









**What Can You Do with Multivariate Data?**

**Try it Out - What Can YOU Do with Data?**

-  **Video:** Demo: Interactive Scatterplot  
2 min
-  **Reading:** Pitfall: Simpson's Paradox  
10 min
-  **Discussion Prompt:**  
Discussion: Find Your Own Example  
15 min
-  **Reading:** Modern Ways to Visualize Data  
10 min
-  **Video:** Introduction to Pizza Assignment  
2 min
-  **Reading:** Pizza Study Design Assignment Instructions  
10 min
-  **Peer-graded Assignment:** Pizza Study Design Assignment  
1h
-  **Review Your Peers:** Pizza Study Design Assignment

**Using Python for analysis of multivariate data**

**Week 3 Python Assignment**



# Modern Ways to Visualize Data

In this course, we have focused on visualizations like box plots, histograms, bar charts, pie charts, and scatterplots. But these are not the only ways to visualize data. As data becomes more complex and as people try to present data in more interesting and readable ways, new visualizations have emerged. Feel free to check out the links below for some cool examples.

**While viewing them, think through:**

1. What about this visualization made it easy or hard to understand the data?
2. Why do you think this visualization was used instead of other visualizations we discussed in the course?
3. Could this visualization be used for other kinds of data?

**Want to see how selfies are taken across the world?** [Check out this website](#) to see different categories of selfies in 5 different cities.

**Want to see how economic inequality has changed over time?** [Look at this article](#) to see how a series of data visualizations are used to tell a story about the global economy.

**[Check out this visualization](#)** of shot attempts of the Washington Wizards, an NBA team.

**Want to see how music popularity has changed over time?** [Check out this cool visualization](#). You can click different genres for a further breakdown.

**Want to know what ages certain people get married?** [Check out this interactive visualization](#) that allows you to understand the marriage age of different groups of people.

**Want to know how different cities rank in terms of social, environmental and financial well being?** [Check out the visualization here](#) to see how different cities compare.

**How many times did the song “Total Eclipse of the Heart” get streamed during the 2017 solar eclipse?** [Check out the visualization here](#), which takes you through time: