Restaurant Name Rating Cuisine Average Price	ll().sum())		Biryani ₹35	50 for one Opens tom	norrow at 11am Follows all Max	s Safety measures to ens		al	
Average Deliver Safety Measure Location dtype: int64	0 0 19 0								
: # Data statis df.describe() : count unique	Restaurant Name Rating 44891 44891 35688 30		44891 398		Safety Measure I 44891 2	44891 98			
<pre>freq : # extracting</pre>	70 5575	North Indian ₹100 for one 2403 13019 str.extract('(\d+)').fil	1715		ty measures to ensure your 25726	Kolkata 1296			
2 GMB -		Bakery, Fast Food, Pizza, North Indian, Mughlai, Roll North Indian, South Indian, Chir Mithai, Street Food, South Ind	Sandwich, Burger ls, Burger, Momos nese, Fast Food	So S	36 min Restat 22 min Follows all Max 27 min Follows all Max	urant partner follows WHO	ure your Ag	ra ra ra	
4 44886 44887 44888	Burger King 4.2 Bowl 99 - Vegan Mart - Biryani Plaza -	·	Food, Beverages North Indian Juices, Beverages Biryani	350 Opens tom 350 Opens tom	26 min Follows all Max Follows all Max norrow at 11am Follows all Max norrow at 11am Follows all Max	s Safety measures to ens s Safety measures to ens s Safety measures to ens	Warang ure your Warang ure your Warang	 al al	
44899 44890 44891 rows × 7 c : # Restaurant df['Rating']	Biryani Plaza - Biryani Plaza - olumns with rating rating '_' is repl = df['Rating'].replace('-','0'	laced with o)	Biryani Biryani		norrow at 11am Follows all Max				
	Restaurant Name Rating Campus Bakers 4.3 Chicken Mama Franky House 4 Gopika Sweets & Restaurant 4.2	Bakery, Fast Food, Pizza, North Indian, Mughlai, Roll North Indian, South Indian, Chir	Sandwich, Burger ls, Burger, Momos	age Price Average 50 50 50		urant partner follows WHO	ure your Ag	ra ra	
		Mithai, Street Food, South Ind Burger, Fast		50 50 350 Opens tom		urant partner follows WHG Safety measures to ens	O protocol Ag ure your Ag ure your Warang	ra ra al	
44888 44890 44891 rows × 7 c			Biryani Biryani Biryani	350 Opens tom	norrow at 11am Follows all Max norrow at 11am Follows all Max norrow at 11am Follows all Max	Safety measures to ens	ure your Warang	al	
delivery_coun	<pre>Data Analysis status'] = df['Average Deliver ts = df['Delivery status'].val ts.columns = ['Delivery status'] delivery_counts,</pre>	_ue_counts().reset_index	: 'open' if 'min' in	n str(x) else 'cl	osed')				
n v t c	ames = 'Delivery status', alues = 'Count', itle = 'Distribution of open a olor_discrete_sequence=px.colo emplate = 'seaborn') aces(textposition ="outside")	and closed Restaurants', ors.qualitative.Pastel1,							
		Distribution of op	pen and closed Rest	aurants		open closed			
			89.6%						
values='C title='Di color_dis	fety Measure', ount', stribution of Safety Measures crete_sequence=px.colors.quali 'seaborn',								
		Distribution of Saf	ety Measures in Res		Follows all Max Safety measures to Restaurant partner follows WHO p				
	42.7%								
		57.3%							
	tlib.pyplot as plt								
<pre>df['Rating Ca rating_counts colors = ['go plt.figure(fi plt.pie(ratin plt.title('Di</pre>	= pd.to_numeric(df['Rating'], tegory'] = df['Rating'].apply(= df['Rating Category'].value ld', 'lightcoral', 'lightskybl gsize=(8, 8)) g_counts, labels=rating_counts stribution of Ratings')	<pre>lambda x: '0-3' if pd.is e_counts() ue']</pre>			4 else '4+'))				
