

### Overview of the Data

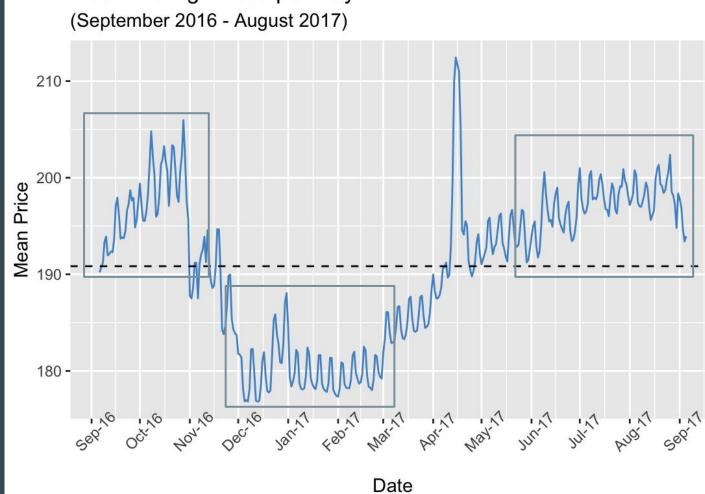


#### Calendar - Trends in Listing Prices vs. Time

# How do Airbnb listing prices fluctuate over the course of the year? Sub-questions:

- What the peak/off seasons for listings in Boston?
- Do major events in the city influence listing prices?
- Correlation with rental market?



