

Design Sprint Process Book 2

Angry Death Wallabies

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Notes for us:

- 1) Sign up for a time with a TF (which? Nam?)
- 2) <https://piazza.com/class/jhjhtah3tzy7ob?cid=132>

Last Edits:

10/31/2018 7am: Kimia cleaned up text

Week 4

Feedback Summary

Rachel

She loves the color and initially brought in by the title and colors.

She's from NY, notices geography: "Color coded by borough"

We need to make sure it is clear what the pie chart represents: "I guess this is showing number....number of reported rates? What is in the pie?";

Likes the zoom in feature (filter);

We should add number of rats (i.e. 1 to map)"I thought it would show me # of rats. rather than lat long";

She likes the filtering on the Bar chart: Filtering out data for all of them. Sort by location type.

Alpha or number- she likes

Look at commercial building. Everything stays- likes that.

We need to make it clear what time frame this is for: Over time. Pattern of every year or just one year. Sees the bar chart. Specific years. Adds up for each month?

Show based on seasonality trend- Summer has lot of rats.

"Count of Descriptor" should be changed to "# of rats"

Likes how everything is put together- Affecting everything else. Line chart affect map.

Areas on map are recognizable;

Burroughs are color-coded;
Pie charts show how many what?
What is this data representing?
What is a record?
Clicking on pie chart excludes other burroughs;
Thought point on map would show number of rats sighted at that point;
Everything is on the bar chart;
Bar chart filters data for all sets;
Sort chart alphabetically on location type;
Line chart doesn't specify which year we are looking at;
Based on what month of year we look at we see a trend;
It is good how everything is connected together;
Line chart affects but map doesn't affect anything

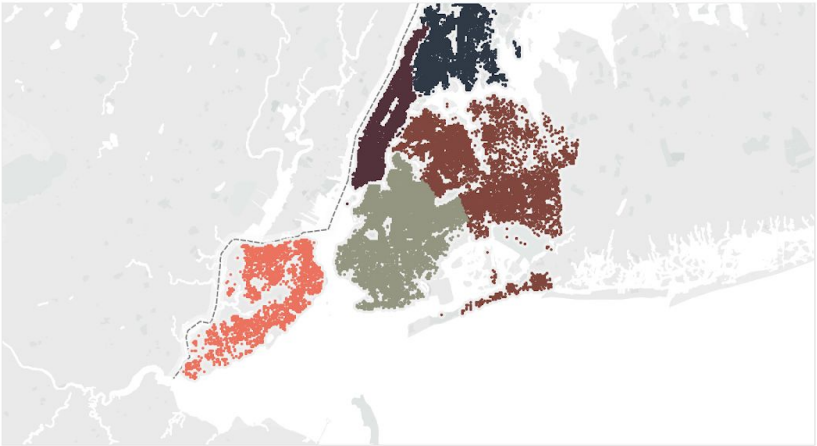
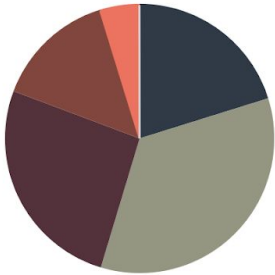
Things we Changed:

"Number of Records" was changed to "Number of Rats" for clarity
"Count of Descriptor" was changed to "Number of Rats" for clarity
Made it clearer what time frame this was (added time frame to title)
Changed map tooltip to display address of rat siting and the type of location for each address
Add labels or caption to pie chart so it is clear what it communicates.
Added slider to filter by year
Changed axes to say number of Rats

Rats in the City

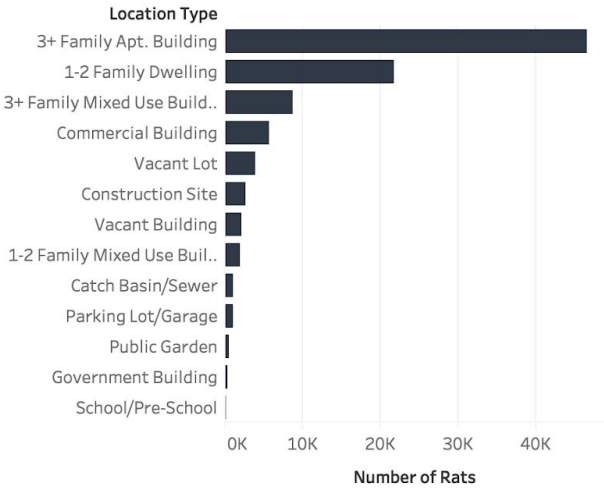
(2010-2018)

Where?

