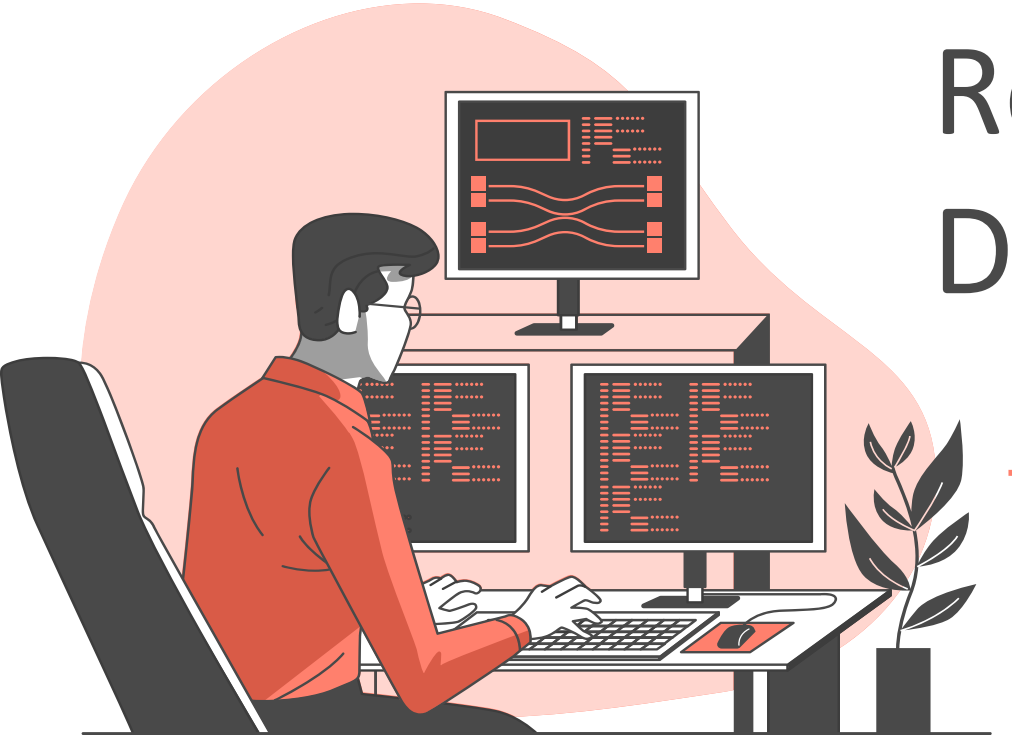
Riyadh Restuarants Dataset



T5 Bootcamp Data Science Project

Fai Abdulrahman Albadri

01

Project Goal

Project Goal

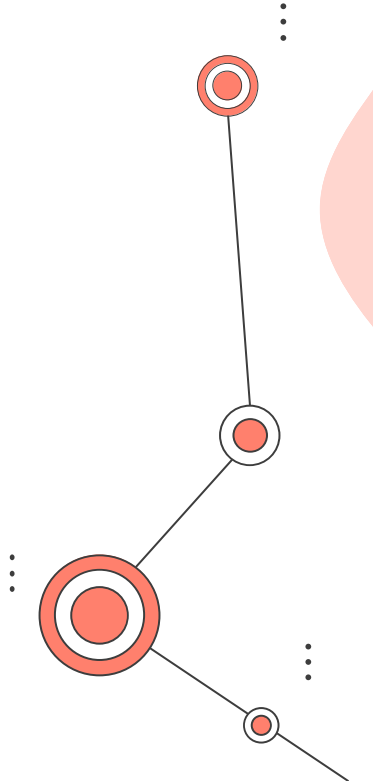
The goal of our project is to see different reastuarants from different categories and prices and discover the most retuarants customer prefare. And show the relationships between the features in each restuarant.

