



Best Restaurant near UC Hastings College of the Law

Applied Capstone Project

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Background



When we move into a new environment, we often would like to familiarise ourselves with the surroundings and check out places of interests.



Among the places of interests, food is important to many.



This project focuses on finding out the best restaurant in the vicinity of the campus in the proximity of UC Davis, San Francisco Campus using Foursquare data.

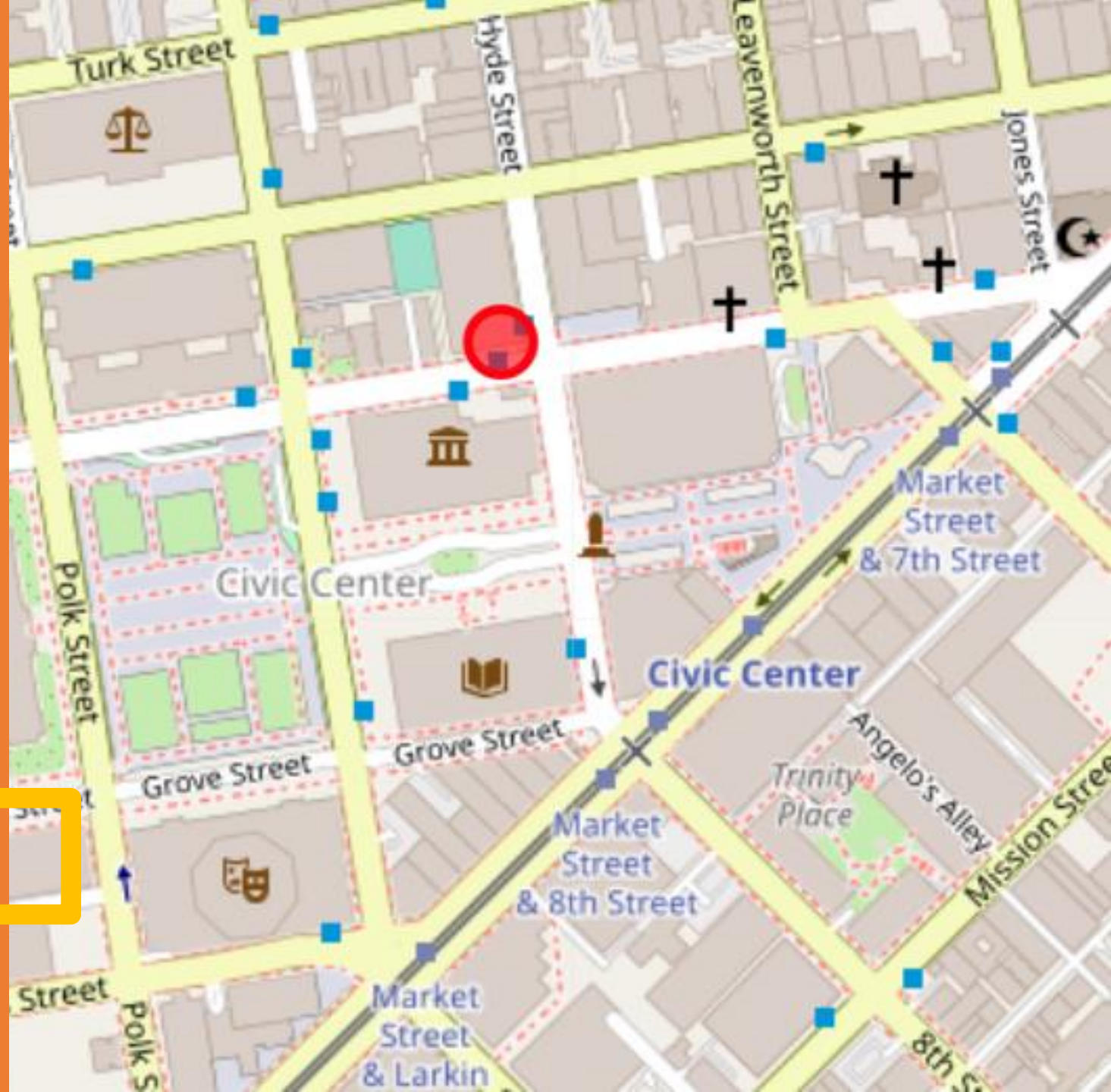


Based on the definition of our problem, the analysis will be based on the following two criteria:

High ratings (Min 8.0)

Within proximity to the UC Hastings College of the Law (300 meters or 1000 metres)

Location of UC Hastings College of the Law



Data Sources



The following information will be extracted from external sources:

The latitude and longitude of UC Hastings College of the Law will be extracted using geocoding web services offered by geopy