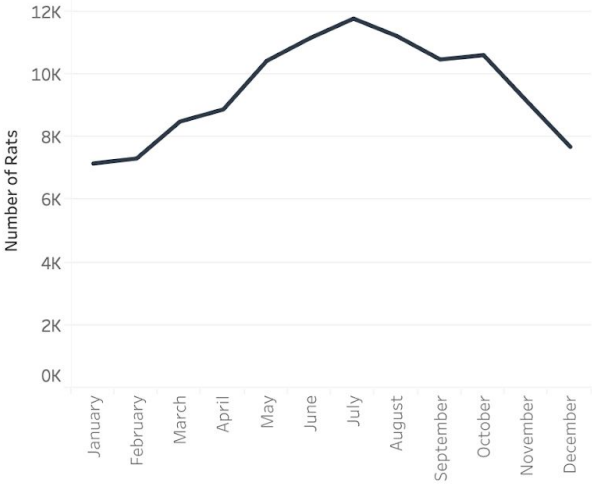


Year All

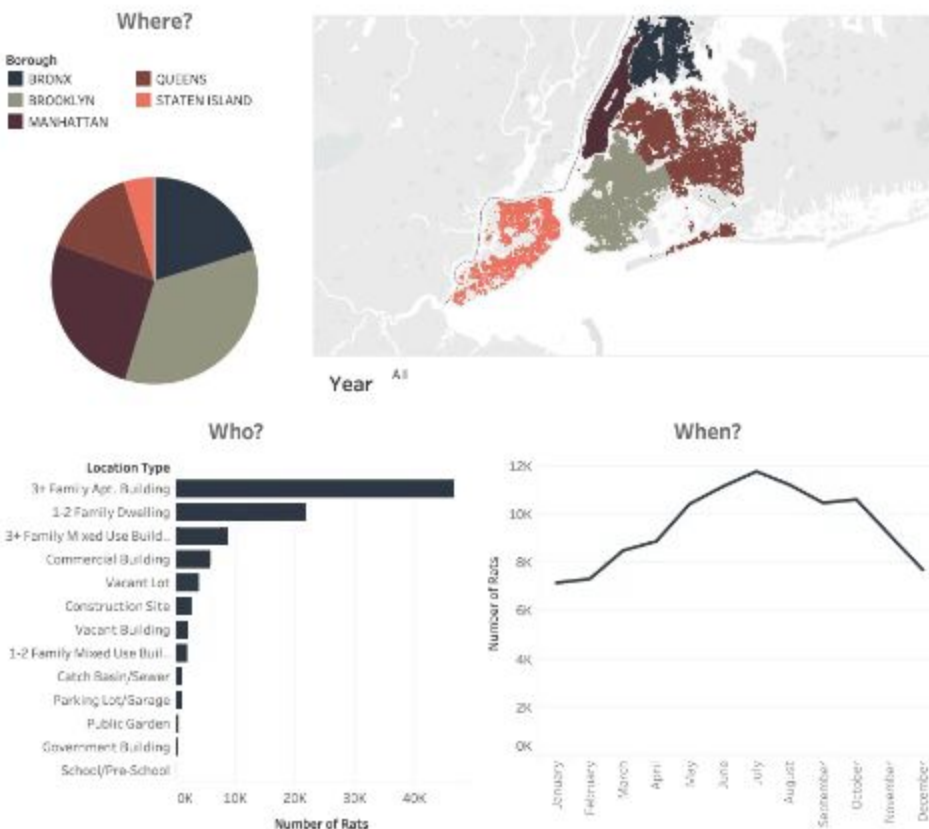
Who?



When?



Rats in the City (2010-2018)



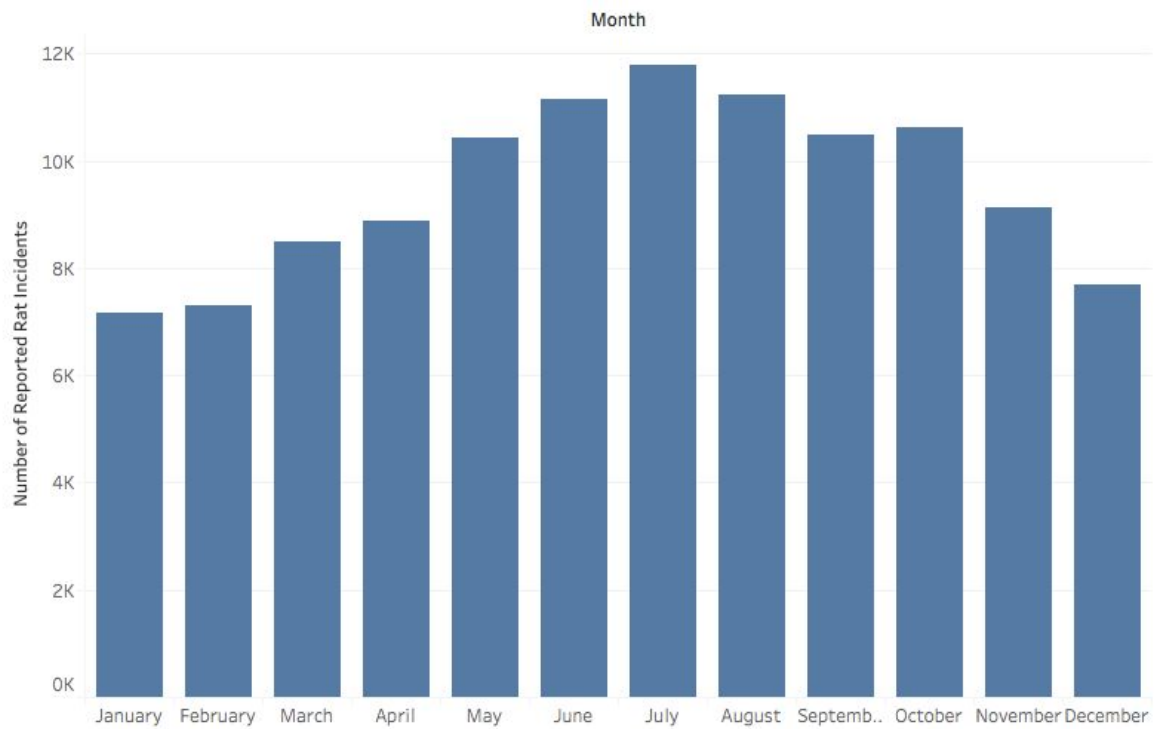
Link to Final Product:

