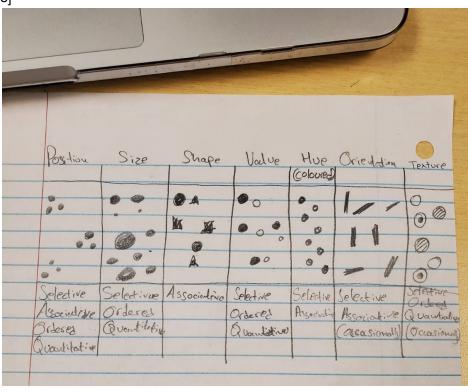
2.

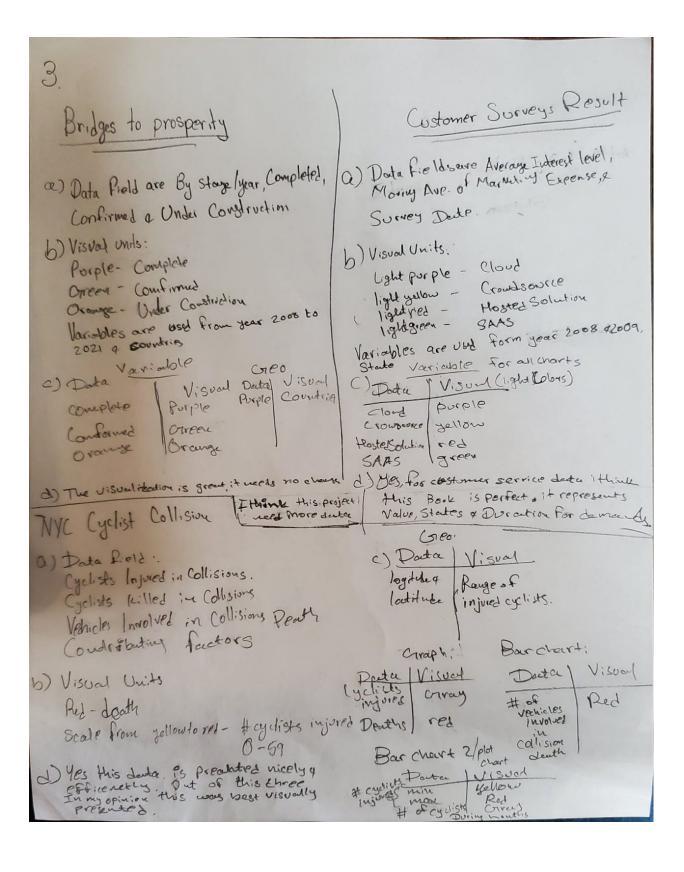
a Jaques Bertin defined marks as basic units and developed a number of methods, including position, scale, shape, or colour, for these units. These changes are referred to as optical variables. Many features may be found in each of these variables. Optical characteristics are sometimes also known as visual features.

b]Visual variables are how map components can be regulated by symbology or visual appeara nce. Such artistic methods can be used to create an image, to provide detailed spatial details and to create a dynamic structure that the map viewer can recognize.

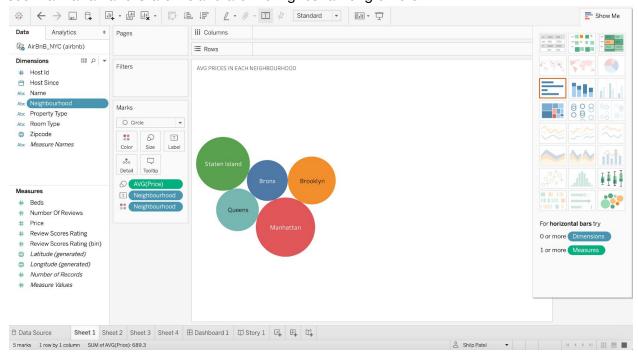
c]



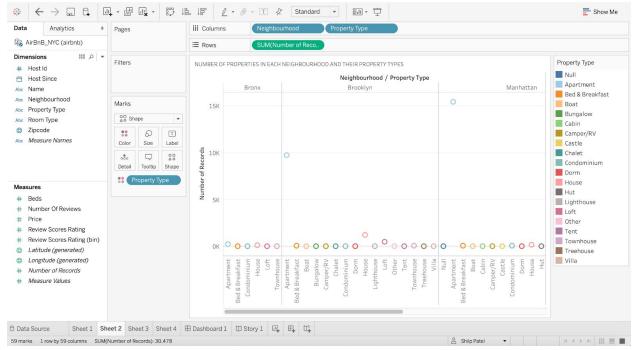
3.



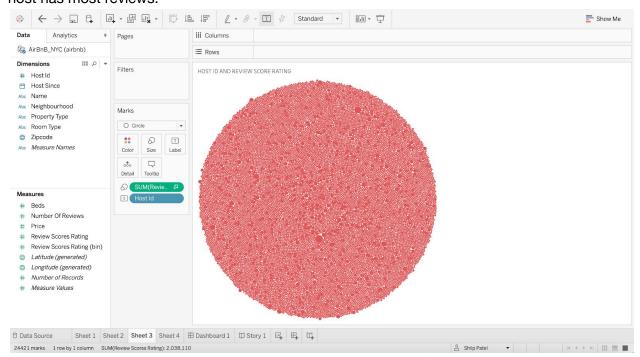
This visualization represents the average rate per night for each neighbourhood and as we can see Manhattan and Staten island are the highest among others.



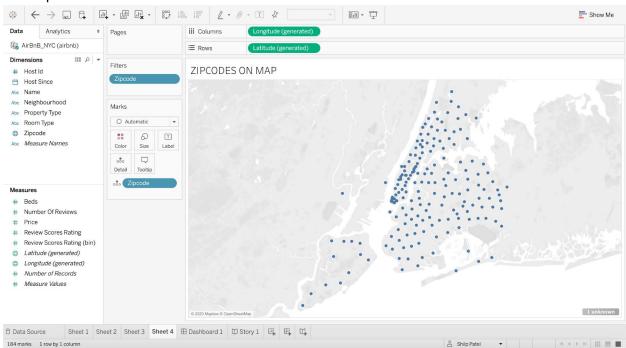
This visualization represents the number of available properties types in each neighbourhood and as we can conclude Manhattan and Brooklyn have most apartment properties available.



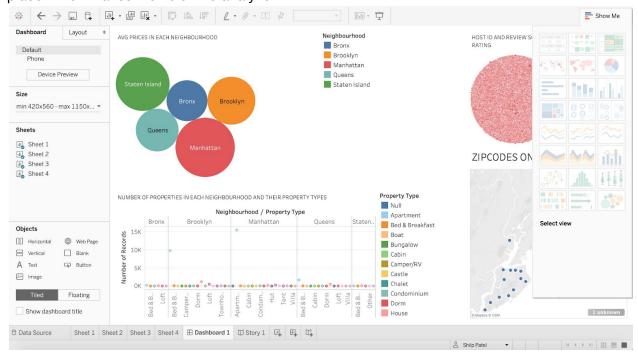
This visualization represents host id and their number of reviews, the biggest the circle is that host has most reviews.



This visualization represents the zipcodes of new york, and shows where each is located on the map.



This the dashboard with all four visualization. It represents an overview of all the sheets in one place which makes it efficient to analyze.



This is a Story which helps us to represent important questions of the data and use the visualization to show the accurate analysis to answer the question.