The restaurants' data and location will be extracted using Foursquare API

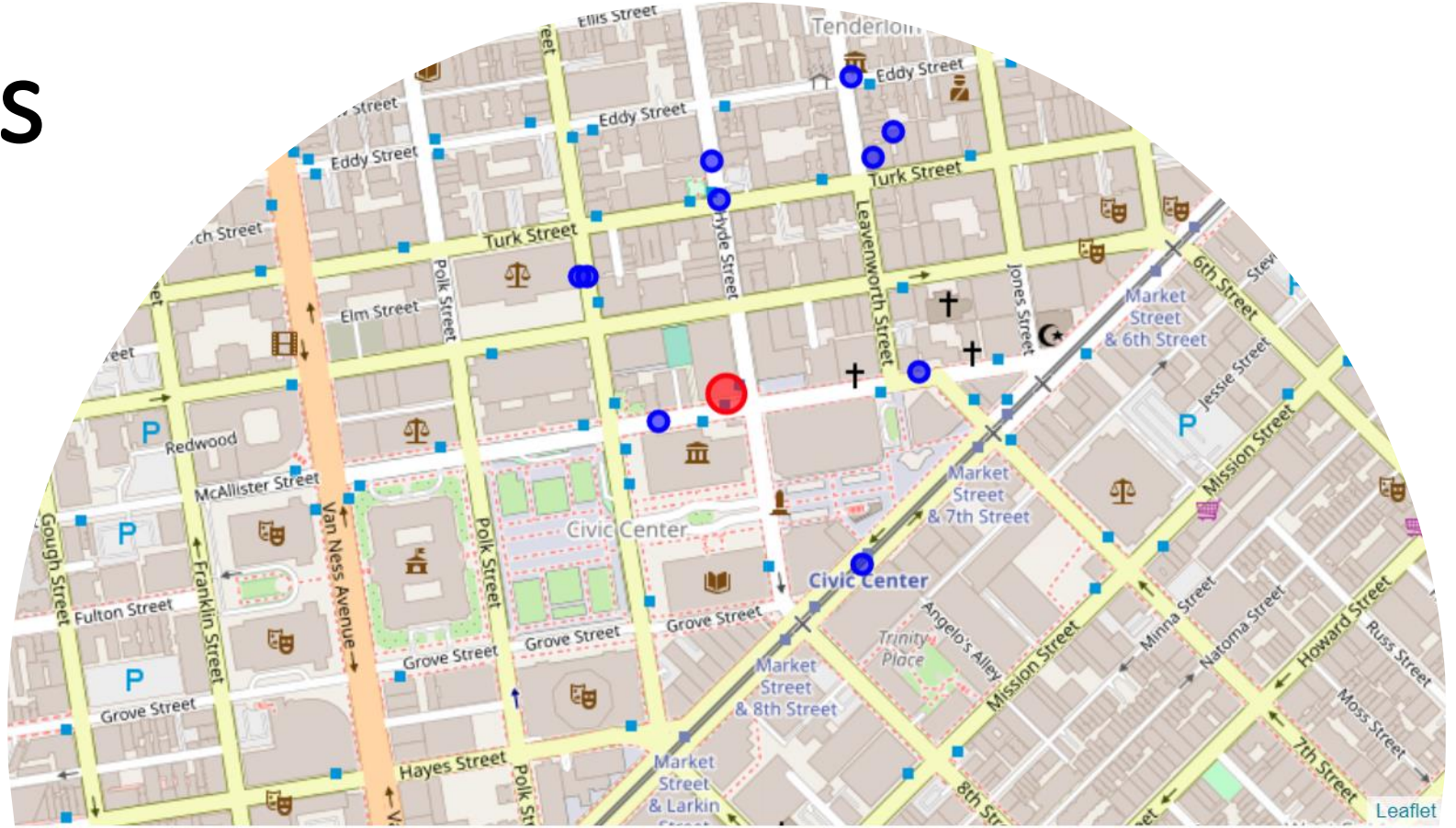


We look at the restaurants within 300 metre radius first before looking at restaurants within 1000 metre radius.

