

INFORMATION PROCESSING AND RETRIEVAL

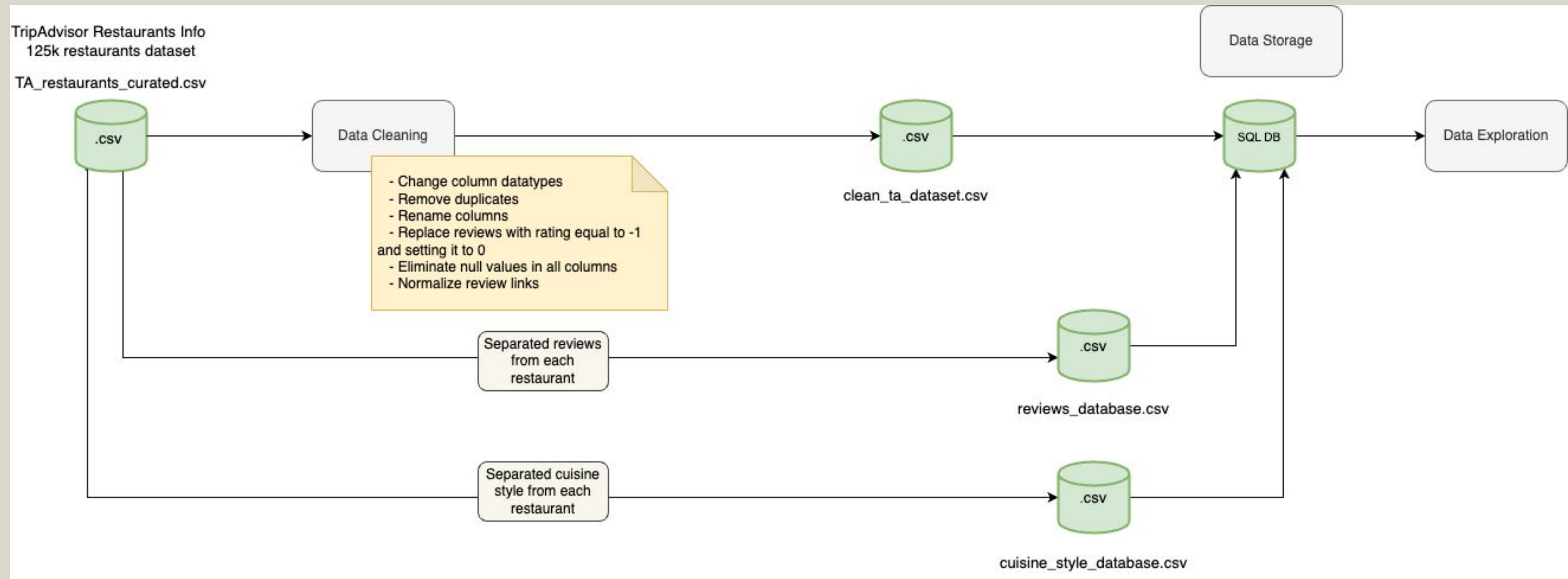
TRIPADVISOR EUROPEAN RESTAURANT'S INFORMATION

DATASET

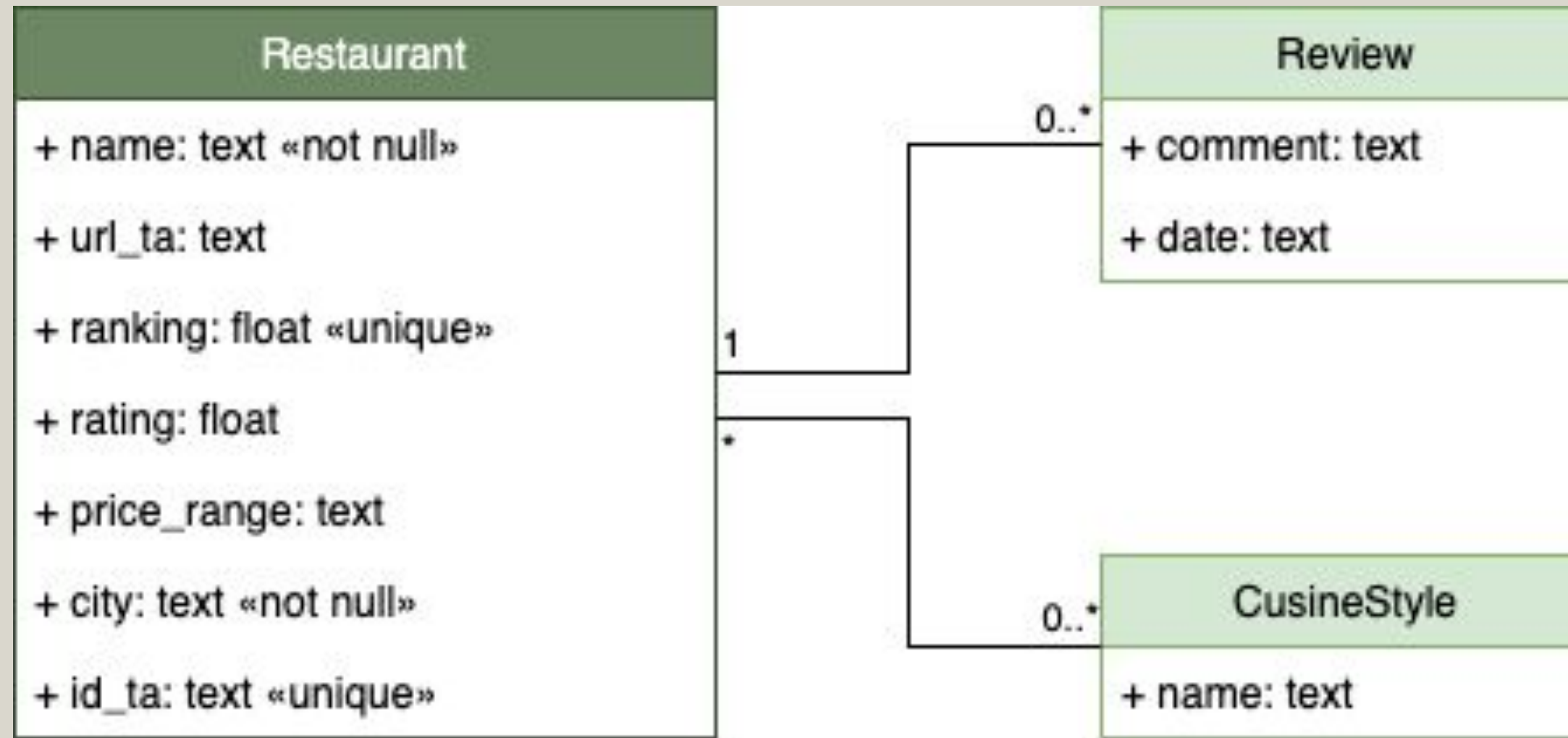


kaggle

PIPELINE



CONCEPTUAL MODEL



DATA CHARACTERIZATION

	Name	City	Cuisine Style	Ranking	Rating	Price Range	Number of Reviews	Reviews	URL_TA	ID_TA
0	Martine of Martine's Table	Amsterdam	['French', 'Dutch', 'European']	1.0	5.0	\$\$ - \$\$\$	136.0	[['Just like home', 'A Warm Welcome to Wintry ...	/Restaurant_Review-g188590-d11752080-Reviews-M...	d11752080
1	De Silveren Spiegel	Amsterdam	['Dutch', 'European', 'Vegetarian Friendly', '...	2.0	4.5	\$\$\$\$	812.0	[['Great food and staff', 'just perfect'], ['0...	/Restaurant_Review-g188590-d693419-Reviews-De_...	d693419
2	La Rive	Amsterdam	['Mediterranean', 'French', 'International', '...	3.0	4.5	\$\$\$\$	567.0	[['Satisfaction', 'Delicious old school restau...	/Restaurant_Review-g188590-d696959-Reviews-La_...	d696959
3	Vinkeles	Amsterdam	['French', 'European', 'International', 'Conte...	4.0	5.0	\$\$\$\$	564.0	[['True five star dinner', 'A superb evening o...	/Restaurant_Review-g188590-d1239229-Reviews-Vi...	d1239229
4	Librije's Zusje Amsterdam	Amsterdam	['Dutch', 'European', 'International', 'Vegeta...	5.0	4.5	\$\$\$\$	316.0	[['Best meal.... EVER', 'super food experience...	/Restaurant_Review-g188590-d6864170-Reviews-Li...	d6864170

