Data Visualization QBS 180
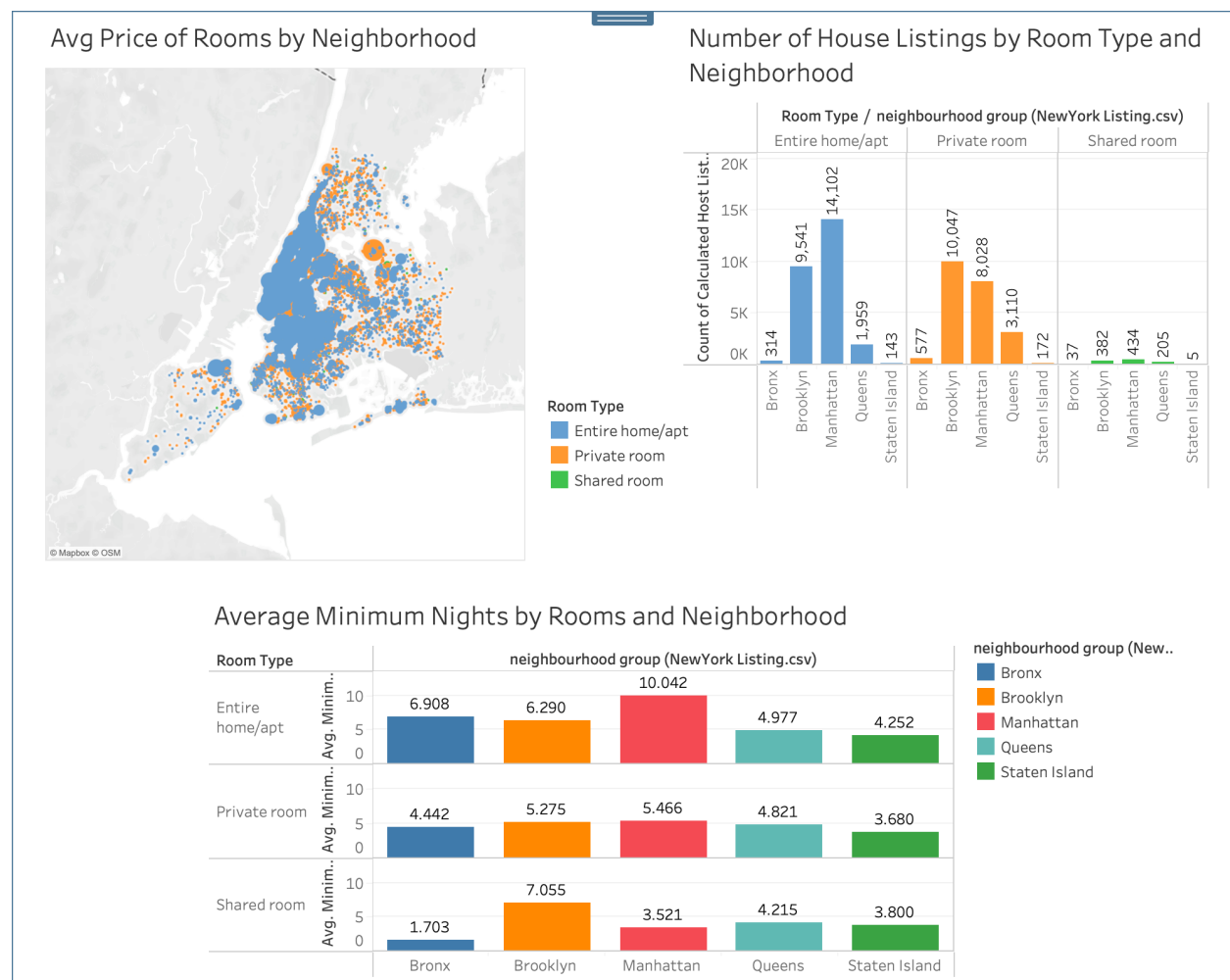# Homework -questions

