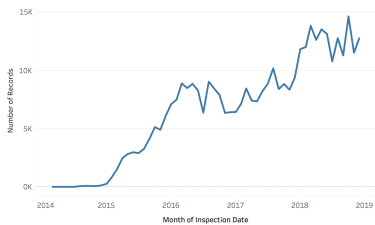
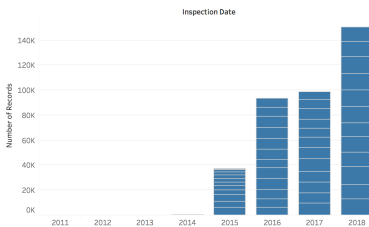


- **Question 1:** How does the number of inspections change over time (use month as the level of temporal granularity)? Does the number of inspections increase or decrease over time? Are there any peak times? Is there any seasonal effect (like inspections being more common during certain seasons or months)?

Sheet 1



Sheet 2

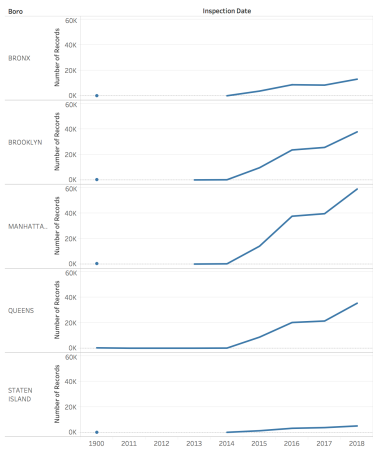


Inspections are increasing over time. As shown in both charts. There are trends downward around November and July as can be seen from Sheet 1, however, using the stacked bar chart on Sheet 2 the monthly distribution appears much more even.

- **Question 2:** Is there any difference in how the number of inspections changes over time in the 5 different boroughs of New York City?

The chart displays the number of records for five New York City boroughs from 1900 to 2018. The y-axis represents the 'Number of Records' (0K to 60K), and the x-axis represents the 'Inspection Date' (1900 to 2018). The data series are: Bronx (blue), Brooklyn (orange), Manhattan (green), Queens (red), and Staten Island (purple). All boroughs show a general upward trend in the number of records over time, with a significant increase starting around 2013.

Inspection Date	BRONX	BROOKLYN	MANHATTAN	QUEENS	STATEN ISLAND
1900	0	0	0	0	0
1910	0	0	0	0	0
1920	0	0	0	0	0
1930	0	0	0	0	0
1940	0	0	0	0	0
1950	0	0	0	0	0
1960	0	0	0	0	0
1970	0	0	0	0	0
1980	0	0	0	0	0
1990	0	0	0	0	0
2000	0	0	0	0	0
2010	0	0	0	0	0
2012	0	0	0	0	0
2014	0	0	0	0	0
2016	0	0	0	0	0
2018	0	0	0	0	0



All the different boroughs have yearly increases in total inspections. Manhattan has the greatest total number of inspections in 2018.

- **Question 3:** How are cuisines types distributed across the New York area? Are there geographical areas where certain cuisines tend to concentrate (that is are there any areas where certain cuisines are more prevalent than others)?  
NOTE: focus only on the top 5 most frequent “Cuisine Description” categories.

Sheet 4

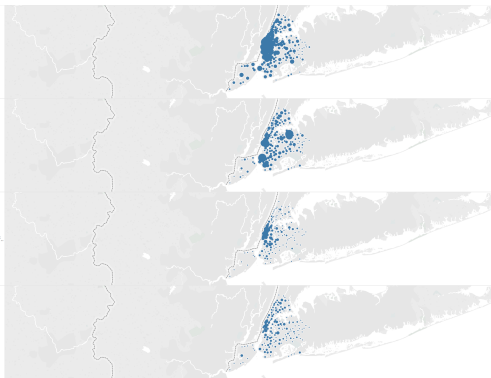
Caféin, P

American

Chinese

Caféin/Caféin

Pizza





Geo-spatial plot of the top 5 Cuisine types. Chinese has 3 notable geographic areas with high concentrations of restaurants.

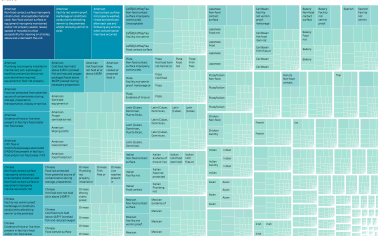
- **Question 4:** How does the average score compare across different cuisine types? Are there cuisines that tend to have consistently lower/higher average scores compared to the others?  
NOTE: focus only on the top 5 most frequent “Cuisine Description” categories.

## Sheet 5

Cuisine Description	≡
Chinese	13.700
Italian	13.207
Pizza	12.192
American	12.172
Café/Coffee/Tea	10.678

Average score of the five  
most common categories.

- **Question 5:** Is there a relationship between cuisine type and violation? For instance, do some cuisine types tend to have more of some type of violations than other cuisine types?



Two Chart showing violation per cuisine type. Non-food contact surface violation is common for many cuisine types. The violation types are distributed evenly across cuisine types.