Before
Data Cleaning

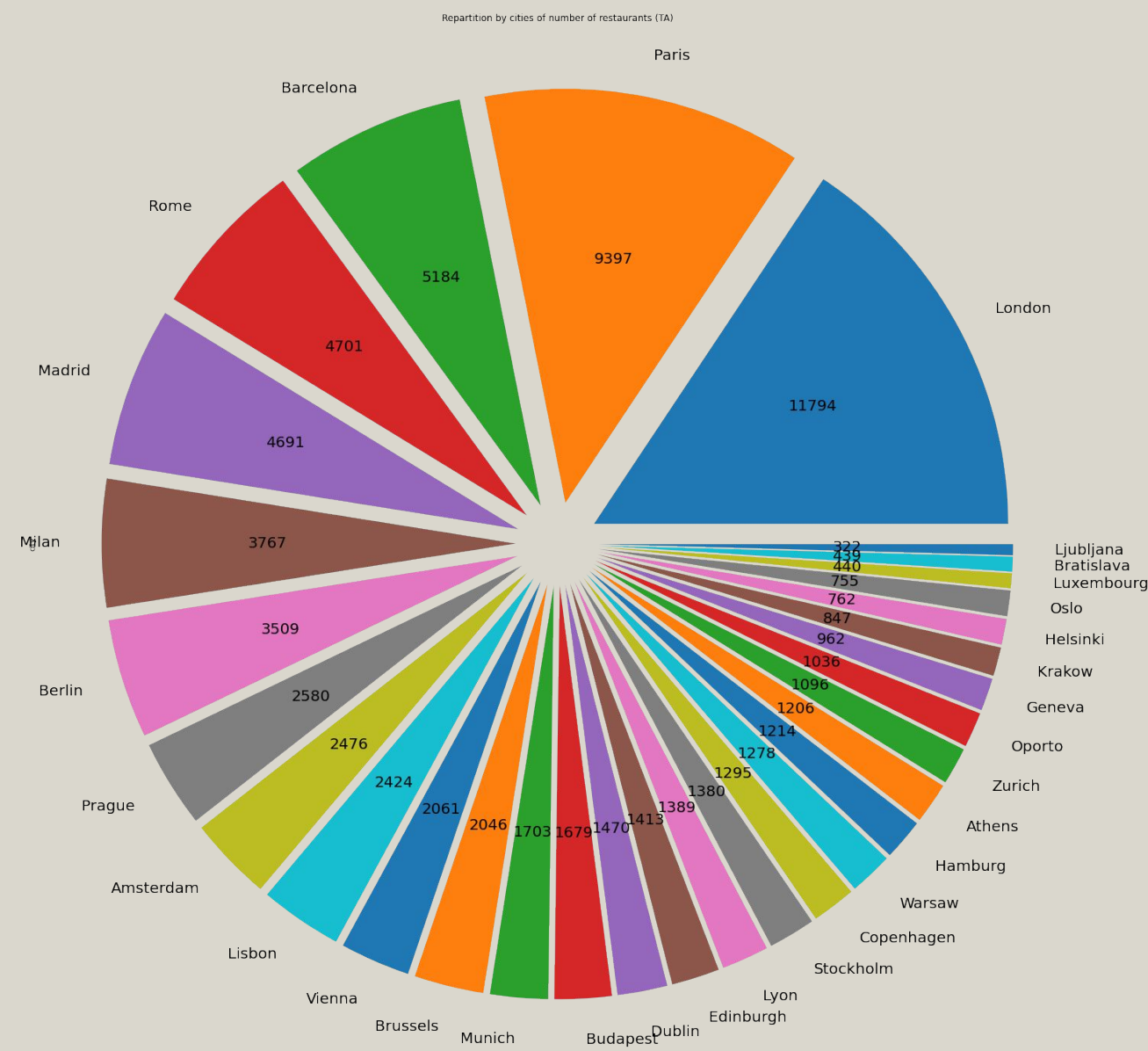
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1	City	125527 non-null	object
2	Cuisine Style	94176 non-null	object
3	Ranking	115876 non-null	float64
4	Rating	115897 non-null	float64
5	Price Range	77672 non-null	object
6	Number of Reviews	108183 non-null	float64
7	Reviews	115911 non-null	object
8	URL_TA	125527 non-null	object
9	ID_TA	125527 non-null	object

