

Analyzing Swiggy

Wireframe Documentation

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Analysis :

Problem statement

The online food ordering market includes foods prepared by restaurants, prepared by independent people, and groceries being ordered online and then picked up or delivered. The first online food ordering service, World Wide Waiter (now known as Waiter.com), was founded in 1995. Online food ordering is the process of ordering food from a website or other application. The product can be either ready-to-eat food or food that has not been specially prepared for direction consumption.

Given Task:

Do ETL : Extract-Transform-Load the dataset and find for me some information from this large data. This is form of data mining.

Find key metrics and factors and show the meaningful relationships between attributes.

Do your own research and come up with your findings.

Dataset:

	Shop_Name	Cuisine	Location	Rating	Cost_for_Two
0	Kanti Sweets	Sweets	Koramangala, Koramangala	4.3	₹ 150
1	Mumbai Tiffin	North Indian, Home Food, Thalys, Combo	Sector 5, HSR	4.4	₹ 400
2	Sri Krishna sagar	South Indian, North Indian, Fast Food, Beverag...	6th Block, Koramangala	4.1	₹ 126
3	Al Daaz	American, Arabian, Chinese, Desserts, Fast Foo...	HSR, HSR	4.4	₹ 400
4	Beijing Bites	Chinese, Thai	5th Block, Koramangala	4.1	₹ 450
5	Kitchens of Punjab	North Indian	Koramangala 4th Block, Koramangala	4.2	₹ 350
6	99 VARIETY DOSA AND PAV BHAJI- Malli Mane Food...	Fast Food, North Indian, Chinese	BTM 2nd Stage, BTM	4.1	₹ 200
7	La Pino'z Pizza	Italian	BTM, BTM	3.9	₹ 500
8	Hotel Manu	South Indian, Kerala, Chinese, North Indian	HSR, HSR	4.1	₹ 350
9	Yumlane Pizza	Pizzas, Italian, Mexican	9th Main road, Koramangala	3.8	₹ 150
10	Ambur Star Briyani	Chinese, South Indian, North Indian, Desserts,...	outer ring road, BTM	4.1	₹ 500
11	Cake Box	Desserts	Koramangala, Koramangala	4	₹ 247
12	Meghana Foods	Chinese, Andhra, Biryani, Seafood	5th Block, Koramangala	4.3	₹ 550
13	Momoz	Chinese	5th Block, Koramangala	4.3	₹ 450
14	A2B - Adyar Ananda Bhavan	South Indian, Chinese, Desserts, North Indian	7th Block, Koramangala	4.2	₹ 450
15	Shawarma Inc	Arabian, Fast Food	1st MAin, Koramangala	4.1	₹ 150
16	WarmOven Cake & Desserts	Desserts, Beverages	Koramangala, Koramangala	4.1	₹ 200
17	Sri Lakshmi Dhaba	North Indian	Bommanahalli, BTM	3.7	₹ 200
18	Falahaar & Kota Kachori	North Indian	6th block, Koramangala	4.2	₹ 300
19	Shree Krishna Kitchens	Indian, Biryani,...	Sector 4, USD	4.1	₹ 350