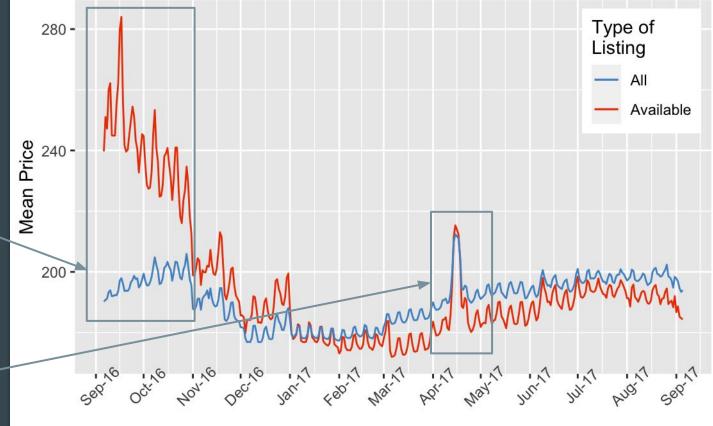


## Other Observations:

Start of long term (year-long) lease agreements

April break for schools and universities / 2017 Boston Marathon

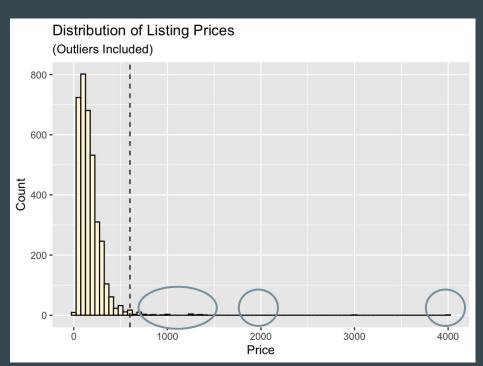




Date

### Before discussing analysis of the Listings Dataset ...

### Data Management / Cleaning Process



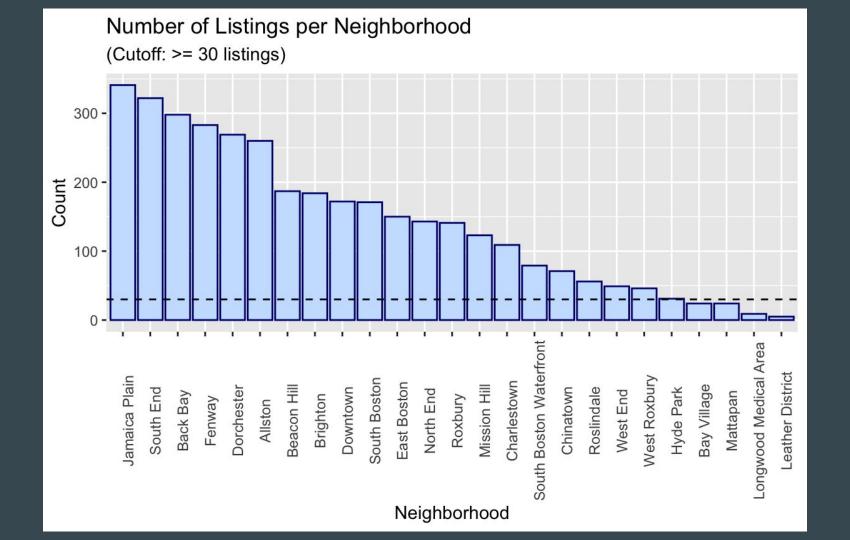


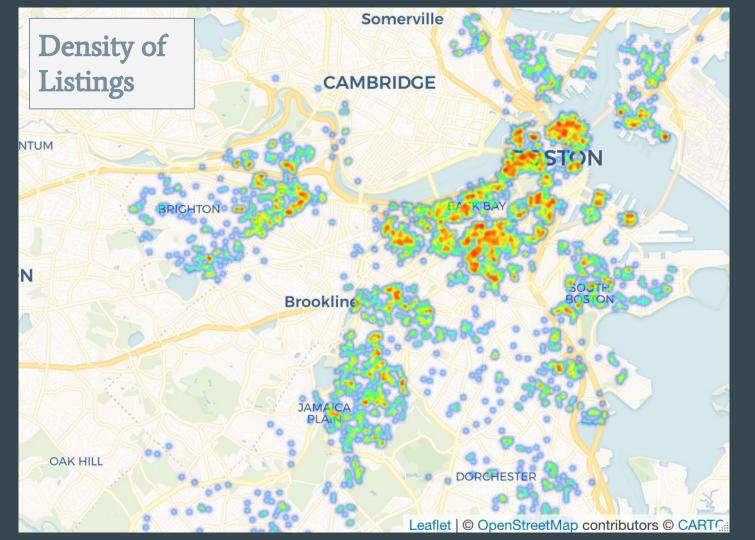
#### **Listings** - Number of Listings vs. Neighborhood

# How does the number of listings vary within each of Boston's neighborhoods?

Sub-questions:

- Which neighborhoods in Boston have the most/least amount of listings?
- Which neighborhoods in Boston have the highest amount of listings/ per area?





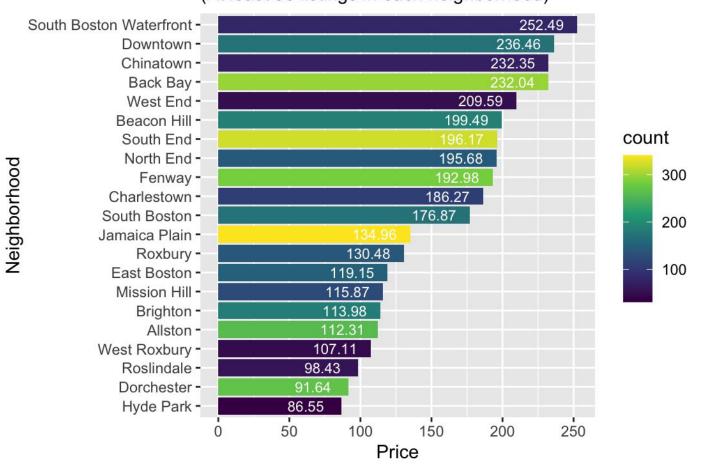
### **Listings** - Listing Prices vs. Neighborhood

## How do listing prices vary within each of Boston's neighborhoods? Sub-questions:

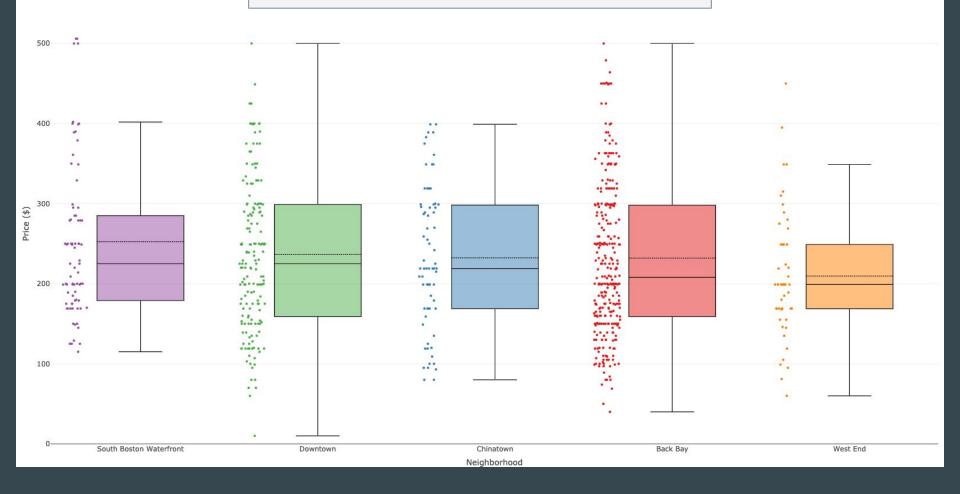
• Which neighborhoods in Boston have the most/least expensive listings?