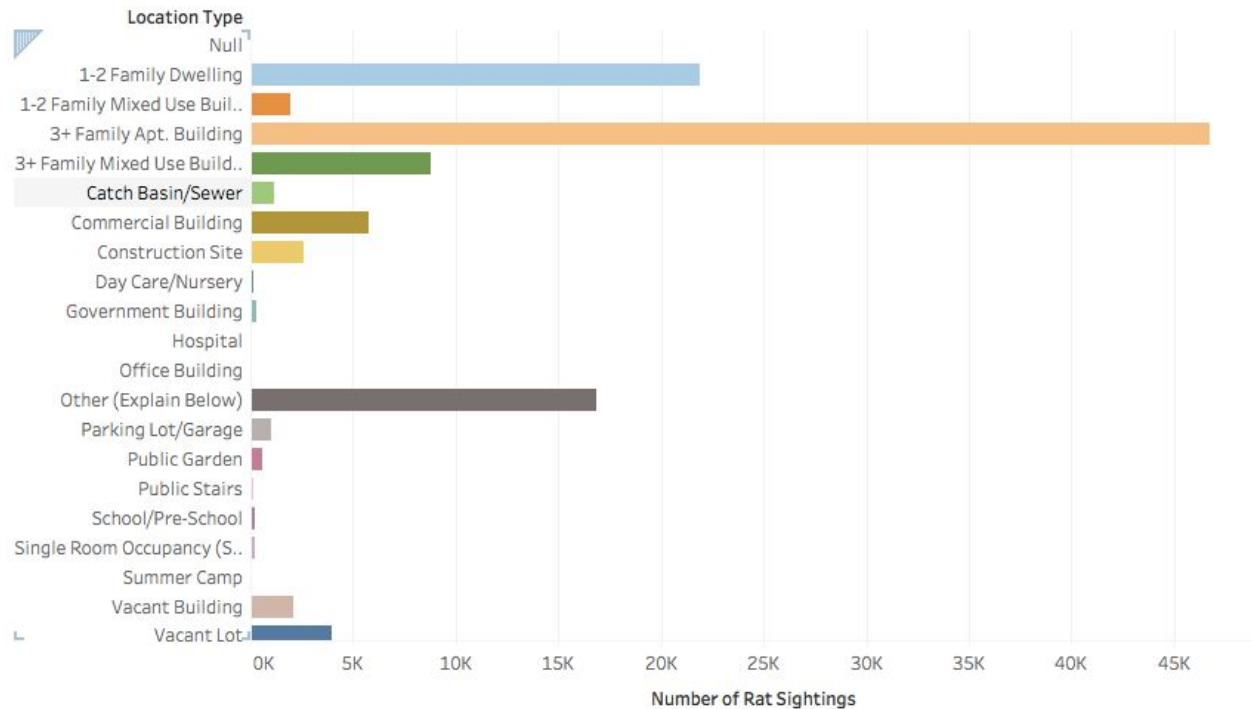
<https://drive.google.com/open?id=1UK7YxGhLqQ58xUKmTLt0hQavXa1PXSt1>

Week 3

Prototype:

There is an observable pattern of rat reports across months. We see a peak in rat sightings in the summer months, and a lack of rat sightings in the winter months. The rat sightings increase by about 80% from January to July in an given year.

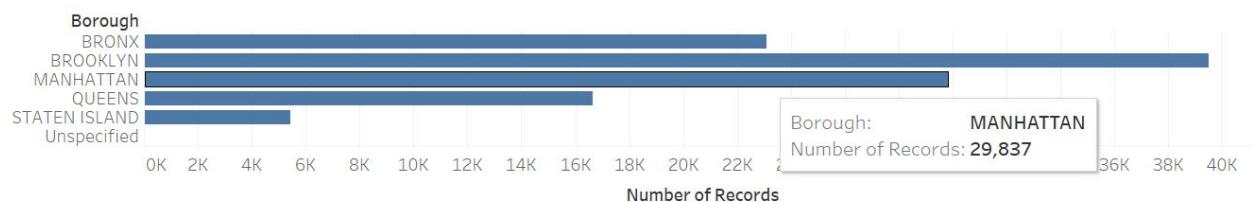




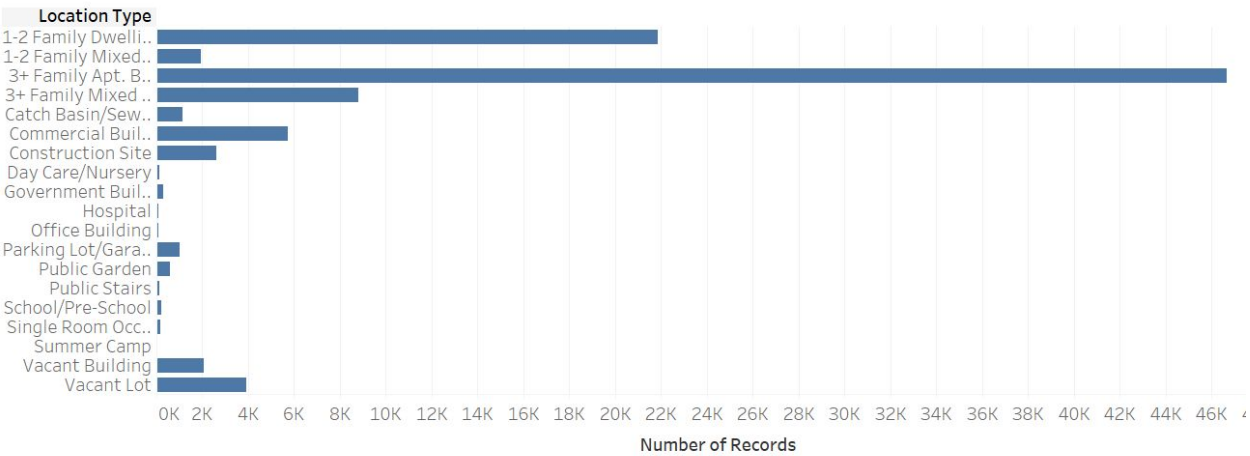
We see, reasonably, that the buildings with the most families living in them have the most rat sightings by far, indicating that the rats tend to congregate where people live. Judging by the other types of buildings, we could reasonably suggest that the rats mostly show up in the buildings where there is food present, as is to be expected from buildings that many people live in. There is a lot of food and edible trash for the rats to get into and eat to survive. However, we also see that there are zero rat sightings reported in the hospital. It is possible that the hospital does not report rat sightings, perhaps for reputation purposes, but it is also possible, and also probable, that they keep the facility very clean and don't allow rats to enter.

