**Project Two Presentation**

-Michael

-Derrick

-Carolyn

1. **Introduction :**
   1. Say names, etc
   2. Project:
      1. Michael: What the project is about
         1. We wanted to gather data on dog friendly and wheelchair accessible restaurants in SF
         2. How accessible is SF?
      2. Derrick: Why we wanted to look at this data
         1. Articles show that there are more dogs than children in SF
         2. Does the housing in different neighborhoods have any affect?
      3. Carolyn: How we approached this project
         1. We wanted to created visualizations based on the data on dog friendly, wheelchair accessible, both restaurants
         2. Github/Use Flask to create an interactive website with different visualizations
2. **Methodology:**
   1. Gathering data:
      1. Michael: Sources we used
         1. Yelp API
         2. Web Scraping
         3. Google
      2. Derrick: How data was gathered
         1. Python API call
         2. Beautiful Soup
         3. Old fashioned manual entry
      3. Carolyn: Data transformation
         1. Go through data and drop unnecessary info
         2. Get zip codes into neighborhoods
         3. Comparing data – lat and long were not the same
   2. Data visualization:
      1. Word Cloud:
         1. Carolyn: Dog Friendly Restaurants
            1. We used AnyChart (new library)
            2. Which neighborhood has more, heat map explanation
         2. Derrick: Wheelchair Restaurants
            1. Which neighborhoods have more
            2. Briefly talk about why we think this is: housing? Flat ground?
         3. Michael: Both Dog Friendly and Wheelchair Accessible Restaurants
            1. Which neighborhoods have more
            2. Why we think that is/is SF really more accessible
      2. Leaflet Map:
         1. Derrick: Transition to talk about map of restaurant
            1. Talk about where we can see clustering
            2. Tie back to word cloud we saw earlier
            3. More housing information
         2. Michael: Coding part
            1. What we based it off of: bike exercise
            2. Explain interactivity of the map
            3. Issues faced – referencing the correct d3 json file
         3. Carolyn: Other issues faced
            1. Issue with linking leaflet code with Flask
            2. How issue was resolved
            3. Talk about how pathway of scripts needed to be in correct place/correctly called for anything to be rendered with Flask
      3. Plotly Graph:
         1. Carolyn: Transition to show plotly graph
            1. What is being measured (x and y axis)
         2. Michael: Data analysis
            1. Which neighborhood has higher frequency (by color)
         3. Derrick: Coding part
            1. Initially wanted to use a new library but issues with functions not working (don’t go into detail yet, talk about implications at end)
3. **Display our webpage:**
   1. Carolyn: Will use my laptop since for sure it works on here
      1. What we based the HTML code on
   2. Derrick: Data visualizations
      1. When talking, click on referencing links
   3. Michael: About us and links
      1. When talking, click on referencing links
4. **Issues we faced during the project not mentioned earlier:**
   1. Carolyn: Data gathering
      1. Yelp will only provide certain business attributes for free
         1. We even signed up for Yelp business VIP (no response)
      2. Web scraping restrictions
   2. Derrick: Open Source
      1. Issues with code not working
      2. Even going to source code/implications
5. **Conclusion:**
   1. Michael: What overall take away is and future analysis
   2. Carolyn: Further analysis in the future, if we wanted too look at more attributes or gather more data
   3. Derrick: Look at how topography affects accessibility, especially in SF
6. **Questions**