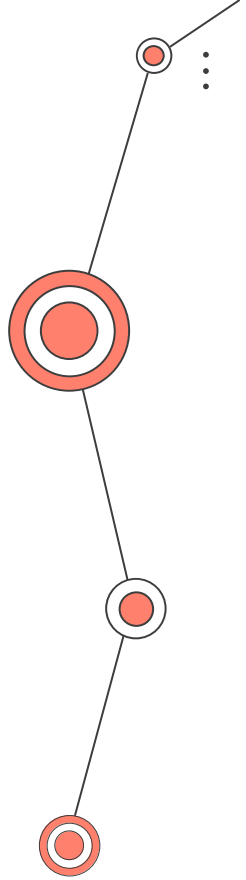
02

Data Set

DataSet

It contains 19360 Restaurant , each Restaurant has 11 features





DataSet

	name	categories	address	lat	lng	price	likes	photos	tips	rating	ratingSignals
0	مطعم وقت الشواية	Afghan Restaurant	الرياض 14723, المملكة العربية السعودية	24.518983	46.656981	Moderate	0.0	0	0	0.0	0.0
1	ديوانية عكاظ	Café	الرياض 14726, المملكة العربية السعودية	24.518511	46.669149	Cheap	0.0	2	0	0.0	0.0
2	شاهي جمر راعي الجمس	Coffee Shop	الرياض 14726, المملكة العربية السعودية	24.519314	46.670041	Cheap	0.0	0	0	0.0	0.0
3	عدير الشام	Afghan Restaurant	المملكة العربية السعودية	24.519520	46.671660	Moderate	0.0	0	0	0.0	0.0
4	Dunkin'	Donut Shop	الرياض, المملكة العربية السعودية	24.525001	46.433944	Cheap	29.0	90	1	8.9	32.0
...	...	...	...	...	...	...	...	...	...	...	...
19356	Tav restaurant	Halal Restaurant	المملكة العربية السعودية	24.939902	46.715187	NaN	0.0	0	0	0.0	0.0
19357	First Time	Coffee Shop	الرياض 13455, المملكة العربية السعودية	24.942522	46.712326	Cheap	1.0	0	0	0.0	0.0
19358	شاورمو	Fast Food Restaurant	الرياض, المملكة العربية السعودية	24.941936	46.712764	Cheap	0.0	2	0	0.0	0.0
19359	MammaRoti cafe	Café	King khaled international airport, الرياض, الم...	24.942363	46.712423	Cheap	11.0	14	2	6.1	17.0
19360	Klijaz Foodtruck كليجز فودترك	Food Truck	الرياض 13316, المملكة العربية السعودية	24.939546	46.764950	Cheap	8.0	21	2	7.8	8.0