Week 2

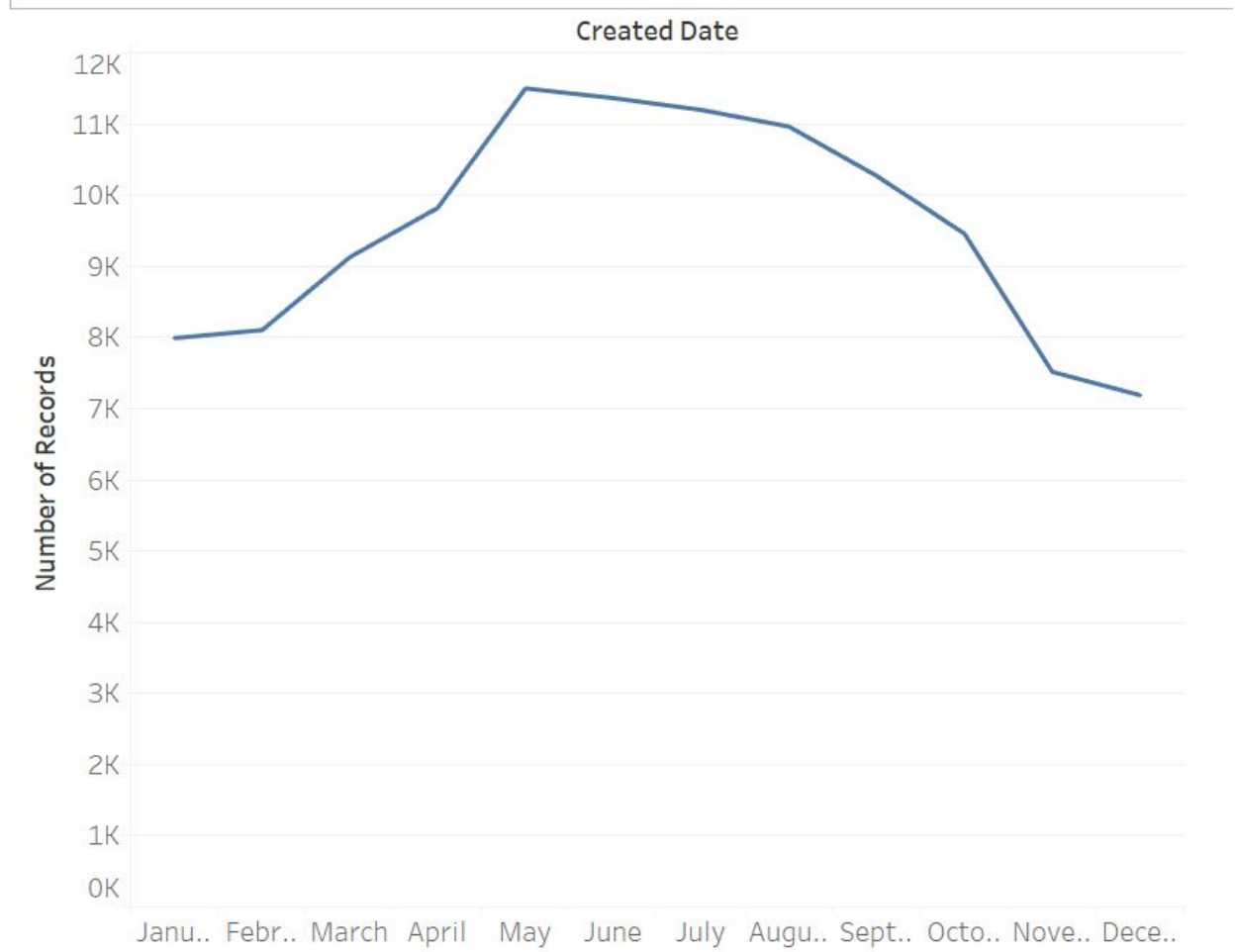
All 4 of us made 2-5 prototypes each, and then selected the best ones for a dashboard.

