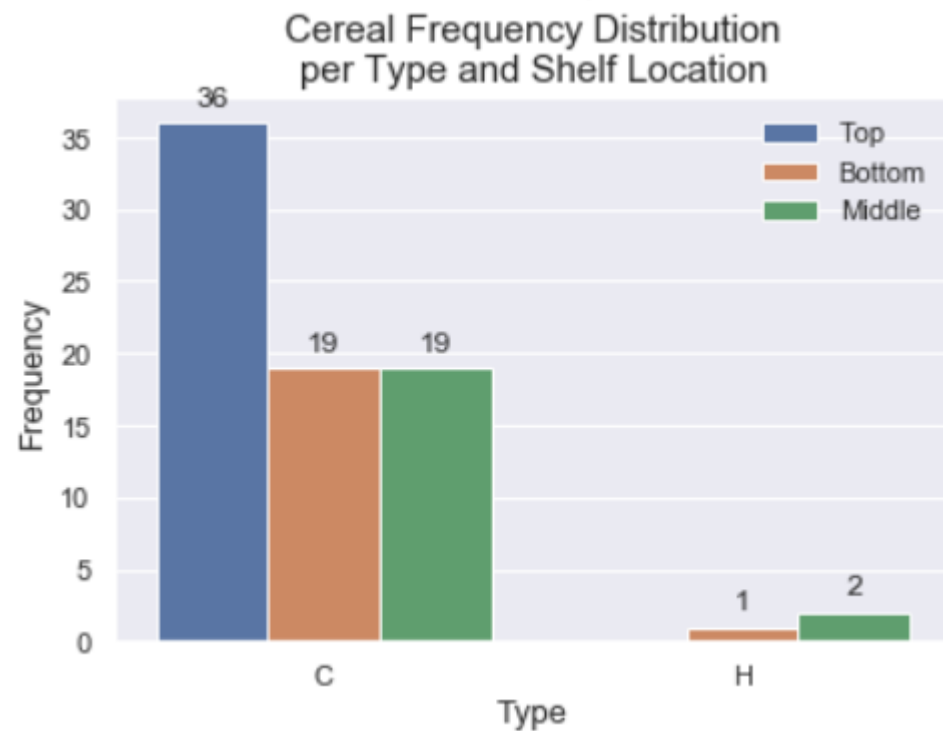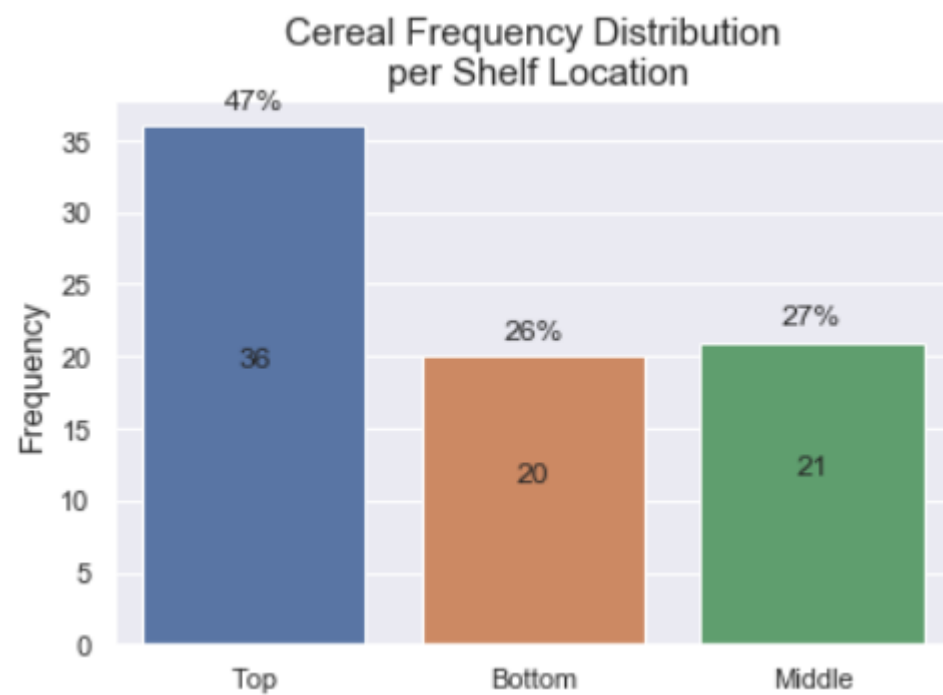
GitHub| https://github.com/nphan20181/Cereal_EDA/blob/master/cereal_eda.ipynb

Cereal Dataset | http://www.hawkeslearning.com/Statistics/dis/datasets.html

Cereal Frequency Distribution per Shelf Location

Cereal Frequency Distribution per Type and Shelf Location

How are cereals arranged among shelf locations?

