Fernanda Valdez
Cagan Abney
Jonathan Unger
Joshua Hale

Project 3 Team 4 Project Proposal

1. **What is your data? Why did you choose this data set?**

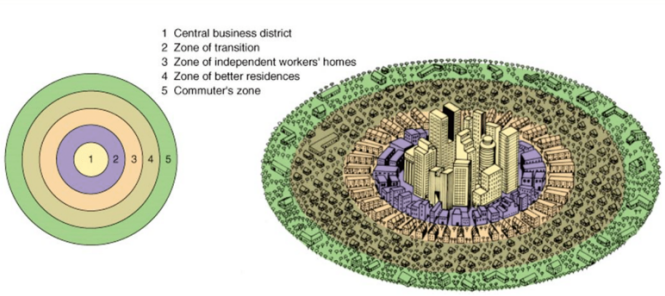
   Our data set is comprised of data from the New York housing market. We chose this data set because it is said to be expensive to live in New York and we wanted to see where people are living.

   https://www.kaggle.com/datasets/nelgiriyewithana/new-york-housing-market

2. **Inspiration - what other public analysis has been done on this data set?**

   We want to see if New York housing prices follow the traditional CBD (Central Business District) model. Which means housing tends to be more expensive closer to the city.

   https://www.semanticscholar.org/paper/The-Emerging-Central-Business-District-(CBD)-in-and-Daniel-Obadiah/460cee2262739afb11b683b0506ddf72e70fc3a1



3. **What will be your color palette?**

   Our marker size will have the following color palette based on house type:

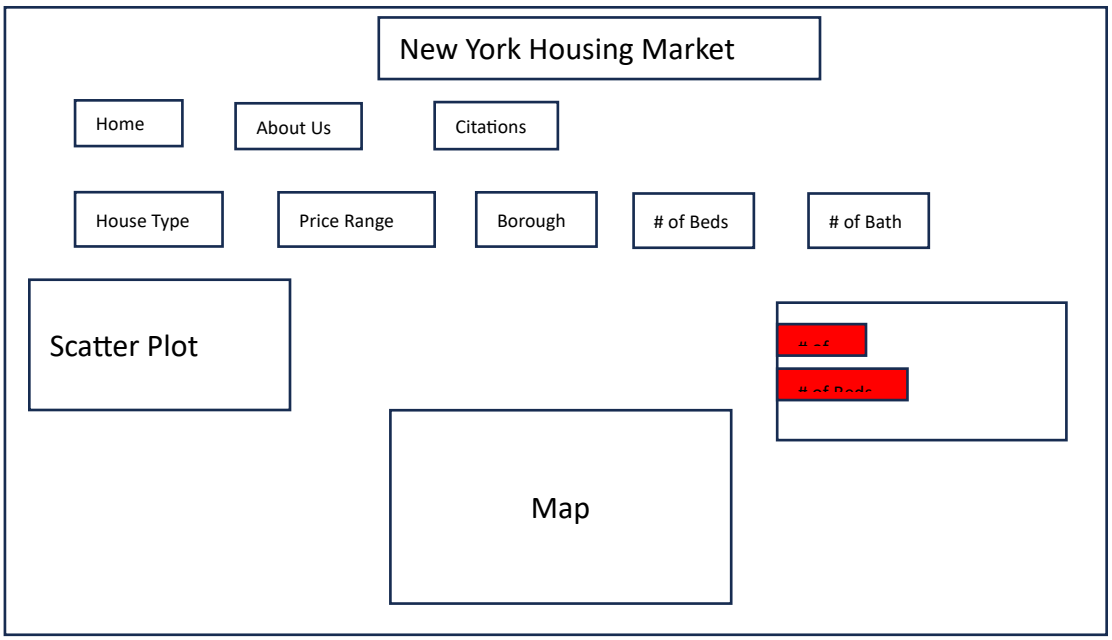
   Marker size also will be based on house square footage

4. **What are some potential visualizations you will make?**

1. We will create a bar chart of the top 10 priced houses based on user-inputted filter.
2. We will create the map of New York boroughs with marker colors based on house type and marker sized based on price.
3. We will create a scatter plot of price per sq foot vs the distance from the center of New York City.
4. If we have extra time, we will create a donut chart of the house type proportion.

5. Dashboard wireframe & what filters might you use?

Filter: House Type, Price Range, Borough, # of Beds, # of Bathrooms



6. Roles and Responsibilities.

EDA – Together

Queries – Together

Back end – together

Visualizations:

- Bar Chart: Cagan

- Map : Josh and Jonathan
- Fernanda: Scatter

Front End:

- About Us: Fernanda and Jonathan
- Home: Together
- Citations: Josh and Cagan

Slide Deck: We will create the slides for the work we each did. Whoever has the time will assemble the PowerPoint.

Write Up: We will write to the parts we each did in a Google Docs and then publish when complete.