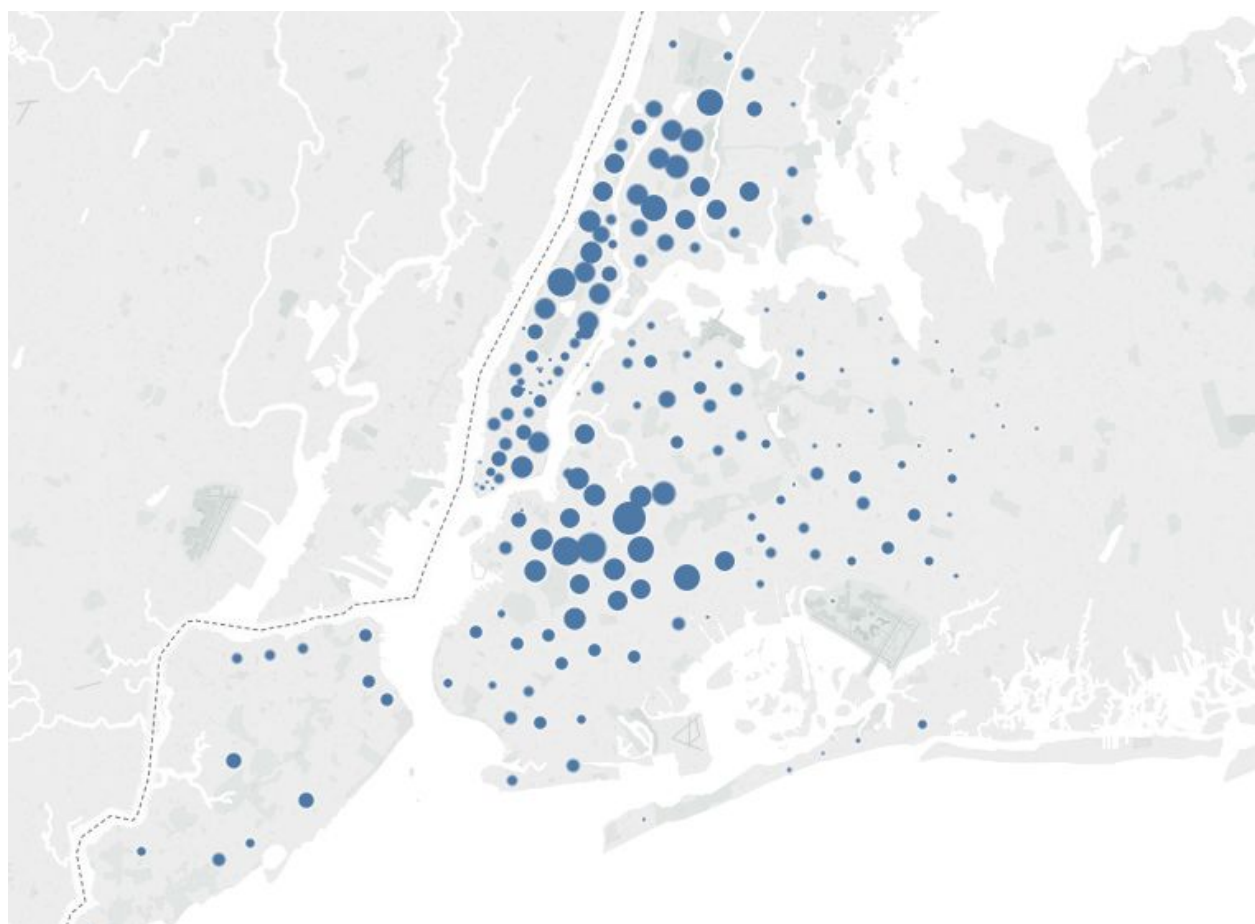


Sheet 2

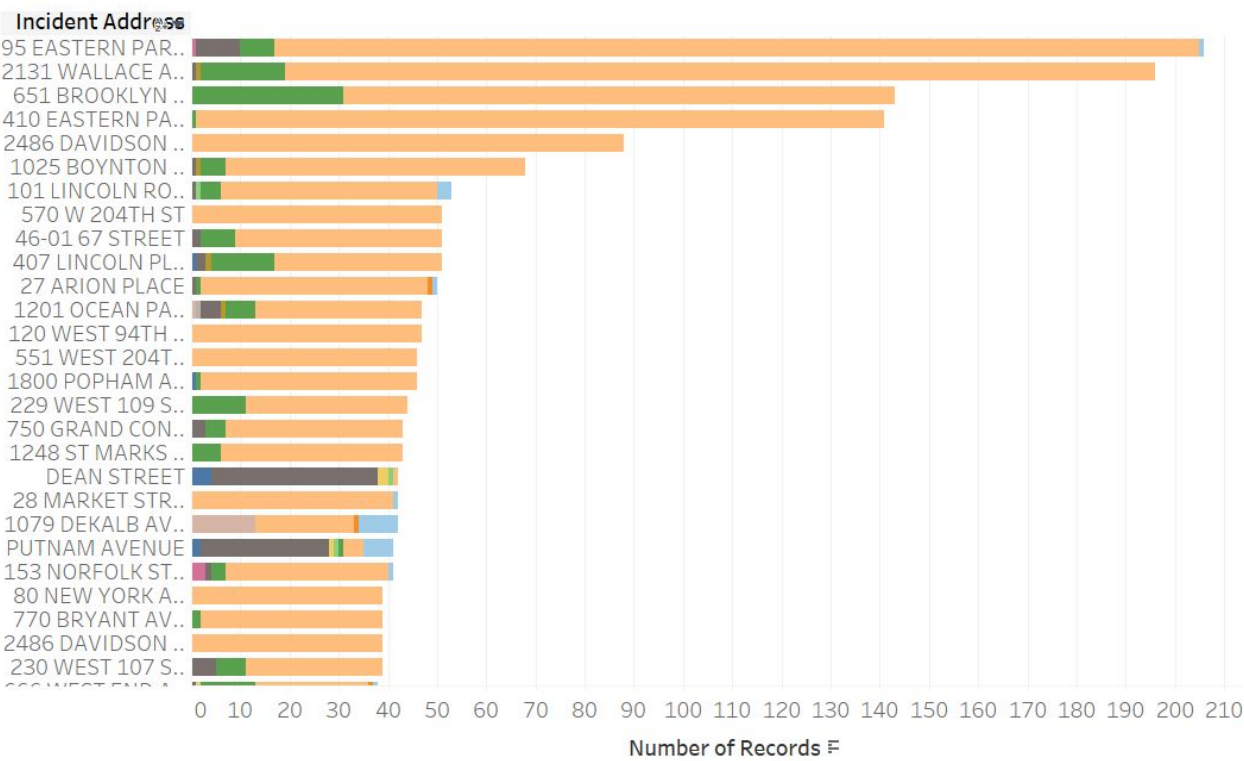


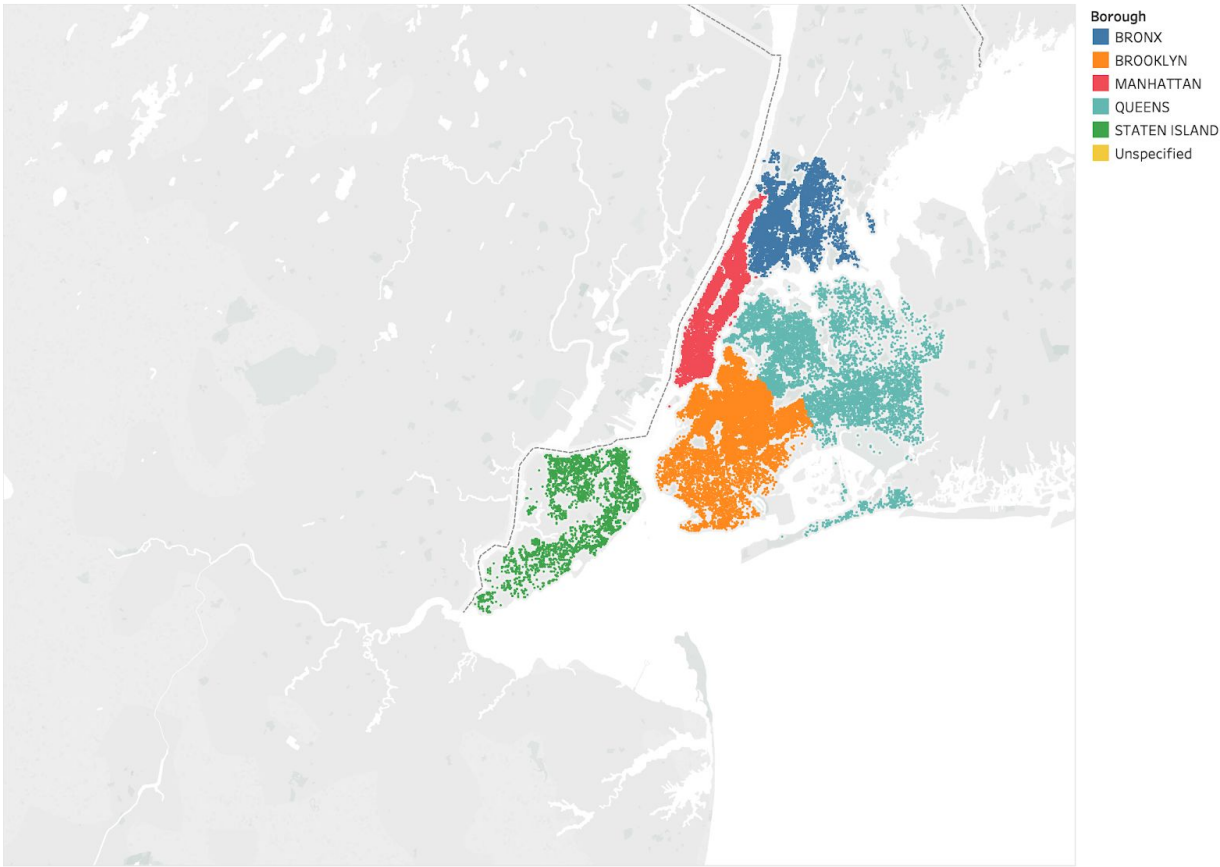
Sheet 3





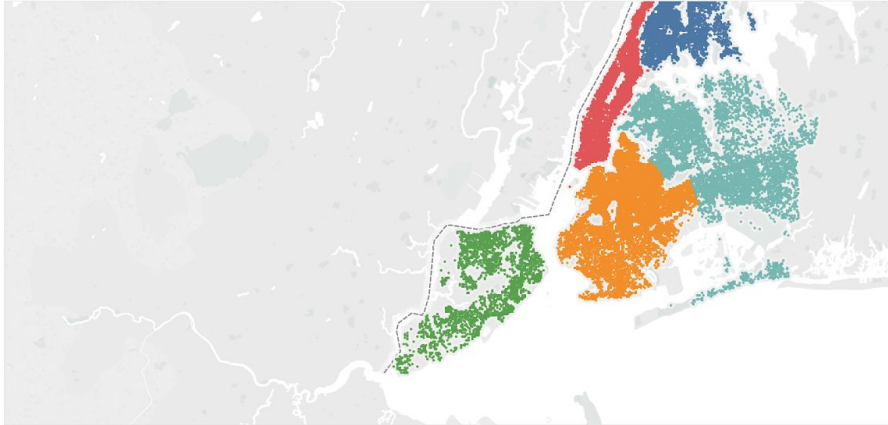
Sheet 5



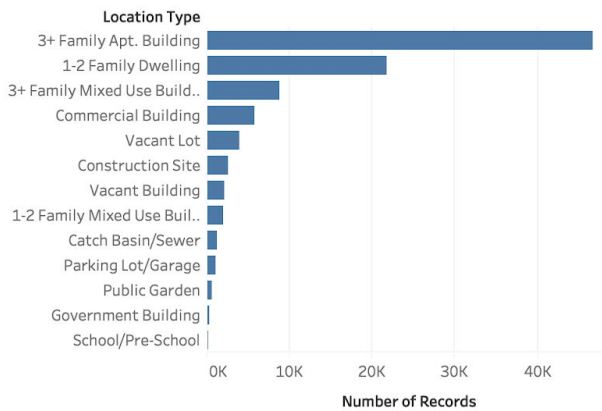


Map based on Longitude and Latitude. Color shows details about Borough. The data is filtered on Created Date Year, which keeps 9 of 9 members.

