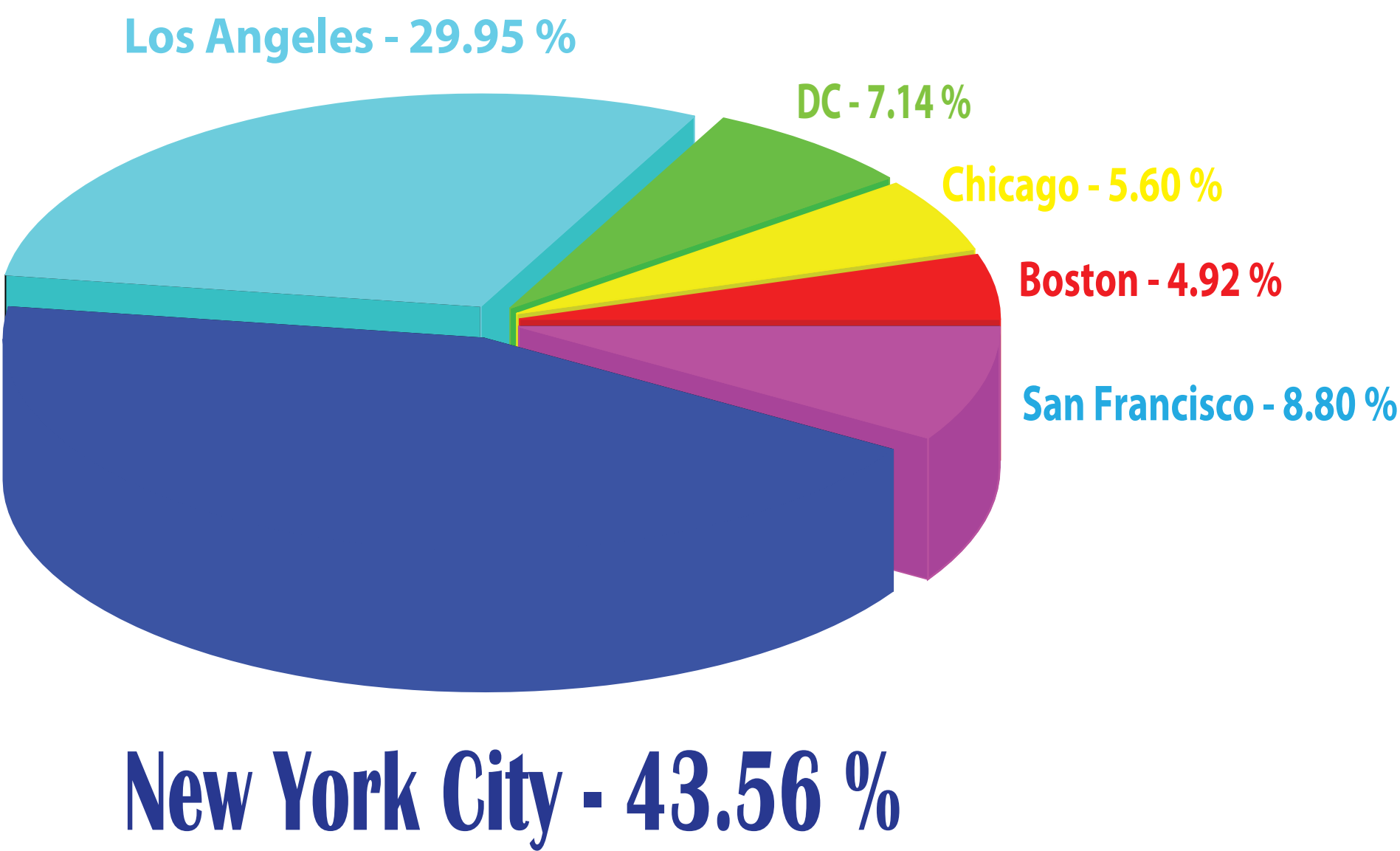


Airbnb Listings for Major US Cities

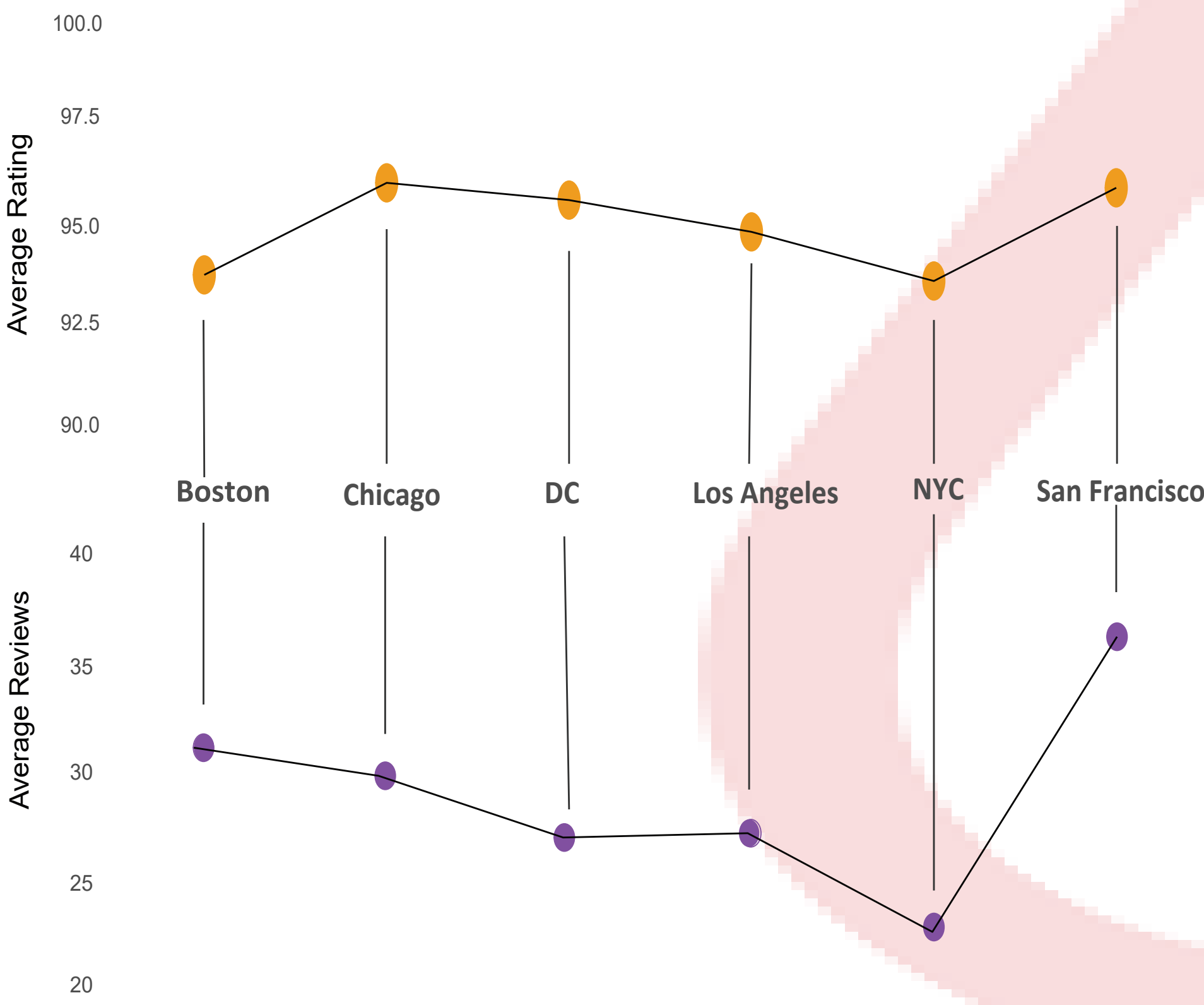
Vidisha Badhe
IST 719 Information Visualization | Syracuse University

Listings 74k
Cities 6
Property type 32
Years 2009 - 2017

Which city has the maximum listings?