After
Data Cleaning

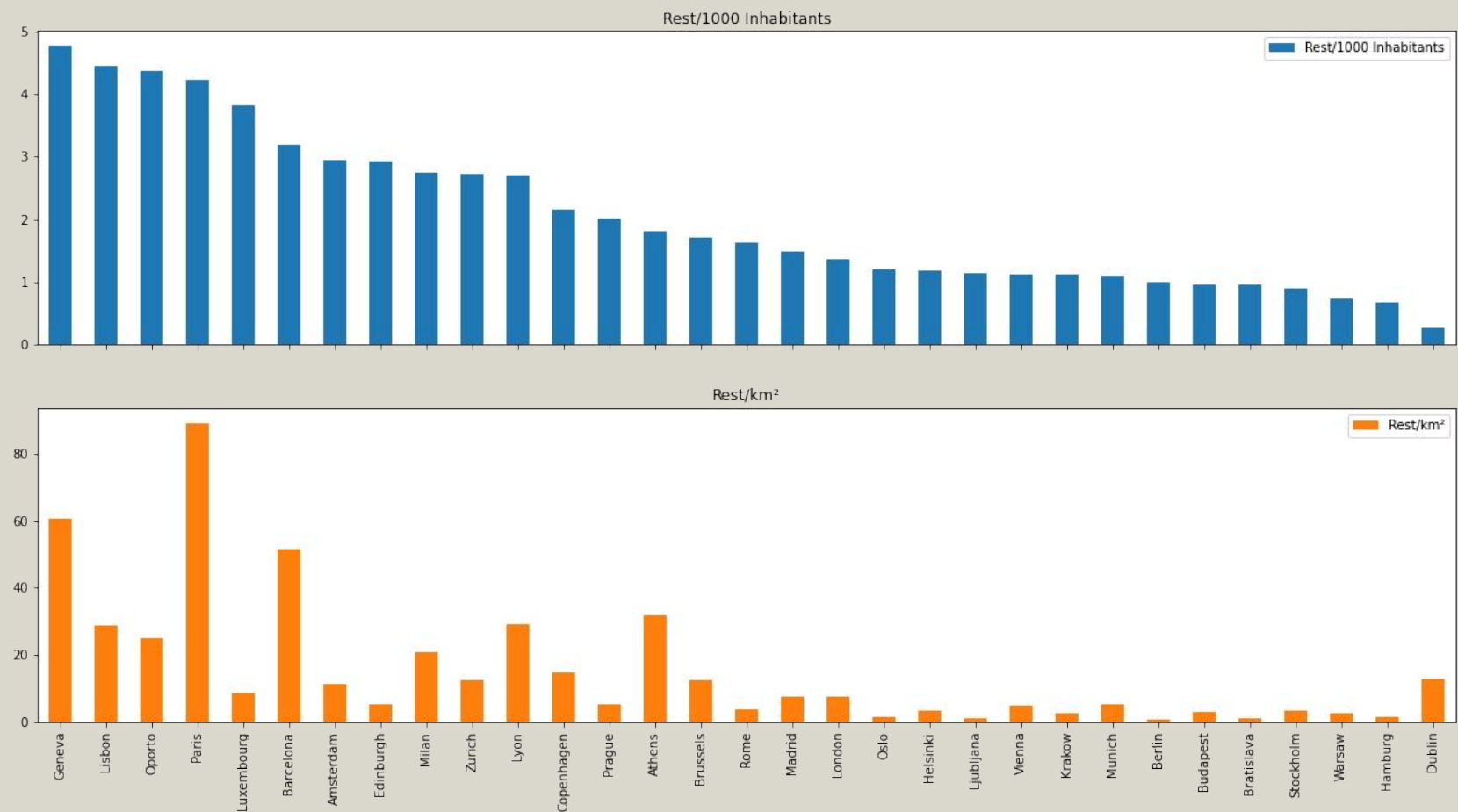
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3	ranking	75334 non-null	category
4	rating	75334 non-null	float64
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6	reviews_number	75334 non-null	int64
7	reviews	75334 non-null	object
8	url_ta	75334 non-null	object
9	id_ta	75334 non-null	object

