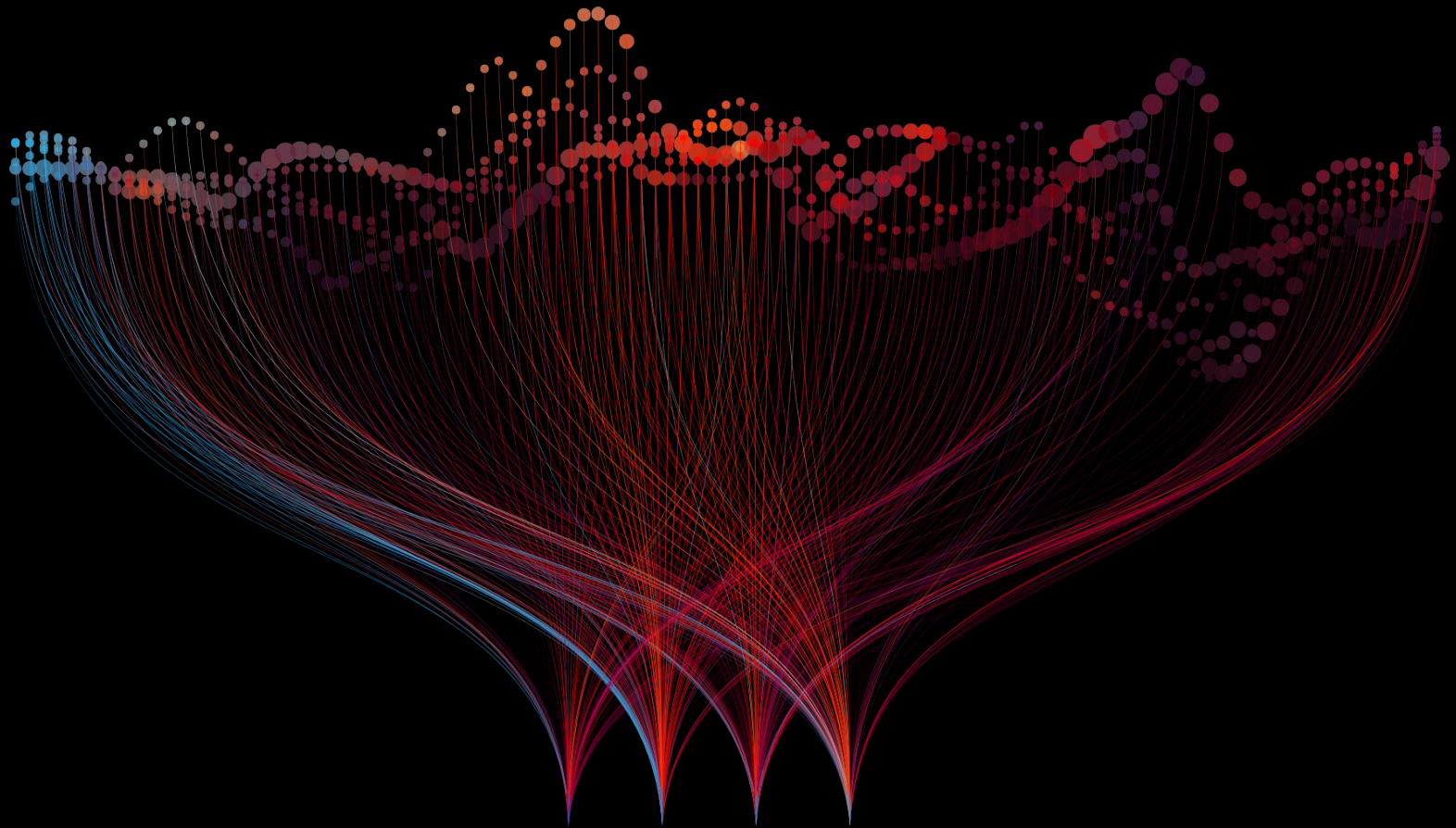


Tell a Story with Data



Project Requirements

Project Description

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

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.