#### Data Presentation and Visualization

#### Histograms, Box Charts, and Bullet Charts

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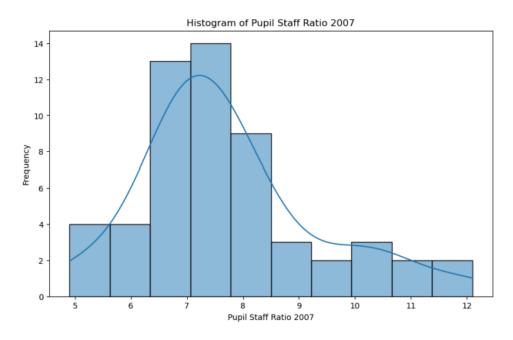
### Introduction

This assignment is to create a consolidated document displaying four charts generated using Python, R, and Power BI. The chart types are histograms, box charts, bullet charts, and others of my choice. I've selected a Rose, or Radar Diagram for the fourth chart, primarily out of curiosity and historical connection to Florence Nightingale.

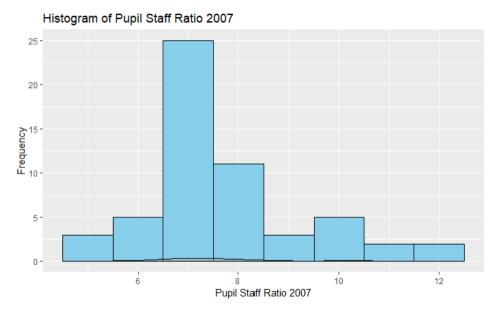
I have used three datasets related to educational statistics regarding student-teacher ratios, graduation, and dropout rates.

Although week over week, I'm finding Power BI not to be my favorite, it created a really beautiful radar graph this time around. That makes me want to explore the tools a bit more, to see what else it can accomplish.