### Mean Listing Price per Neighborhood

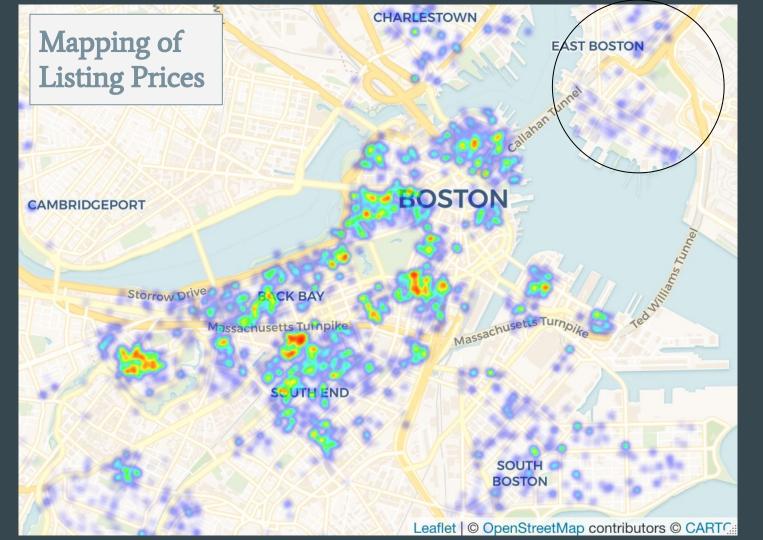
(At least 30 listings in each neighborhood)



### Listing Price per Neighborhood - Most Expensive





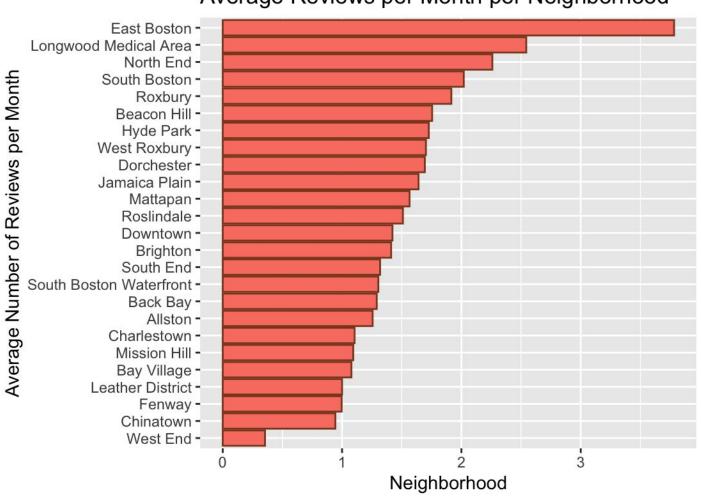


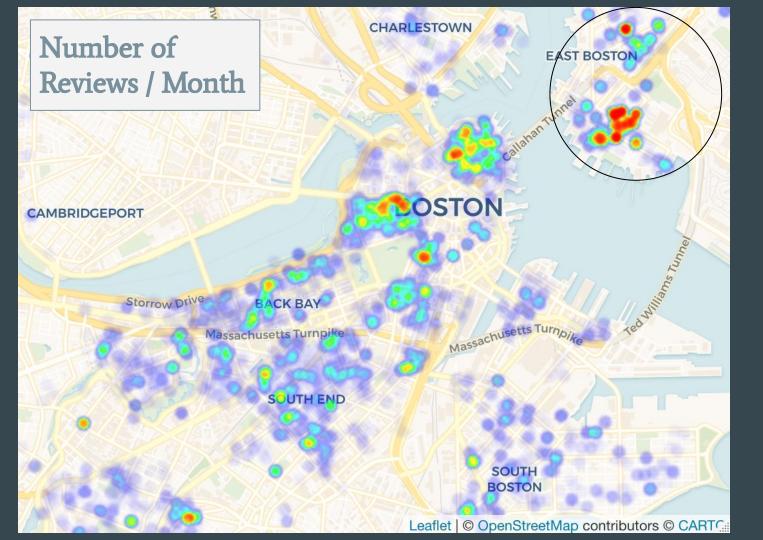
Popularity (Reviews) vs. Neighborhood

### Which are the most widely booked areas of Boston?

 Using the reviews/month ratio as a metric of popularity, which areas are most commonly selected?