Basic Information

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 118 entries, 0 to 117
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype
---  ---
0   Shop_Name       118 non-null    object
1   Cuisine         118 non-null    object
2   Location        118 non-null    object
3   Rating          118 non-null    object
4   Cost_for_Two    118 non-null    object
dtypes: object(5)
memory usage: 4.7+ KB
```

Data description

	Shop_Name	Cuisine	Location	Rating	Cost_for_Two
count	118	118	118	118	118
unique	115	79	65	13	30
top	La Pino'z Pizza	North Indian	BTM, BTM	4.1	₹ 300
freq	2	12	13	30	16

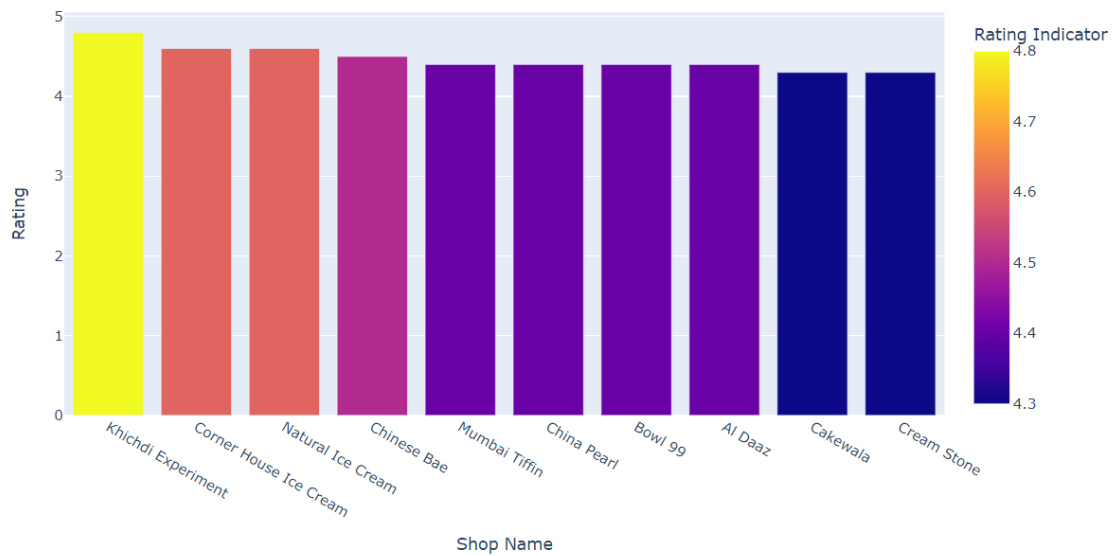
In the Swiggy Bangalore Outlet dataset, we have observed a total of 118 records, each consisting of 5 distinct features. These features can be categorized into two types: continuous and categorical. Specifically, we have 2 continuous features and 3 categorical features. The dataset is provided in the widely used Comma Separated Value (.csv) format .

After Data Pre-Processing:

	Rating	Cost_for_Two
count	117.000000	117.000000
mean	4.096581	320.760684
std	0.209240	137.850784
min	3.600000	100.000000
25%	4.000000	200.000000
50%	4.100000	300.000000
75%	4.300000	400.000000
max	4.800000	800.000000

	Shop_Name	Cuisine	Location	cost_category	Area
count	117	117	117	117	117
unique	114	79	65	3	4
top	La Pino'z Pizza	North Indian	BTM, BTM	Medium	Koramangala
freq	2	12	13	80	64

Top 10 Hotels with High ratings:



Top 10 Hotels with High ratings and Low Price:

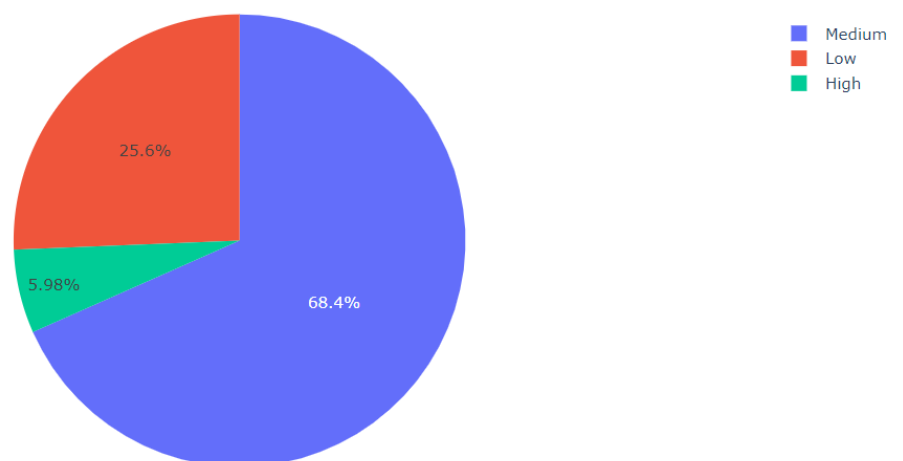
Shop_Name	Rating	cost_category
Khichdi Experiment	4.8	Low
Natural Ice Cream	4.6	Low
Bowl 99	4.4	Low
Sagar fast food	4.3	Low
New Udupi Grand	4.3	Low
Kanti Sweets	4.3	Low