Total No. of Cereals: 77
Three Shelf Locations: Top, Bottom, Middle

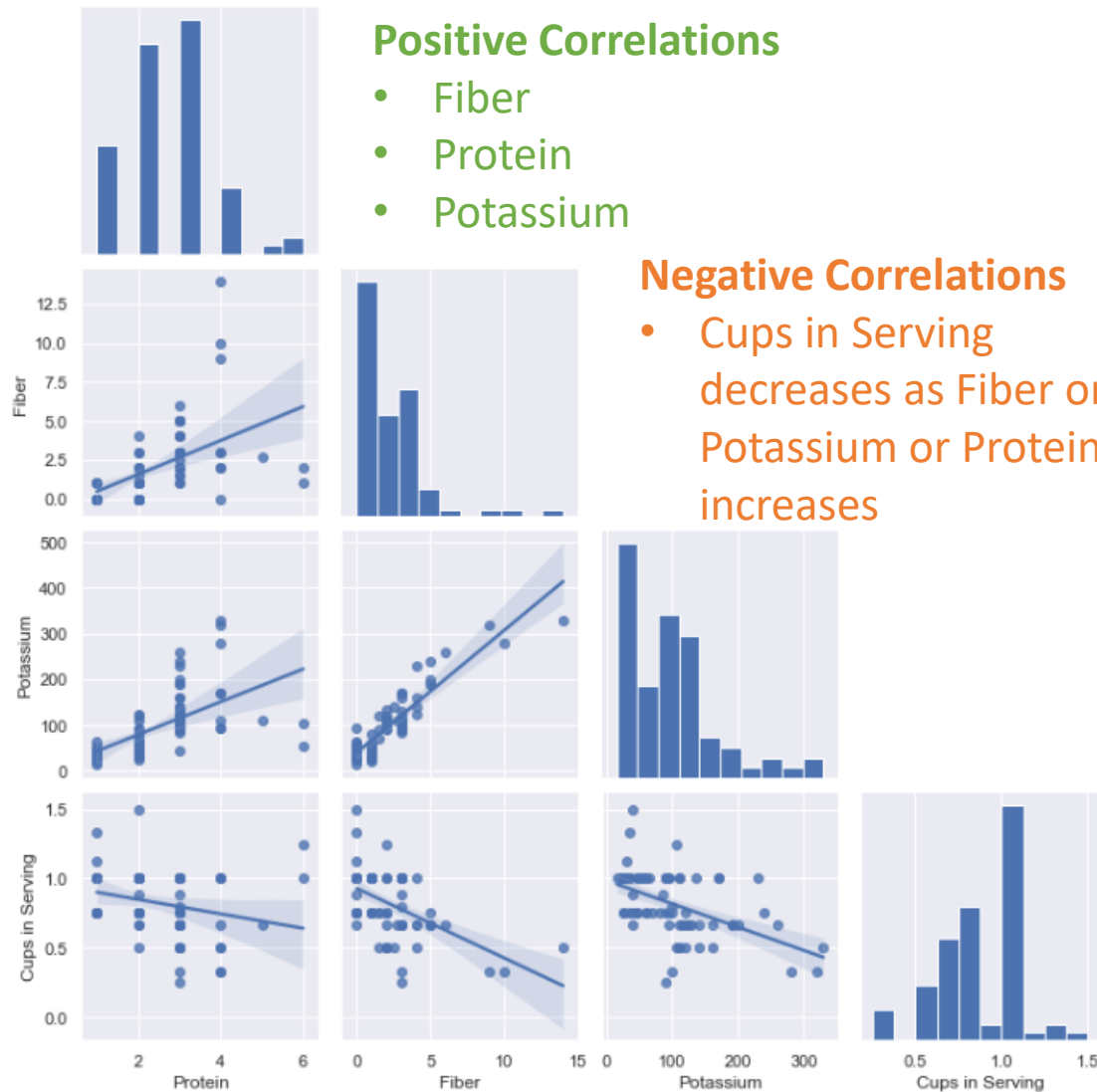Cereal Frequency Distribution per Manufacturer and Shelf Location

What is the Relationship Between Cereal Nutrients ?