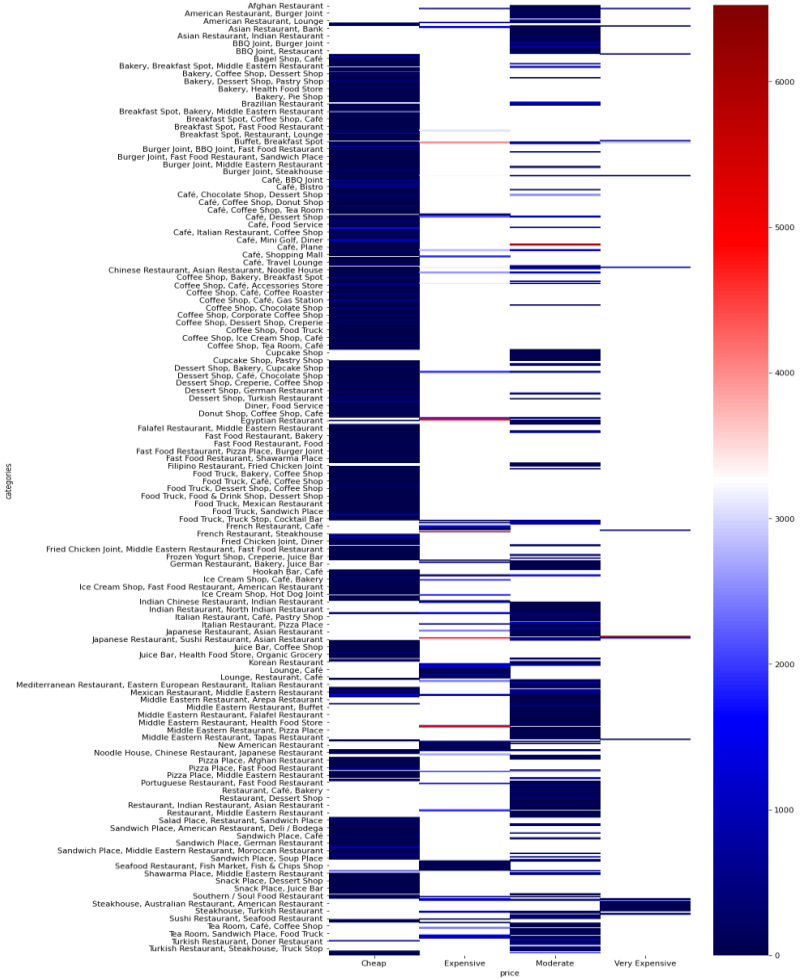
19361 rows × 11 columns

03

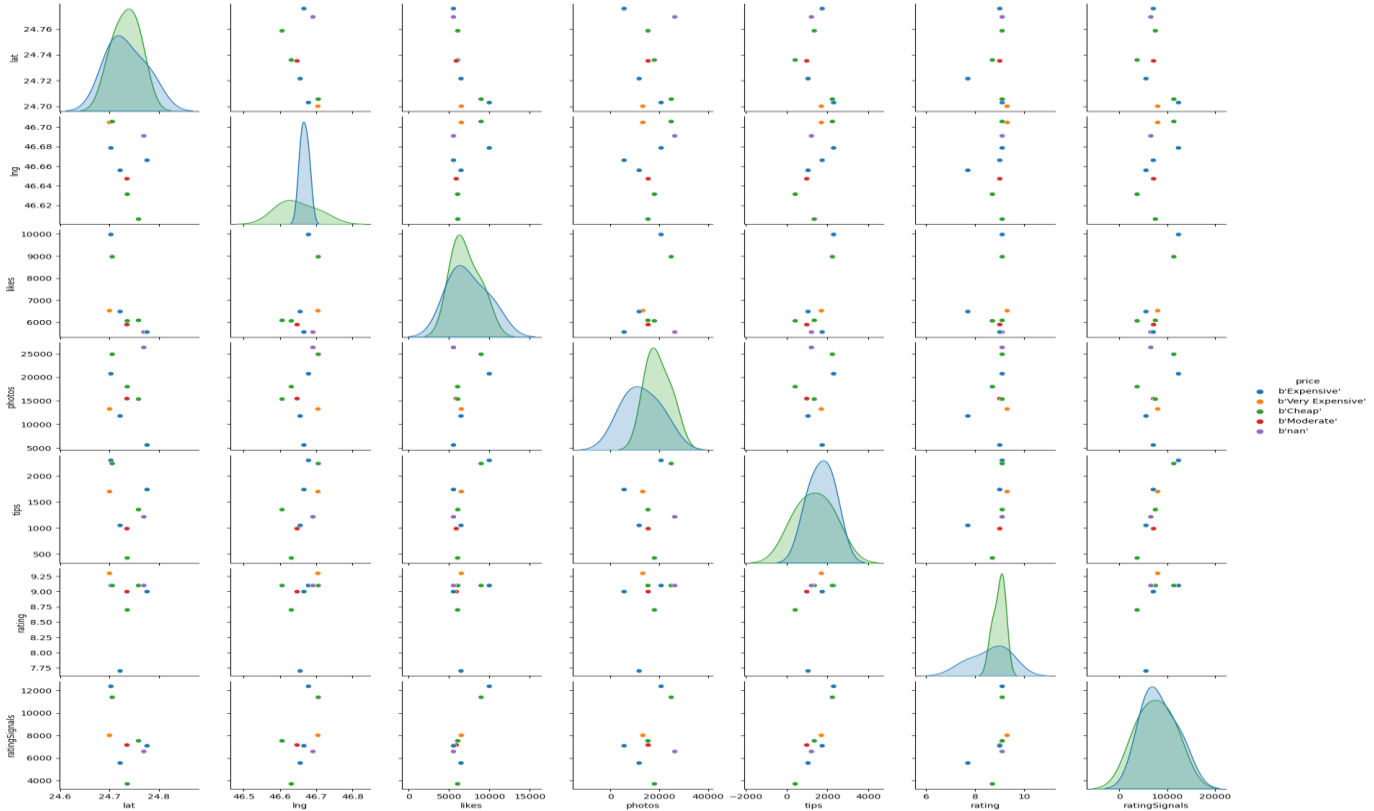
Data Analysis and Models

Visualizing with Seaborn

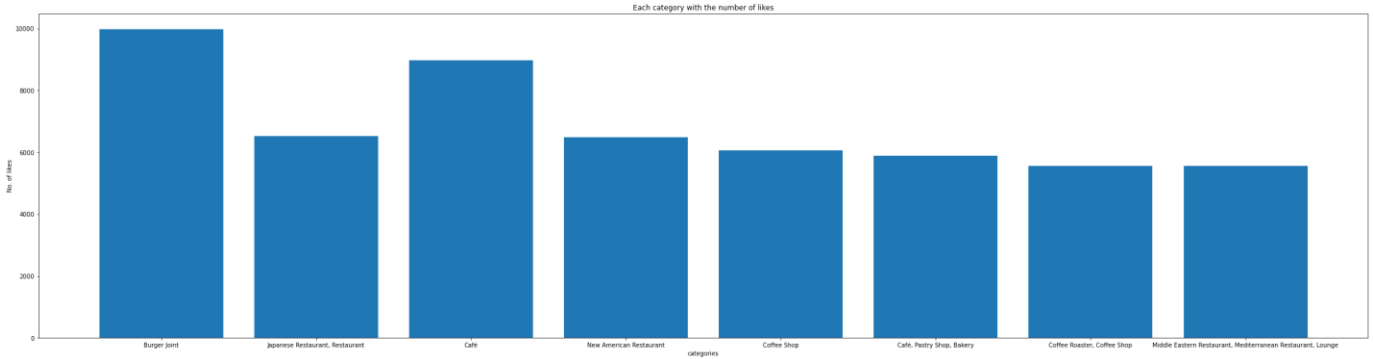
Heatmap

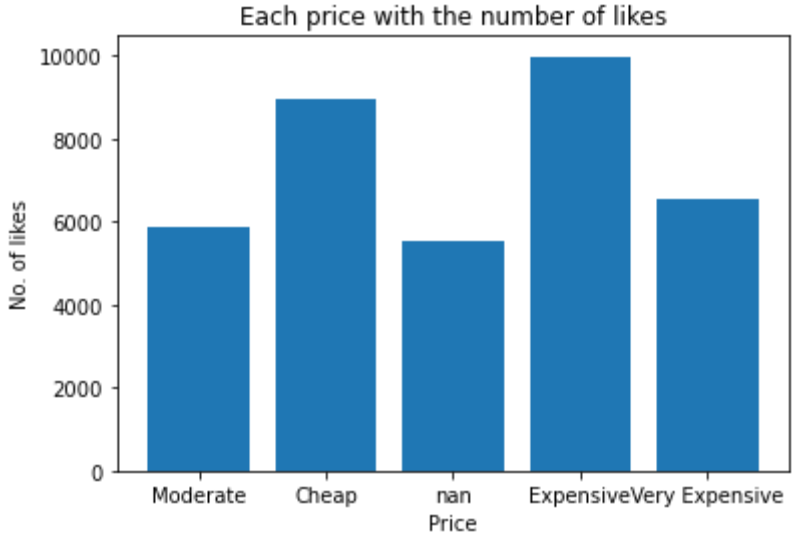


EDA

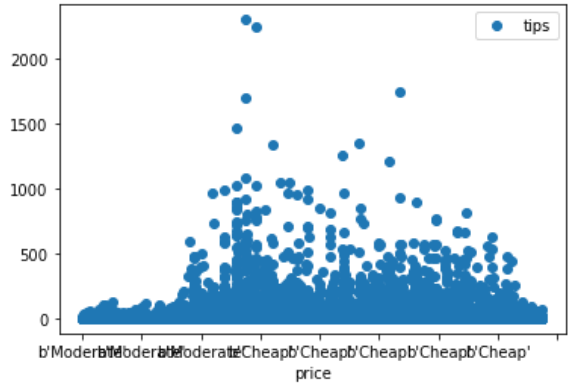

