# Data Challenge #2
# Data Science I

**Assignment:** One of the biggest jobs of a data scientist is to craft a story using data. Using any data set you would like, craft a 'data story' or message with data visualizations and text to create a shiny app that communicates this story (you may NOT use the dairy cow data that we used for Data Challenge #1). I have provided some potential data sources in Lecture #6 or you can use any dataset that you find or already work with.  Note that you will need to host the app on shinyapps.io, so make sure that you are able to do this with the data source that you are using.

**Requirements:**

1. Make at least **three** plots of different types and at least one plot with plotly
2. All plots should be interactive with shiny
3. Use text on the app to help explain your message and how to use the app

**Final product and submission:** The code for the final shiny app will be submitted via github.  In addition, please post the shiny app on shinyapps.io and submit the website for the posted shiny app and the github link for the app via CANVAS as an html document.

**Hint! Keep it simple!**  You only have a limited time to complete the app – a straightforward app with a clear message will get more points than a complex app that is difficult to understand!

A rubric for the project can be found below:

| | Points | Points Possible | Description |
|---|---|---|---|
| Data Story | | 20 | Is the background of the data clearly provided? Is the purpose of the app clear? Is an interactive 'story' told with the data? |
| Visualizations | | 40 | Visualization of the data.  How well is the data visualized in tables, graphs, etc.?  How clearly is the data and purpose communicated through visualizations? |
| Code and deployment | | 20 | How parsimonious and concise is your code? Is the code posted on github?  Is the code commented? Were you able to successfully deploy the app on shinyapps.io? |
| Shiny App and Layout | | 20 | How is the shiny app user interface? Is it easy to understand and use? |
| **Total** | | **100** | |