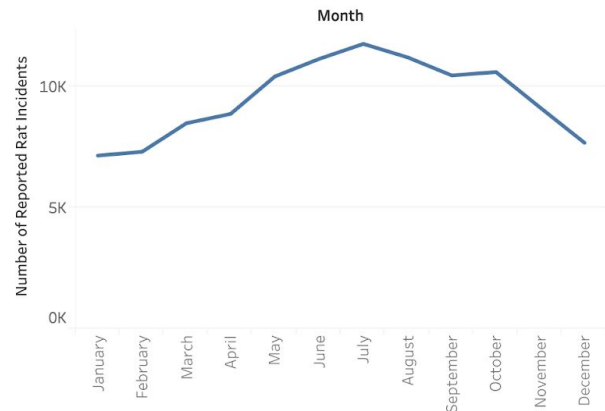
Sheet 1 (3)



Sheet 2 (3)



Sheet 2 (2)



Week 1

Some content, some images of the whiteboard, some images of sketches, etc.

Map (15 min)

- Analyze the client, audience, and specific goals
- List at least 10 interesting questions your visualizations should be able to answer

Client

- Commissioner on rodents and marsupials from the Health Department of the City of New York

Audience

- General public

Specific goals

- Overall: Show where rat sightings are most common
- Time of day, location, time of year,

>= 10 interesting questions

Location-based:

- What type of residence/location (business/home) has more sightings?
- What cross streets? Rate of restaurants v homes?
- Which areas are "being taken care of"? (Wealthier areas?)
- Areas with higher rates?
- Status ratios per borough?
- (bring in outside data: wealth of each borough?)
- Do specific streets have higher rates? → because grid systems maybe something like a heat map for correlation?
- Which zip codes have the most trouble with rodent problems?

Season/Time

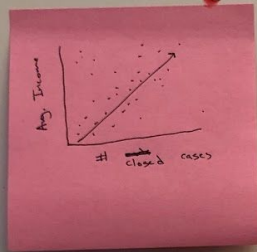
- What time of day has the highest incidence of sightings?
- What time of year has the most sightings? Seasonality?
- How does ambient temperature affect rat sightings?

Logistical

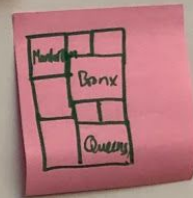
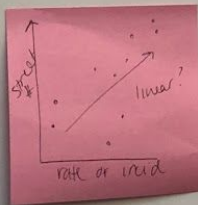
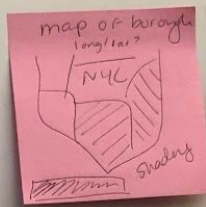
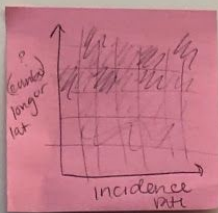
- How many open issues are there compared to closed?
- Which agency reports the most rat sightings?
- Which complaint type is the most common?
- Which types of facilities have the most rat sightings?

Sketch (10 min)

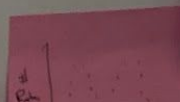
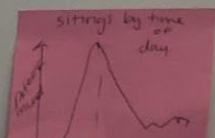
logistic



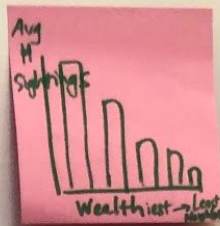
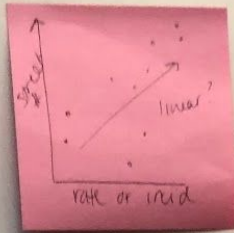
Location



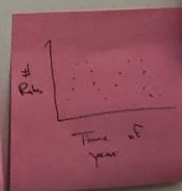
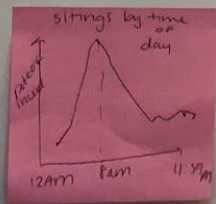
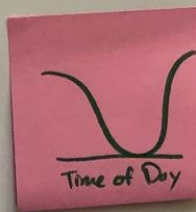
Time



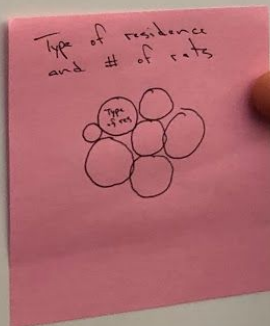
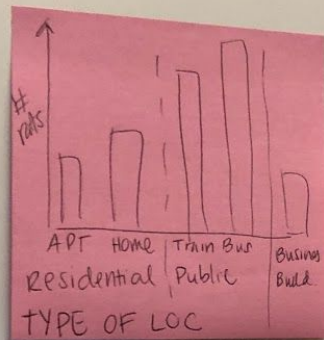
incidence rate