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1. Create a dashboard using these 3 datasets (source AirBnB):
a) NewYork_Listing.csv,
b) reviews_NY.csv,
c) neighborhoods_ny.csv.
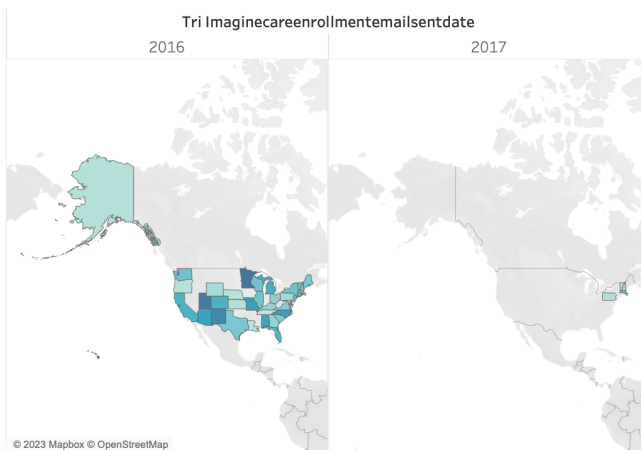Please also provide a brief story about your findings.

I attempted visualizing prices per room across different neighborhoods, Manhattan seemed to be most costly place to stay, shared rooms were cheapest amongst different room types analyzed. Brooklyn had more shared rooms, that were booked per night. Brooklyn had more private rooms available on listing, while Manhattan had more rooms in the size of entire home and few around 434 rooms that classify under shared room available on listing.
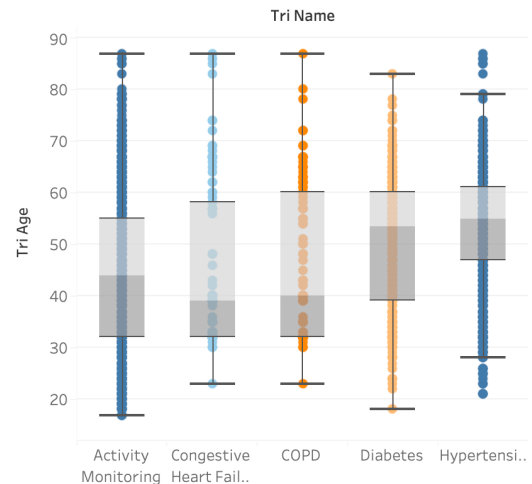
2. Imagine that you are a data scientist hired to create a dashboard for the leadership. Use the tables
   a) IC_Contact
   b) IC_Conditions
   c) ImagineCare_Text
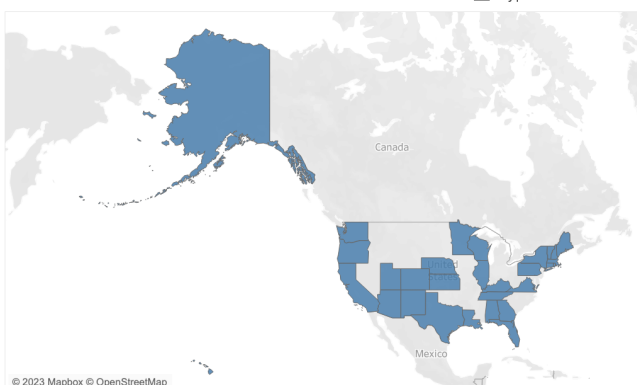   and a build a dashboard which can give some insights into the data.

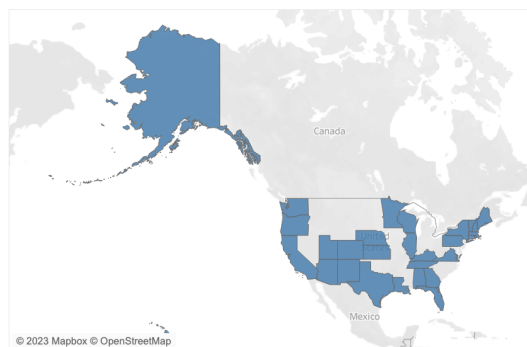### Average Enrollment by Age Group Across States

Disease by Age Groups

Prevalence of Hypertension by States

Higher Ages relate to Hypertension

Hypertension seemed to be prevalent in more than 20 states in the United States, based on the data there was some correlation between higher age groups and hypertension cases reported, except for Alaska, where average age group was 32. The boxplot distribution above supports this assumption. I also created a map-based visualization for enrollment of different age groups by different states, while most of the states reported higher age groups taking medical assistance, states like Alaska, Pennsylvania had average age groups of 32 years requiring enrollment. In the year 2017 however, these states reported fewer cases except Pennsylvania, New Hampshire, etc.