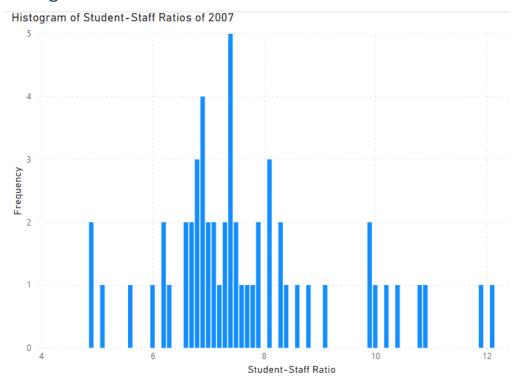
# Histogram – Python



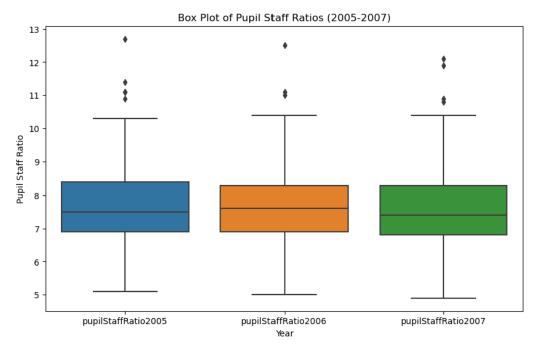
# Histogram – R



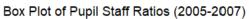
## Histogram – Power BI

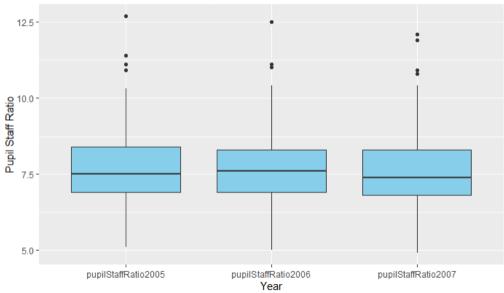


# Box Chart – Python

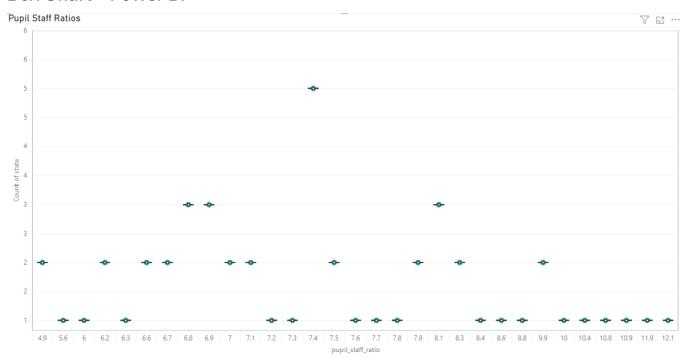


### Box Chart - R

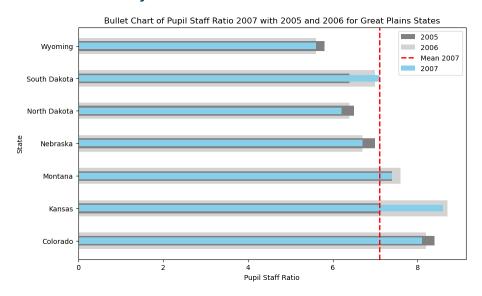




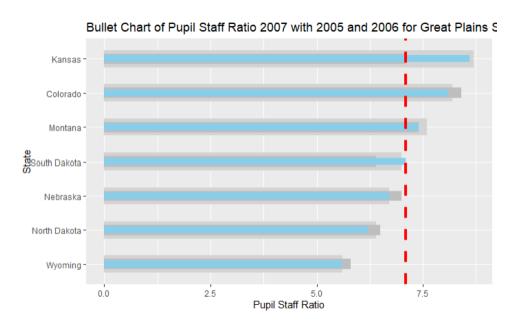
### Box Chart - Power BI



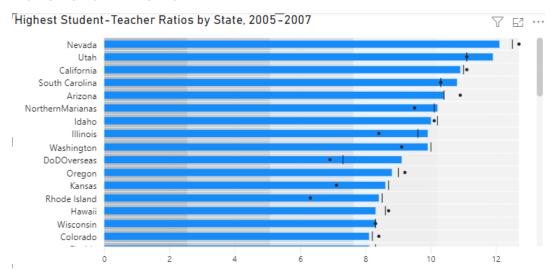
## Bullet Chart - Python



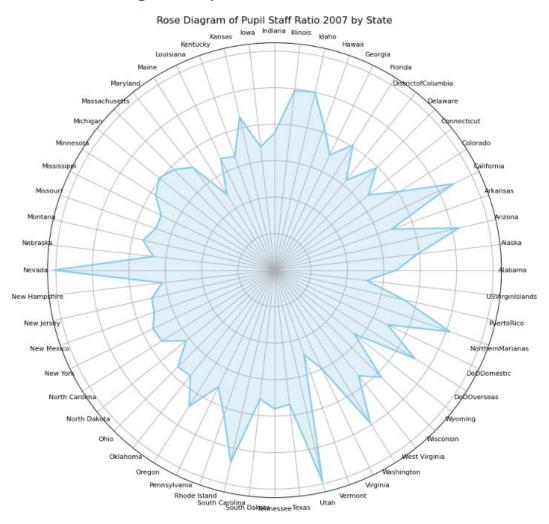
#### Bullet Chart - R



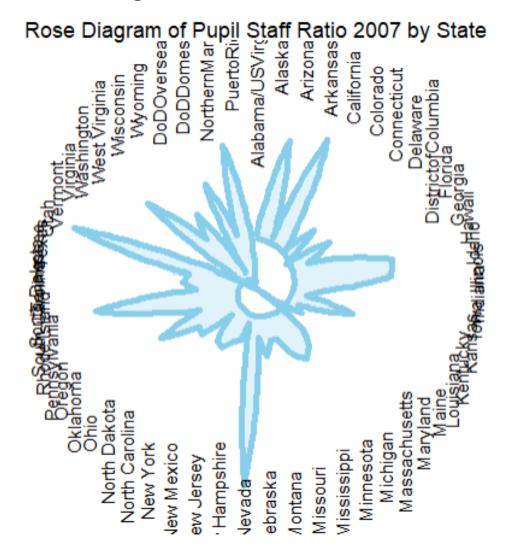
#### Bullet Chart - Power BI



## Rose/Radar Diagram - Python



### Rose/Radar Diagram - R



## Rose/Radar Diagram – Power BI

Pupil-Staff Ratios, 2007 by location

Axis Sum of pupilStaffRatio2007