Time

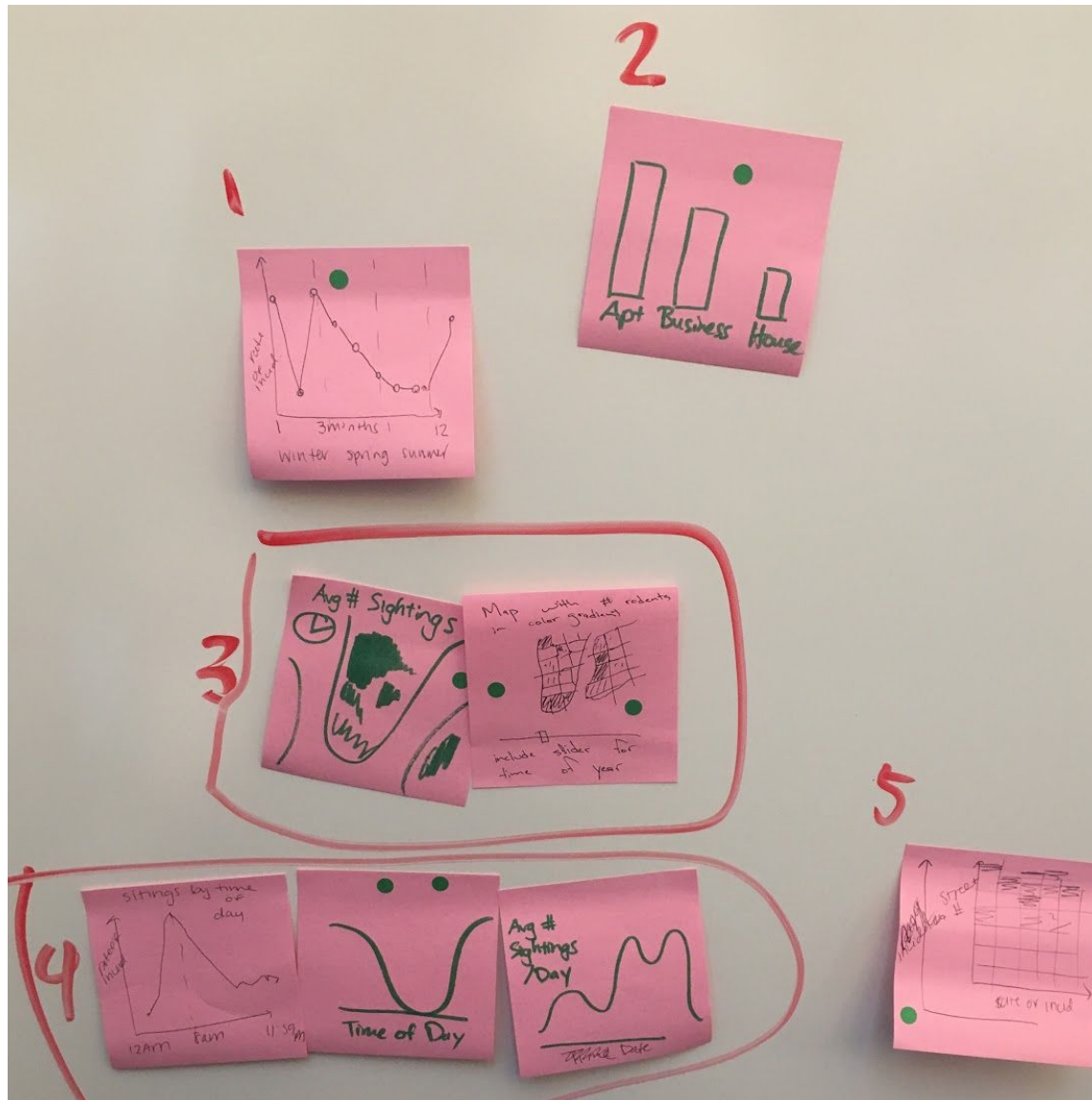


Building



Decide

- Please note some sketches are duplicates (they are grouped by number)

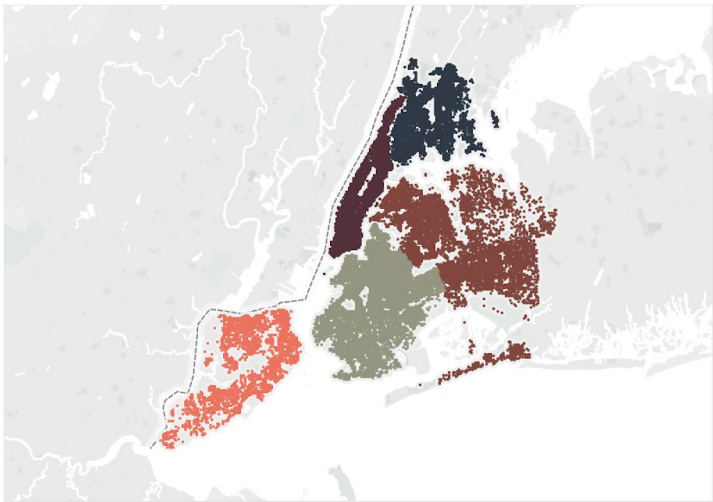
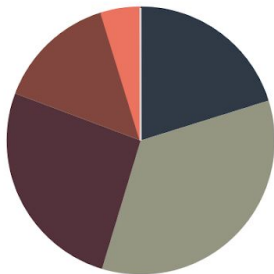


Rats in the City

Where?

Borough

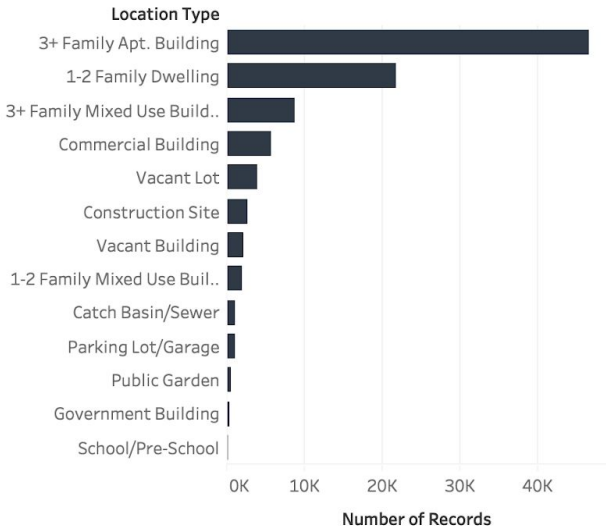
- BRONX
- BROOKLYN
- MANHATTAN
- QUEENS
- STATEN ISLAND
- Unspecified



Year

- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018

Who?



When?