What is the average ratings and reviews for the cities?



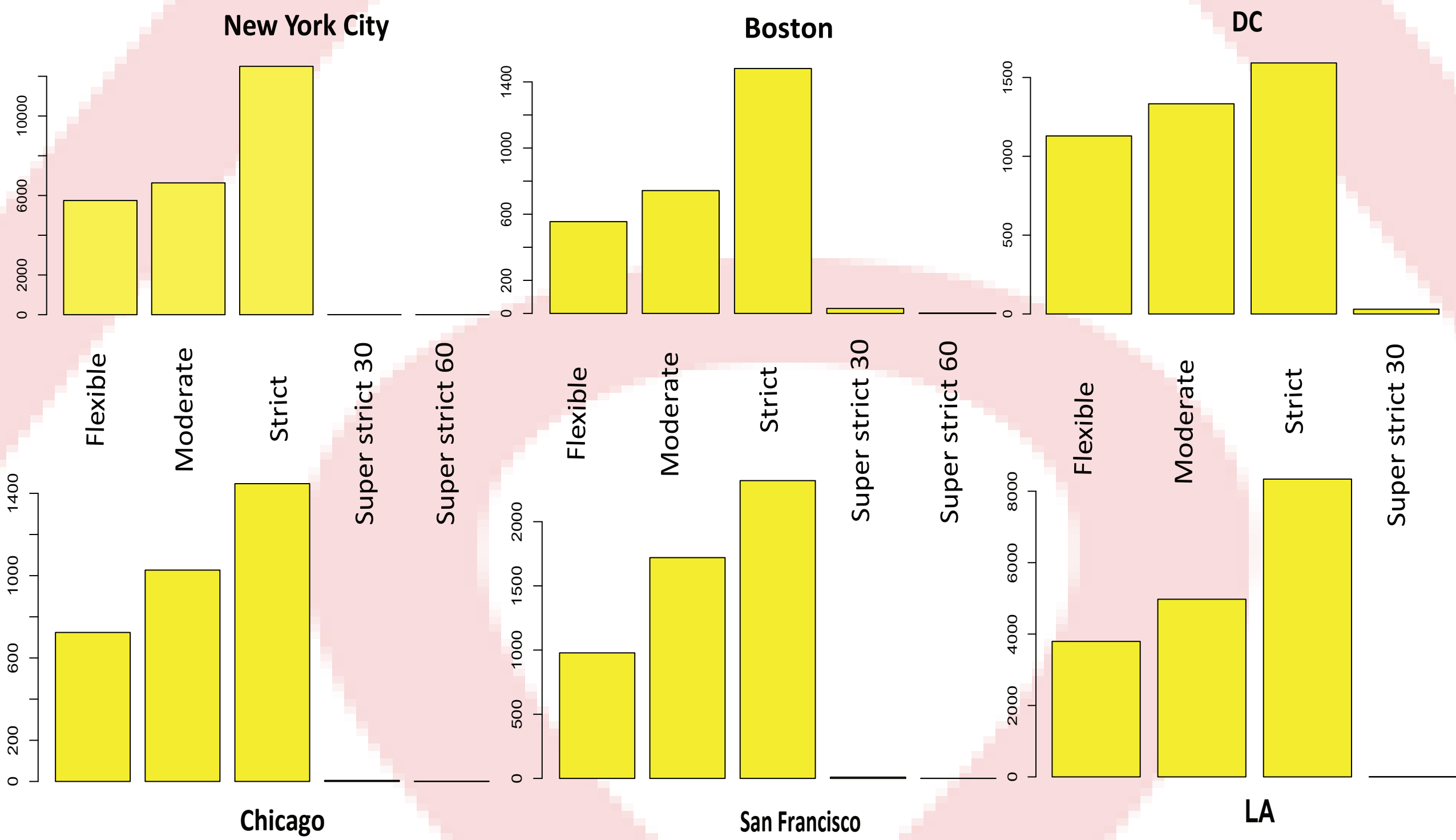
Abstract

The dataset has a great potential in terms of deciding which cities have good listings and the cities which are preferred most by the customers. This can also be beneficial for the listers in deciding what kind of facilities they need to provide the customers with and where their business can reap more profits.