plt.show()	Distribution of	Ratings 0-3							
		16.5%							
4+	46.8%	36.6%							
			3-4						
: #To find all unique_prices print(unique_	the types of pricing in differ = df[' <mark>Average Price</mark> '].unique(prices)	ent restaurants)							
[50 100 150 20 750 800 650 1	00 250 300 500 400 350 450 40 10 12 850 2] = {'Less than 50' : lambda x: '100-200': lambda x: 100 <= '200-300': lambda x: 200 <= '300-400': lambda x: 300 <= '400-500': lambda x: 400 <=	x <50, x < 200, = x < 300, = x < 400, = x < 500,	900						
<pre>price_counts labels = pric</pre>	'500-700': lambda x: 500 <= 'Greater than 700': lambda ccurrences in each price range {range_name: sum(price_range price_range in price_ranges e_counts.keys()	<pre>: x < 700, x: x > 700} e(price) for price in un:</pre>	ique_prices) for ran	nge_name,					
<pre>sizes = price fig, ax = plt ax.pie(sizes, ax.axis('equa</pre>	_counts.values() .subplots() labels=labels, autopct='%1.11								
Less than 50	Distribution of Average Pr	ices Greater than 700							
	33.3% 10 8.3% 8.3%	5.7% 500-700							
100-20	8.3% 8.3%	400-500							
cuisine_colum all_cuisines unique_cuisin print('All po	n = df['Cuisine'] = [cuisine.split(', ') for cuises = set([c for sublist in all ssible cuisines', unique_cuisinisines {'', 'Singaporean', 'B 'Kathiyawadi', 'Lebanese', ''	sine in cuisine_column: _cuisines for c in subl: .nes) engali', 'Pizza', 'Stree	ist]) et Food', 'Mishti',		e', 'African', 'Burger',	'BBQ', 'Fast Food panish', 'Juices',	'Tex-Mex', 'Gu	jarati', 'Middle Ea dia', 'Konkan', 'Af	stern', 'Frozen Yogurt', ghani', 'Kerala', 'Mahara
am', 'Iranian', ese', 'German',	'Steak', 'European', 'Hydera	badi', 'Malaysian', 'Hea	lthy Food', 'Mongol	ryani', 'Salad', .ian', 'Sichuan',	'Lucknowi', 'Bubble Tea	', 'Raw Meats', 'Co		, 'Beverages,', 'Ma	', 'Kashmiri', 'North Eas
am', 'Iranian', ese', 'German', n', 'Bohri', '/ 'Cuisine Varies h Indian', 'Mec 'Assamese', 'Gı hari', 'South I : cuisine_count top_15_cuisin	'Steak', 'European', 'Hydera asian', 'Bar Food', 'Chinese', s', 'Sushi', 'Desserts,', 'Roa literranean', 'Burmese', 'Chet reek', 'Brazilian', 'Grilled C Indian', 'Beverages'} s = df['Cuisine'].str.split(', es = cuisine_counts.head(15)	badi', 'Malaysian', 'Hea 'Garhwali', 'Tea', 'Pok st Chicken', 'Bangladesh tinad', 'French', 'Baker hicken', 'Tamil', 'Nepal ').explode().value_cou	olthy Food', 'Mongol (é', 'Tibetan', 'Vie (i', 'Rajasthani', ' (y', 'Italian', 'Mod (ese', 'Drinks Only'	ryani', 'Salad', ian', 'Sichuan', thamese', 'Shake Arabian', 'Bakery lern Indian', 'Rus , 'Oriental', 'Ca	'Lucknowi', 'Bubble Tea ', 'Afghan', 'American', y,', 'Thai', 'Parsi', 'W ssian', 'Naga', 'Indian'	.', 'Raw Meats', 'Co 'Goan', 'Kebab', Iraps', 'Cafe', 'Pas , 'Sri Lankan', 'S:	'Mangalorean', sta', 'Mughlai' indhi', 'Japane	se', 'Desserts', 'F	inger Food', 'Panini', 'M
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import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px