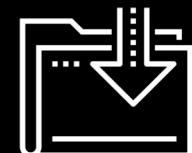




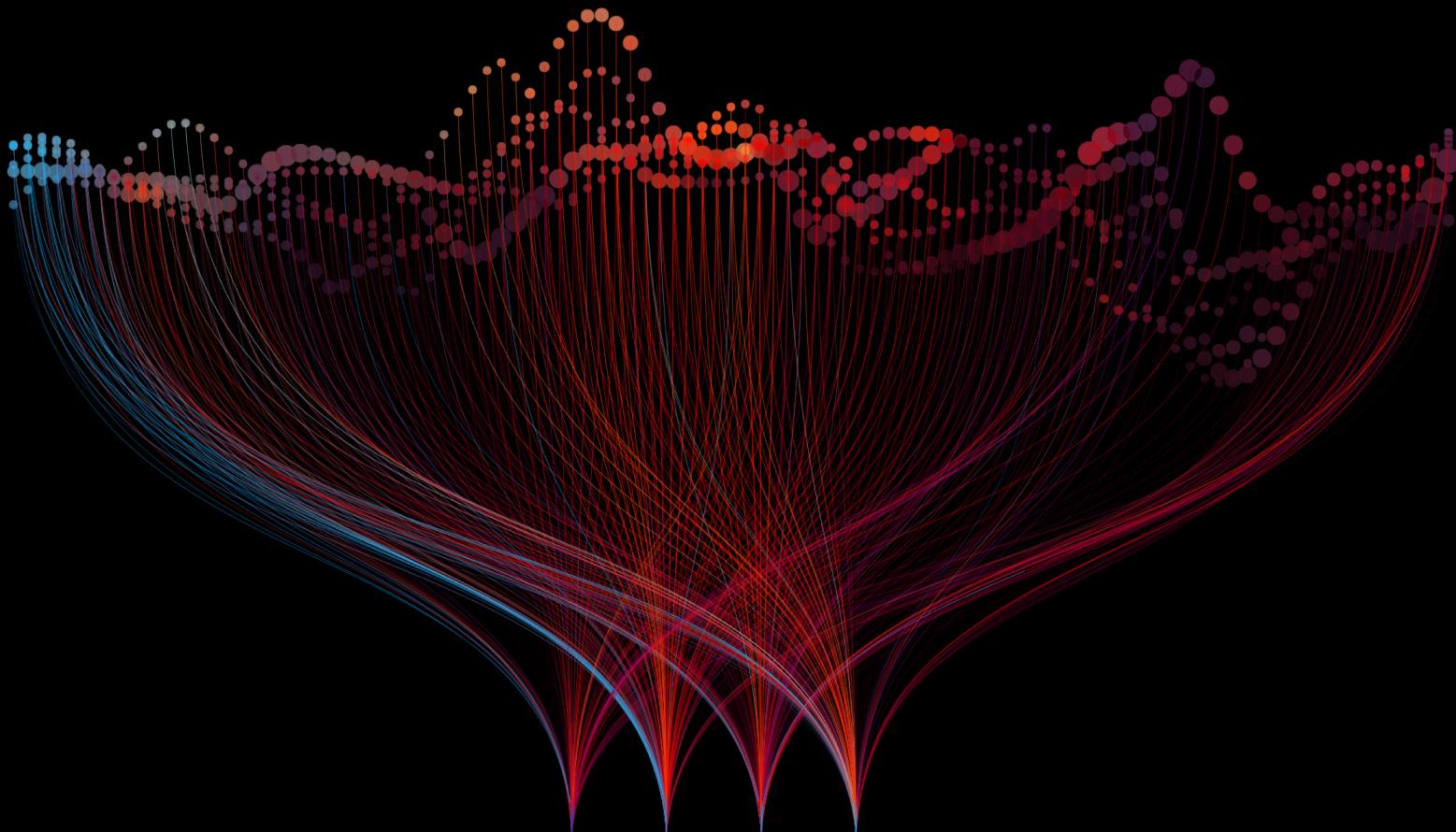
## Project #2: Visualize Me, Captain!

Data Boot Camp  
Lesson 18.1



# Your Task

# Tell a Story with Data



# What?



# Project Requirements

# Project Description

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01

Your task is to **tell a story** through data visualizations.

02

Focus on providing users an **interactive means** to explore data themselves.

03

Prepare a **10-minute presentation** that lays out your theme, coding approach, data munging techniques, and final visualization.

04

You may choose a project of any theme, but we encourage you to **think broadly**.

05

You will have **ample time in class** to work with your group, but expect to put in **hours outside of class** as well.

# Specific Requirements

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1. Your visualization must include a Python Flask–powered RESTful API, HTML/CSS, JavaScript, and at least one database (SQL, MongoDB, SQLite, etc.).
2. Your project should fall into one of the below four tracks:
  - A custom “creative” D3.js project (i.e., a nonstandard graph or chart)
  - A combination of web scraping and Leaflet or Plotly
  - A dashboard page with multiple charts that update from the same data
  - A “thick” server that performs multiple manipulations on data in a database prior to visualization (**must be approved**)
3. Your project should include at least one JS library that we did not cover.
4. Your project must be powered by a data set with at least 100 records.
5. Your project must include some level of user-driven interaction (e.g., menus, dropdowns, textboxes).
6. Your final visualization should ideally include at least three views.

# Schedule

# Schedule

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| Sun | Mon                                   | Tue | Wed                                      | Thu | Fri | Sat  |
|-----|---------------------------------------|-----|--|-----|-----|--|
| 4   | 5<br>Leaflet Sample +<br>Project Work | 6   | 7<br>Introduction to<br>R + Project work | 8   | 9   | 10<br>Data Wrangling<br>in R + Project<br>work |
| 11  | 12<br>Project Work                    | 13  | 14<br>Project Work                       | 15  | 16  | 17<br>Project Work                             |
| 18  | 19<br>Project<br>Presentations        | 20  | 21                                       | 22  | 23  | 24   |

# Questions?