Positive Correlations
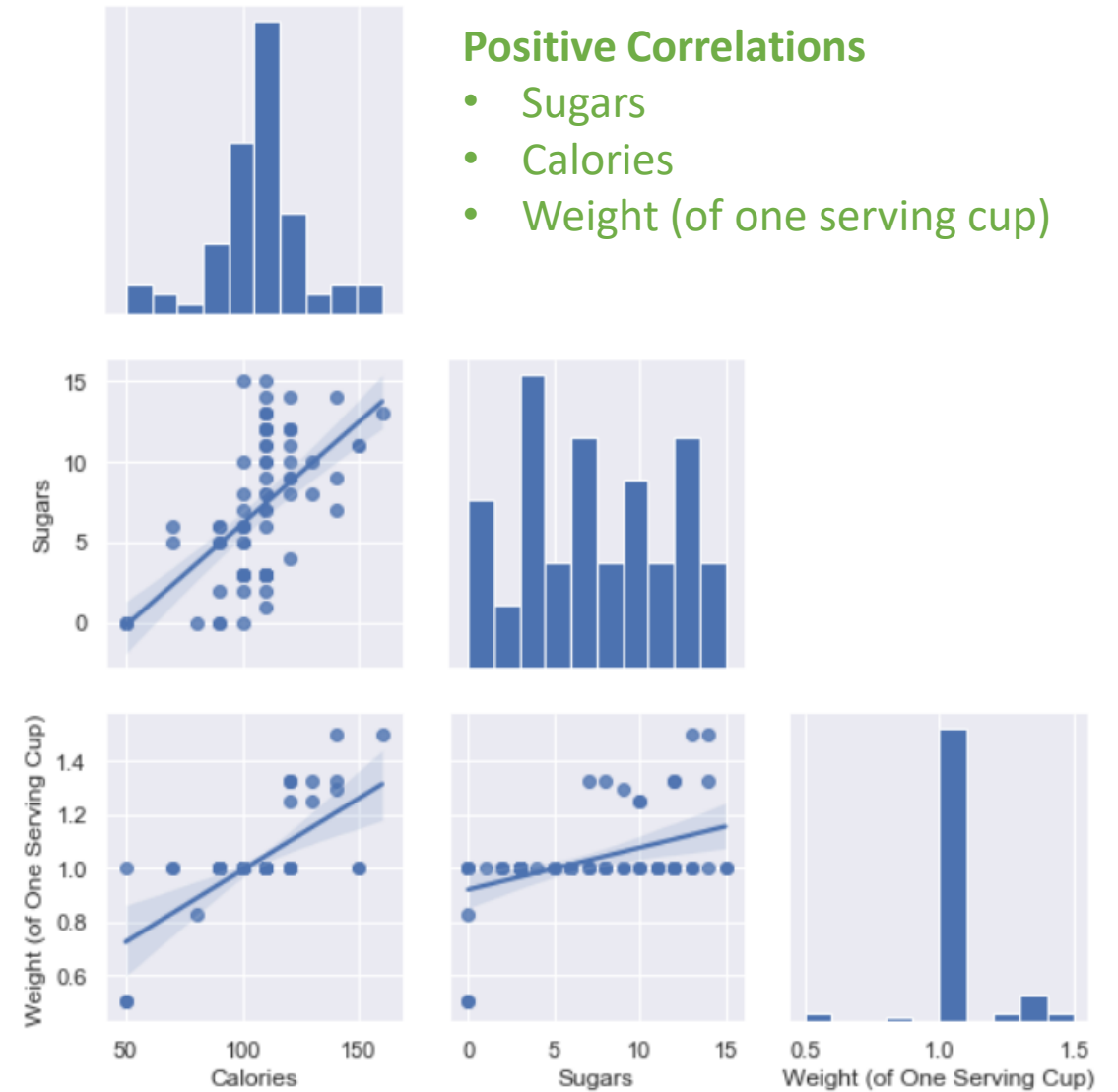- Fiber
- Protein
- Potassium

