Will Amsterdam attract more tourists than New York in the future?

Group 9

Data

10 Years (2009-2019)
Amsterdam & New York

Unique Listings

New York – 48,378 records
Amsterdam – 20,245 records

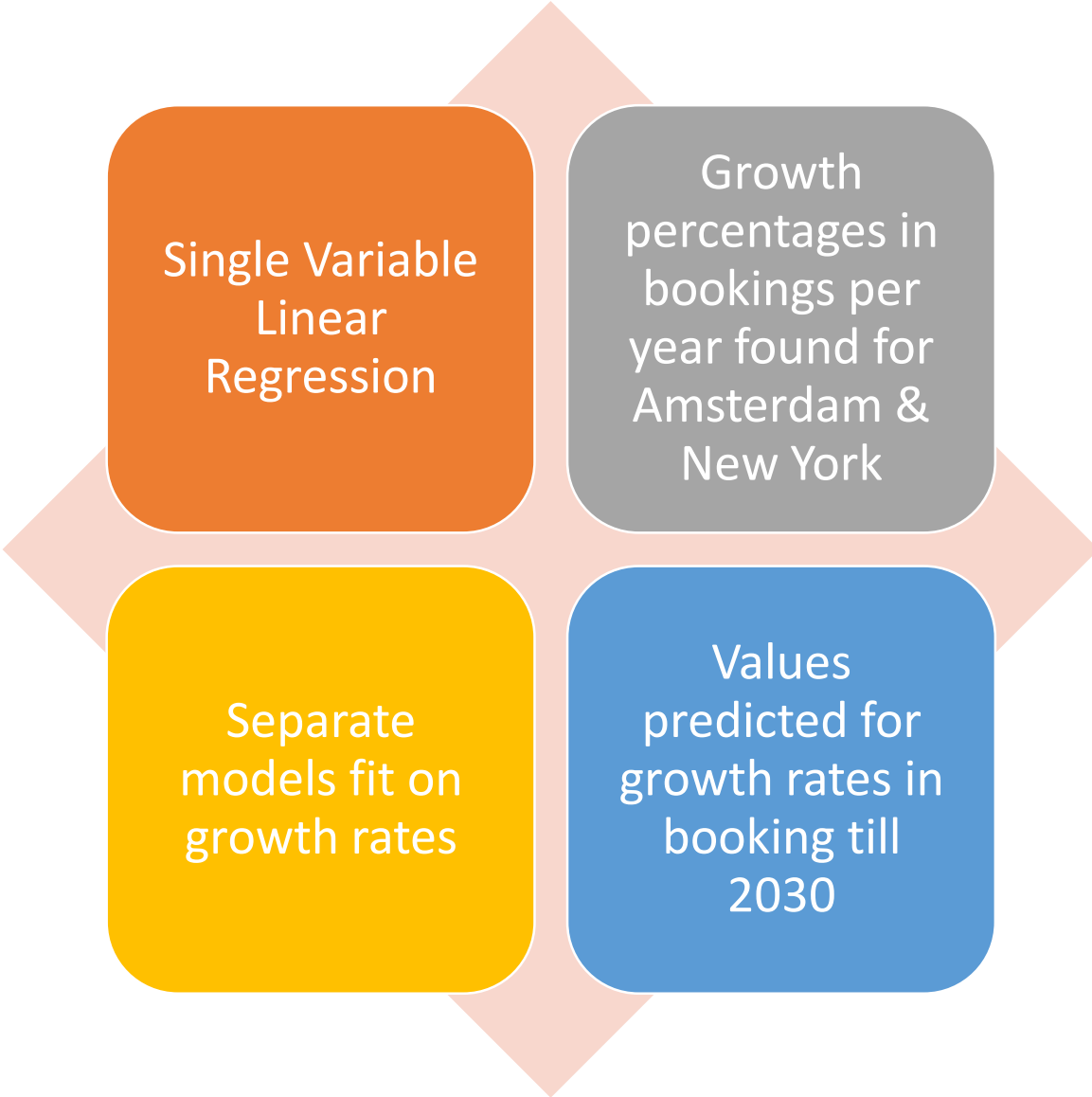
Unique Reviews

New York – 1,166,689 records
Amsterdam – 484,508 records

Attributes

Price, Ratings, Reviews, Bookings, Host Id, City, Neighborhood, Host Verification

Machine Learning



Interesting Findings

Bookings in the summers increased for both cities

Host verification does not affect number of bookings

A higher rating resulted in a greater number of bookings

Growth Rates in bookings for both cities decrease over the years

Amsterdam growth rate decreases in a steeper manner than New York, hence tourism to be greater in New York in the future

Learning Outcomes

How to group a large amount of data by multiple features to get the required result

How to merge and join two separate data frames

How to explore and analyze data using different graphs such as line graphs, bar graphs and scatterplots

Basic application of machine learning

Thank You!