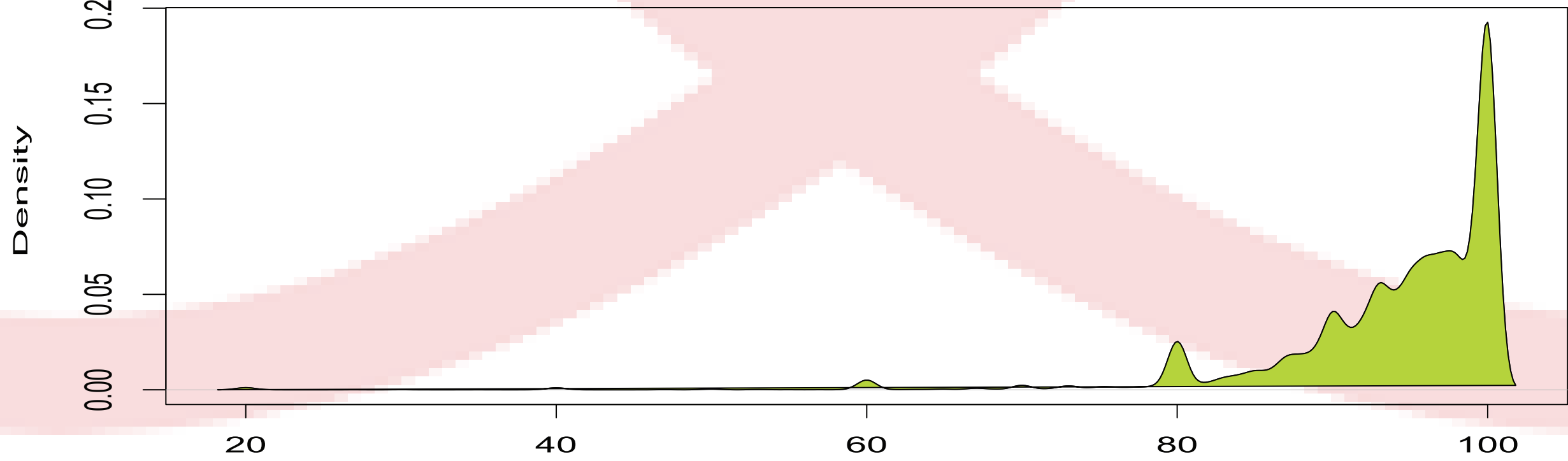
The audience who might be interested would be a) the customers who want to book a room or apartment through Airbnb b) Customers who want to list their property on Airbnb or c) Employees at Airbnb who want to analyze the record of listings and revenue.

Questions which would be answered by this dataset are a) Which city has the maximum number of listings? b) Which city has the highest average rating? c) What is the distribution of price across the cities? d) Does strict cancellation policy affect the customer ratings?