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

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

Distribution of Cereal Nutrient per Shelf Location

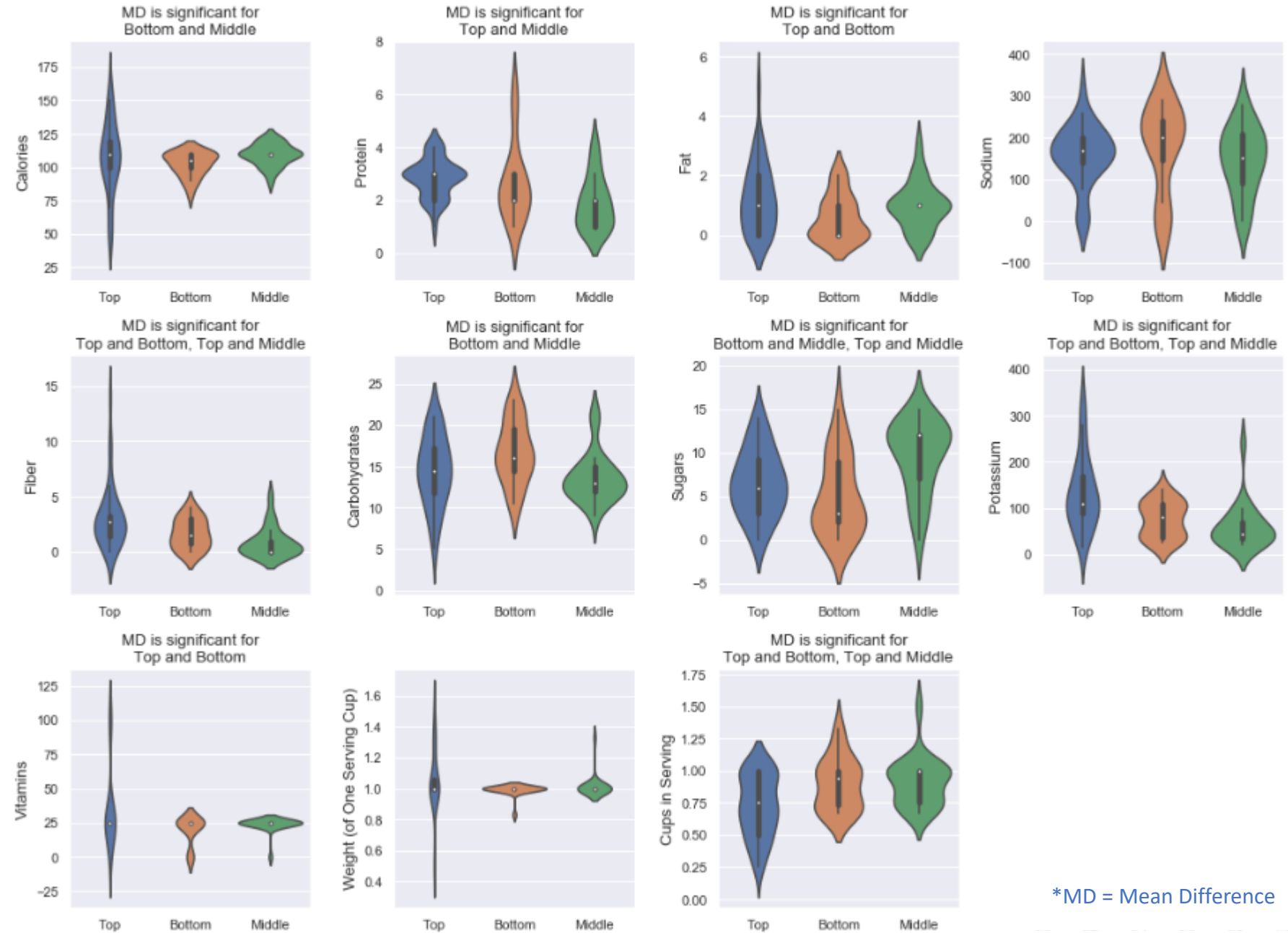**Does shelf location relate to the nutritional content of cereal?**

t-test:
- Top and Bottom
- Top and Middle
- Bottom and Middle

Result of t-test
- Not all shelf locations show a significant difference in the mean of a nutrient.
- 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!

*MD = Mean Difference