DATA CHARACTERIZATION

Distribution of
Restaurants by City

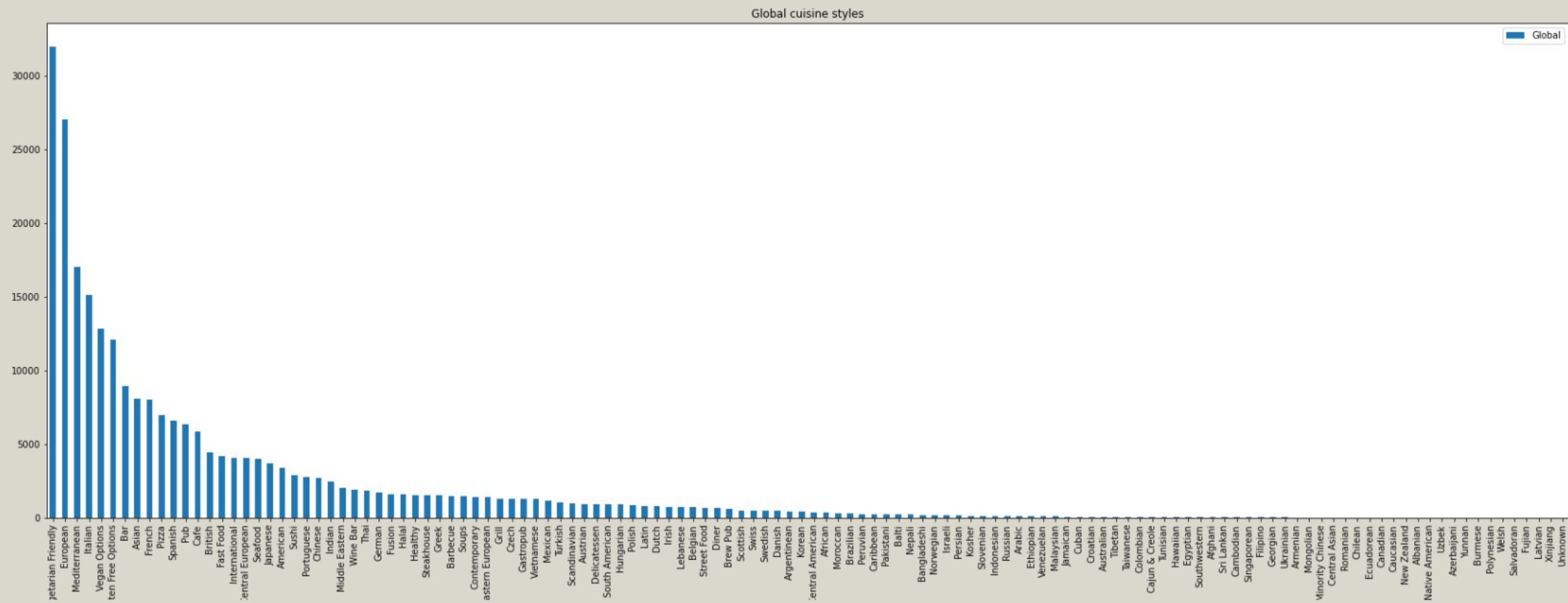


Density of
Restaurants



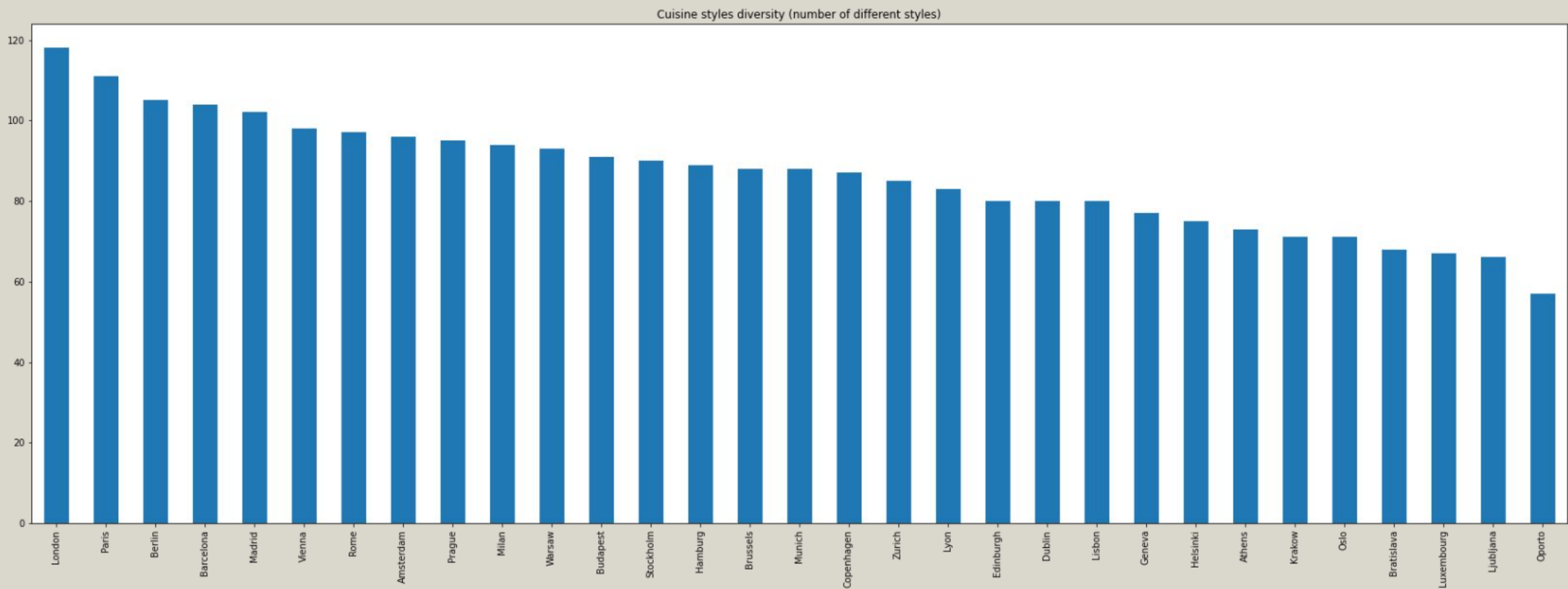
DATA CHARACTERIZATION

Global Cuisine Styles



DATA CHARACTERIZATION

Global Cuisine Diversity



SCENARIOS



As a client I want to search for the best restaurant in the city, so that I can visit it

- Which are the best restaurants of a certain city?
- Which are the best restaurants of Europe?

As a client I want to search for the cuisine style so that I can choose a restaurant with my preferences

- Where can I find a restaurant according to my diet (Vegetarian, Gluten free, Vegan, etc.)?
- Which one of these restaurants has the best score? And price range?



As a client I want to search for cuisine styles by their rating value so that I can choose the type of restaurant that I will visit

- Is local cuisine rated better than foreign cuisine?
- If so, is there any difference between cities?

As a client I want to search for the best reviews so that I can choose a good restaurant

- Which one of these restaurants has the best reviews?
- Which one of these restaurants has the largest number of reviews/ best rating value?

THANK YOU

FOR LISTENING