lat
lng
likes
photos
tips
rating
ratingSignals
price
b'Expensive'
b'Very Expensive'
b'Cheap'
b'Moderate'
b'nan'

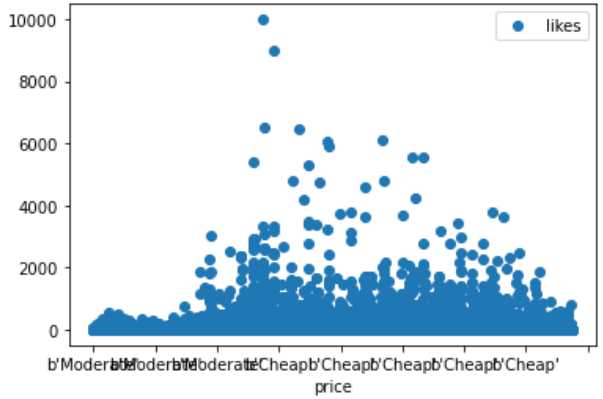
Relationship Between Features

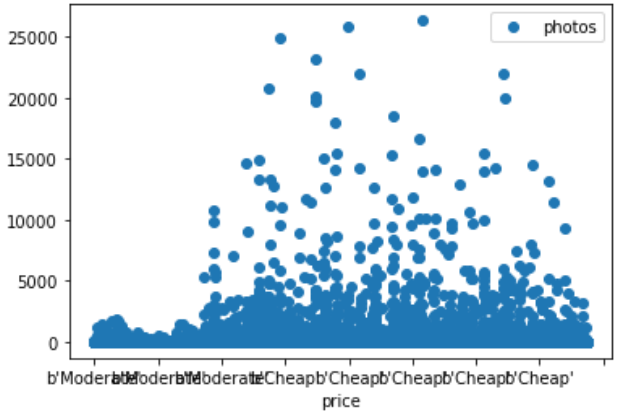




Linear Regression







Thank You for Your Attention