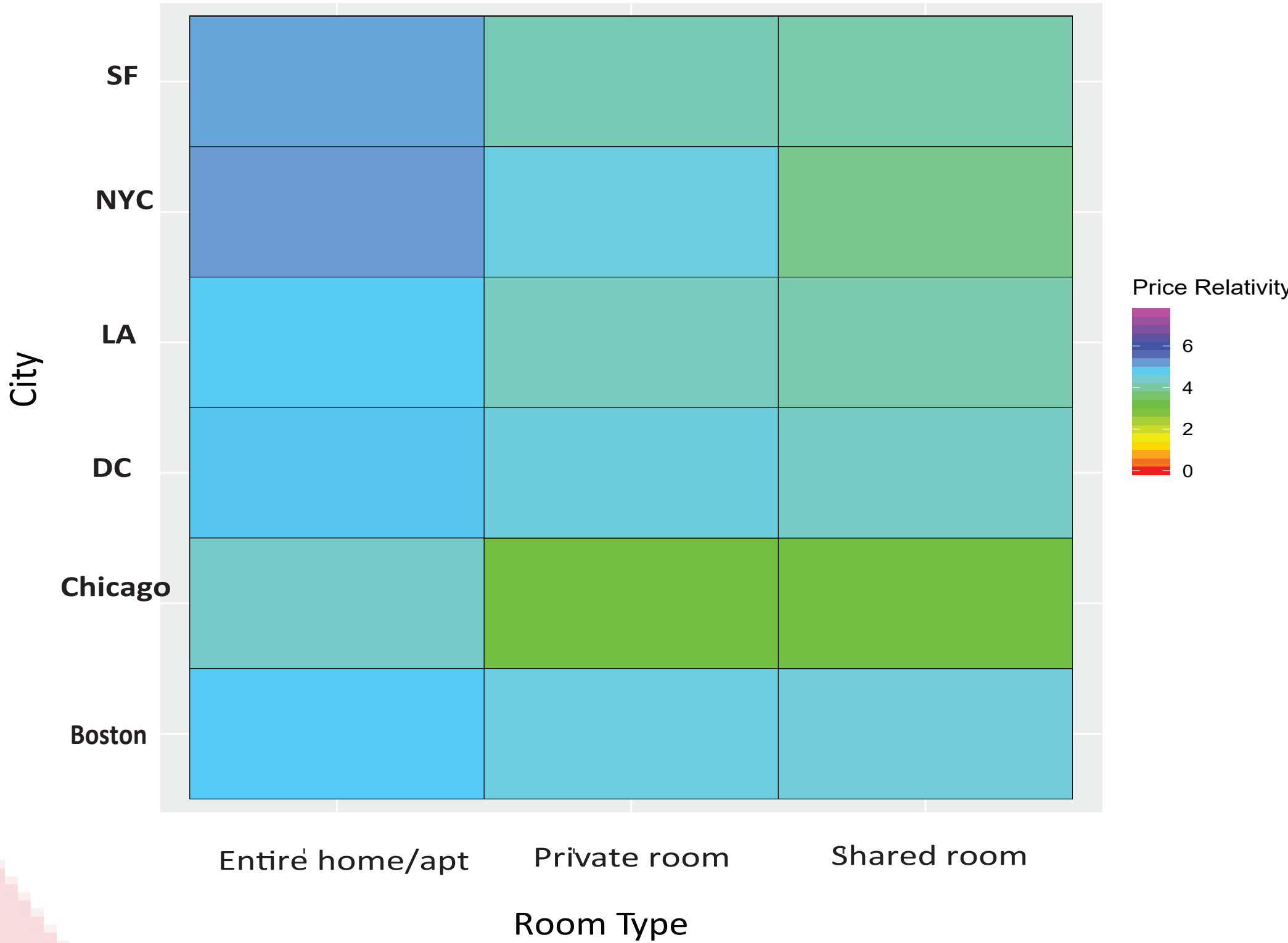
Cancellation Policy according to cities



Distribution of Ratings for all listings



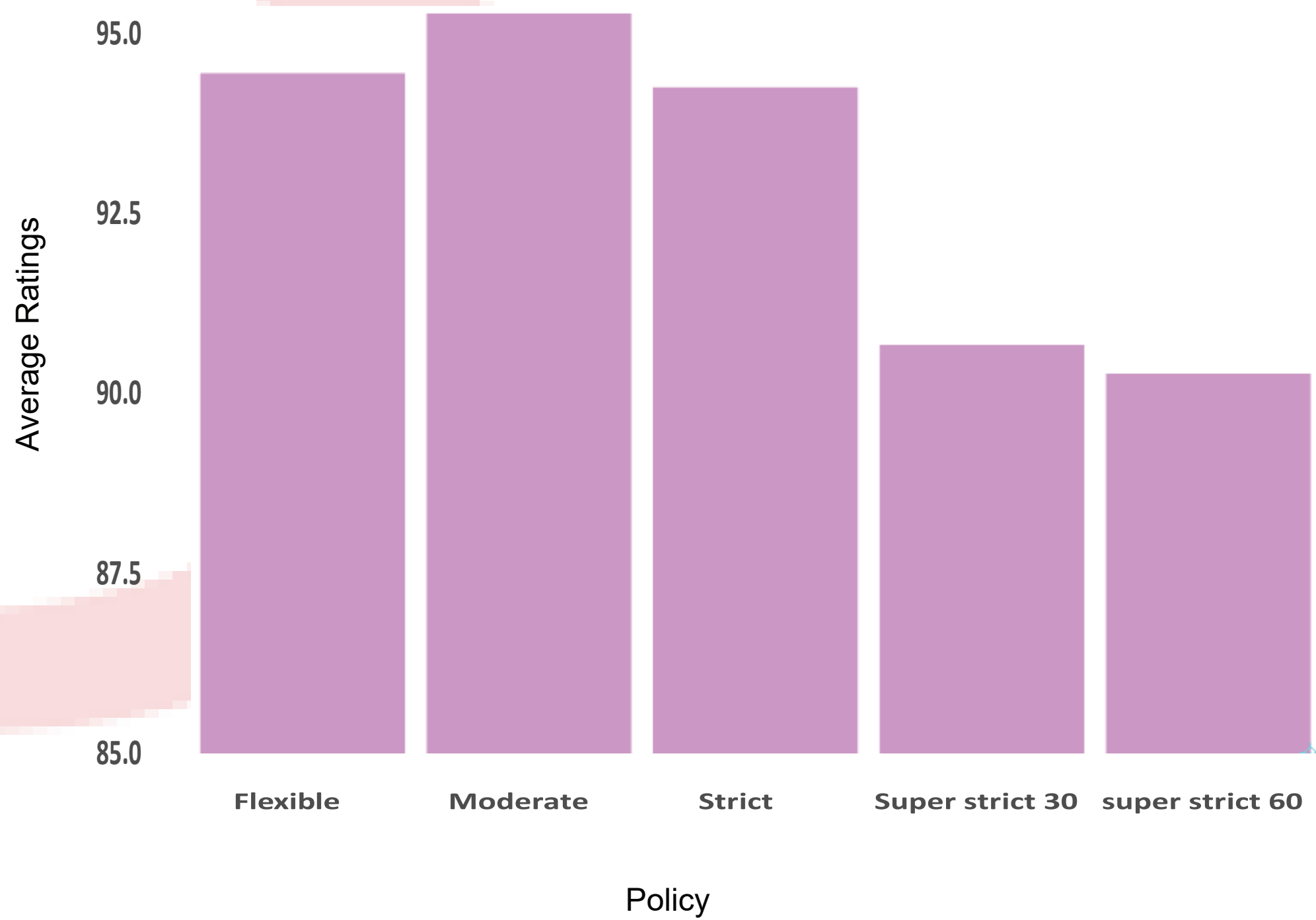
What is the distribution of price across cities?



Data Description

The dataset is retrieved from Deloitte Machine Learning Competition posted on Kaggle. The dataset has 74112 rows and 29 columns. It describes each listing by its type, policy, reviews from customers, pricing etc. Each listing also has information about its owner and their responsiveness.

Does Strict cancellation policy affect customer ratings ?



REFERENCE:
AirBnB listings in major US cities - Retrieved from
<https://www.kaggle.com/rudymizrahi/airbnb-listings-in-major-us-cities-deloitte-ml>

PACKAGES: plotrix, RcolorBrewer, ggplot2
AUTHOR: Vidisha Sanjay Badhe