Khawa Karpo	4.3	Low
Thali 99	4.3	Low
Tandoori Merchant	4.2	Low
NIC Natural Ice Creams	4.2	Low
Royal Treat	4.2	Low
99 VARIETY DOSAAND JUICE-Malli mane food court	4.1	Low
WarmOven Cake & Desserts	4.1	Low
Shawarma Inc	4.1	Low
Delhi Food Point	4.1	Low
Sri Krishna sagar	4.1	Low
Svadu Pure Ghee Sweets	4.1	Low
99 VARIETY DOSAAND PAV BHAJI- Malli Mane Food...	4.1	Low
Donne Biryani House	4.1	Low
Sharmas punjabi restaurant	4.1	Low

Cuisines with High ratings:

Cuisine	Rating
Home Food, Healthy Food, Indian	4.8
Ice Cream, Desserts	4.6
Ice Cream	4.6
Chinese, Thai	4.5
North Indian, Home Food, Thalís, Combo	4.4
Chinese, Asian	4.4
North Indian, South Indian	4.4
American, Arabian, Chinese, Desserts, Fast Foo...	4.4
Desserts	4.3

Pie chart of Distribution of Cost category:

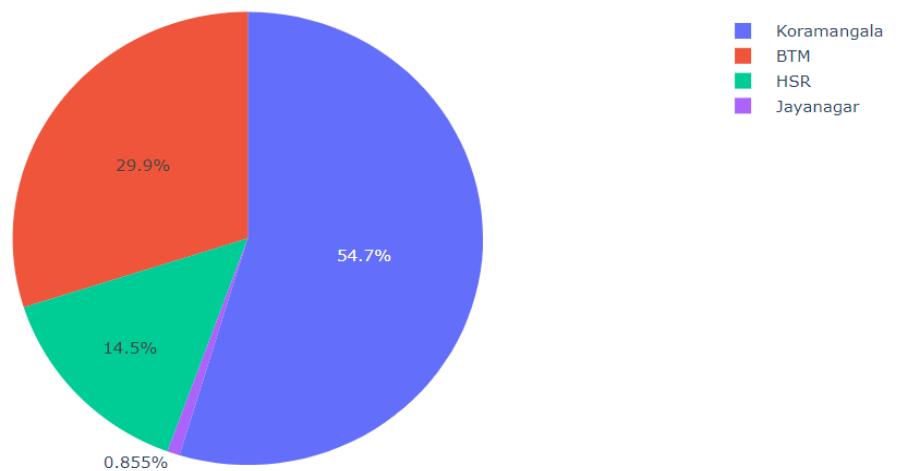
Distribution of Cost Category



This plot shows the distribution of cost category such as Low(<200), Medium(200-550) and High(>550)

Pie chart of Distribution of area:

Distribution of Areas



Area wise analysis:

Koramangala –

- In Koramangala area, The average Rating is 4.13
- Average Cost for two person is 297.83
- max orders lies in medium cost category

HSR –

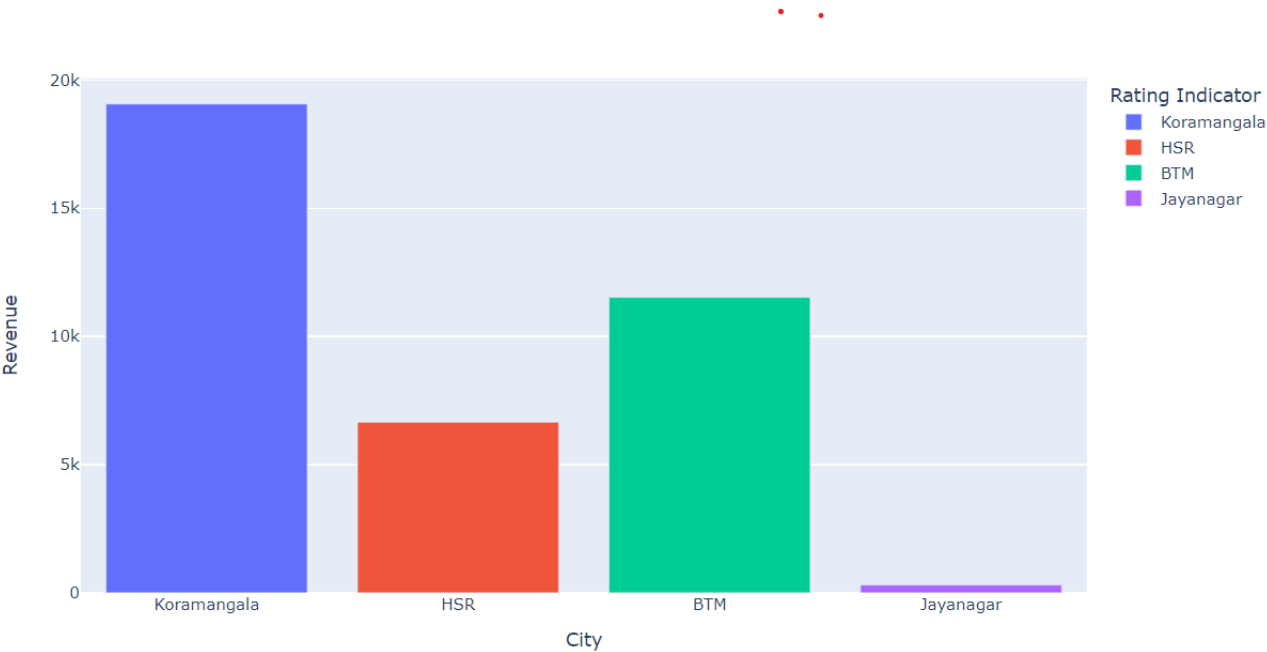
- In HSR area, The average Rating is 4.07
- Average Cost for two person is 391.18
- max orders lies in medium cost category which is 64.7% and Low & High cost category are of 17.6%

BTM-

- In BTM area, The average Rating is 4.05
- Average Cost for two person is 329.09
- Max orders lies in medium cost category which is 82.9%

Revenue with respect to area:

	Revenue	City
0	19061	Koramangala
1	6650	HSR
2	11518	BTM
3	300	Jayanagar



Among the Areas , Koramangala has highest revenue .