#### Average Reviews per Month per Neighborhood

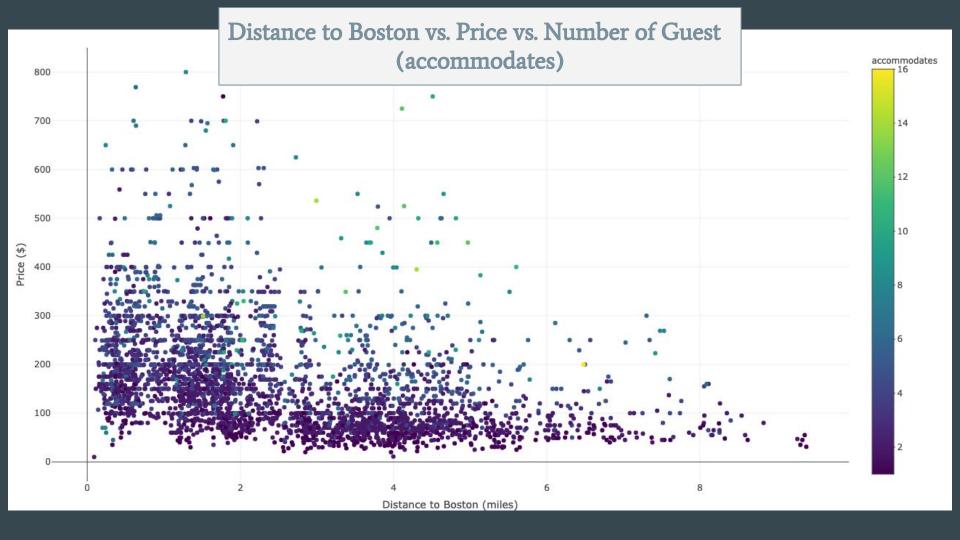




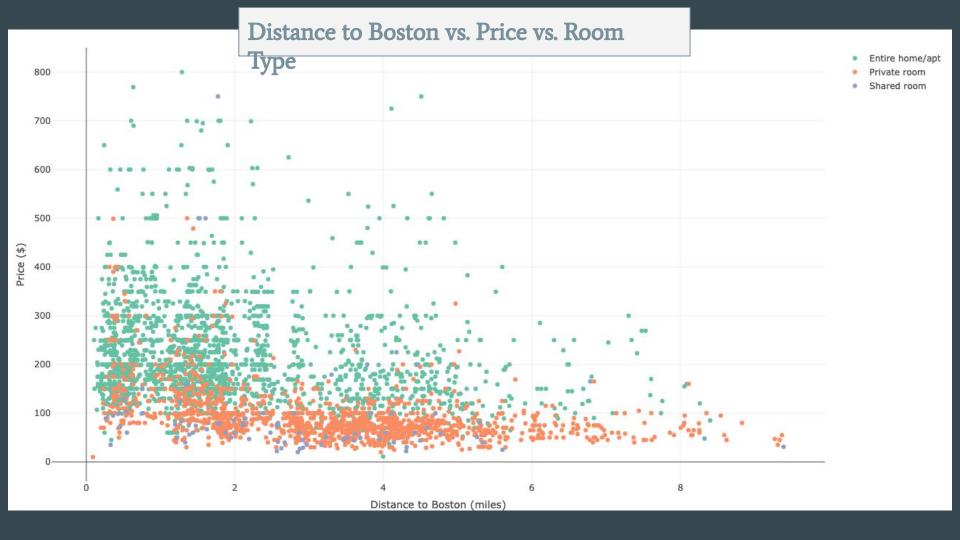
Distance from Boston vs. Price (vs. Type of Listings)

## How does the distance from Boston effect price? Types of listings? Sub-factors:

- Number of Guests (accommodates)
- Property Types
- Room Types







### **Concluding Thoughts**

- East Boston
  - Relatively low listing prices
  - Moderate amount of listings
  - High traffic / popularity
     (Suburban pricing while being much closer to the heart of Boston just over the bridge!)
- Long term commitments
  - Sync to traditional leasing pattern (Fall start date)

### ...and Next Steps

- Multi Linear Regression
  - Better understanding of listing prices and predictor variables (those covered & amenities, bed count, bath count, etc.)

# Thank you!

Any questions?