Statistics – M#1 Assignment

Before beginning this assignment be sure to watch the Scales of Measurement video.

* Quantitative Specialists. (2015, July 1). [Scales of Measurement – Nominal, Ordinal, Interval, Ratio (Part 1) – Introductory Statistics](https://youtu.be/KIBZUk39ncI) [Video].

Observational experience to identify data based on people, events, and behaviors that represent a specific population. Go to a coffee shop in your neighborhood, spend a minimum of two hours. Upon arrive gather observations about the environment,

* Noise
* Perceptions related to people’s behaviors
* Number of people present
* Number of staff
* Facial expressions on customers
* Facial expressions on staff
* Number of laptops and tablets
* Number of perceived business meetings
* Sitting along vs 2 or more

Create a chart with of the above-named categories and fill in the numbers upon arrival, and every 15 minutes for a total of eight observations. Using this data set, calculate the mean, mode, and median along with the percent of change that occurs every 15 minutes per observation. Notate if the data being measured is nominal, ordinal, interval, or ratio.

Write a 500-750-word paper, based on your observation, identify three things you learned about data and statistics. How might this newly acquired skill translate into patient care?

**Assignment Expectations**

Length: 500-750 words; answers must thoroughly address the questions in a clear, concise manner. Be sure to include the chart, your findings, and the write up.

Structure: Include a title page and reference page in APA style. These do not count towards the minimal word amount for this assignment.

References: Use at least one APA style in-text citations and references for all resources utilized to answer the questions.

Format: Save your assignment as a Microsoft Word document (.doc or docx).