Restaurants within 300 metres radius

Blue Markers: Restaurants

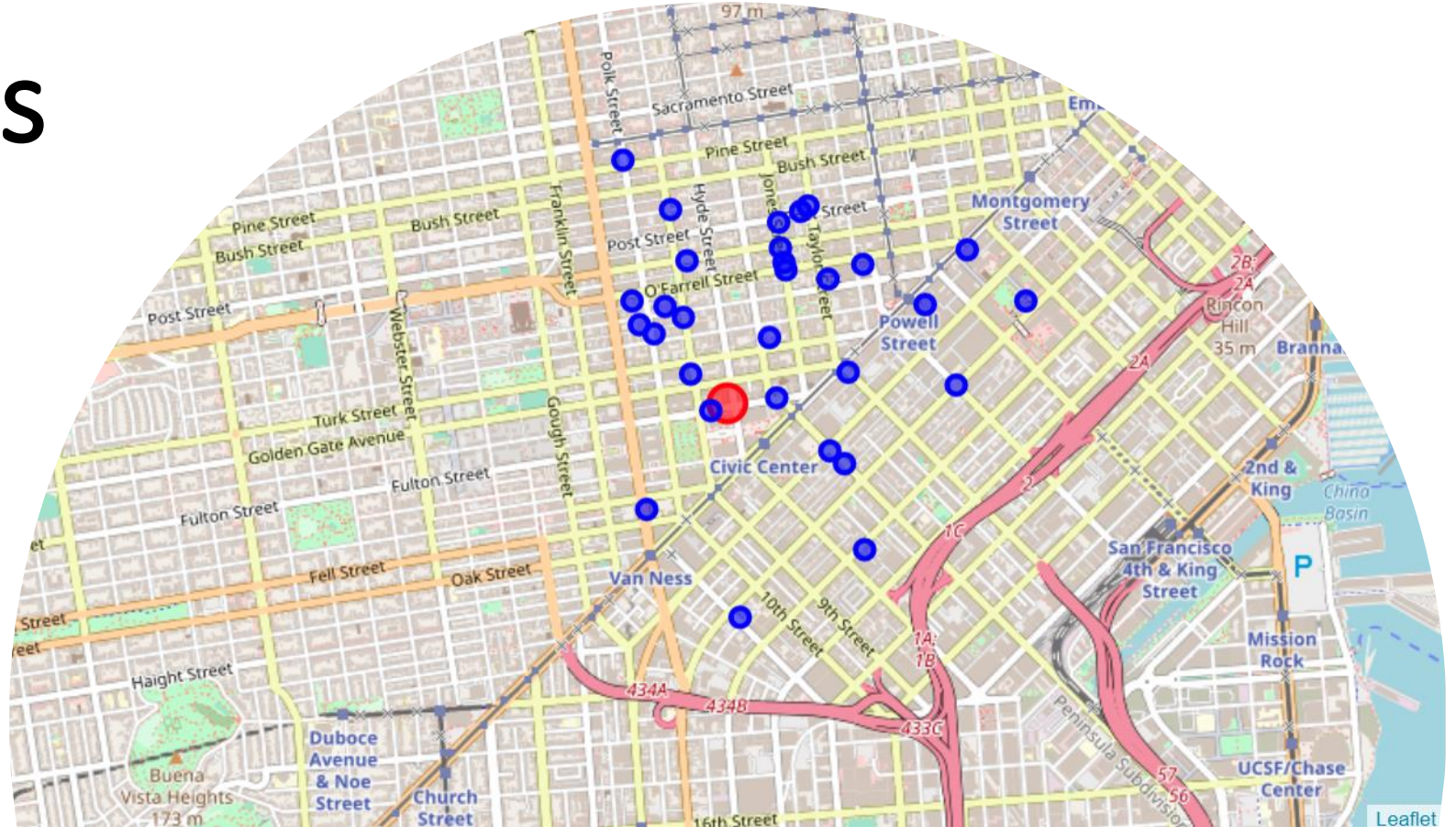
Red Marker: UC Hastings
College of the Law



Restaurants within 1000 metres radius

Blue Markers: Restaurants

Red Marker: UC Hastings
College of the Law



Results and Discussions

	text	agreeCount	disagreeCount	id	user.firstName	user.lastName	user.id
0	You can almost always walk right in with no wait. My favorite items are the eggplant salad with shrimp and pork, and the peppercorn duck breast. Everything I've tasted has been good, though.	3	0	56eb15b4498e7f8447ee7b78	Jane	R	168464378
1	Order the Chicken Pho, it's the best in the Bay area with a broth as delicious as it gets. If your up for a challenge add Pho Ga Long to your broth mixing chicken giblets to the mix.	3	0	545406bb498e43d4ed60d015	Staff Picks	NaN	86922724
2	AMAZING VIETNAMESE. I had the pho and the shrimp salad. Super duper tasty. They do take out and you'll have to queue for seats. Always room for one at the bar.	6	0	56466ebf498e5219f1fc7a9f	Harriet	R	111578617
3	You can almost always walk right in with no wait. My favorite items are the eggplant salad with shrimp and pork, and the peppercorn duck breast. Everything I've tasted has been good, though.	3	0	56eb15b4498e7f8447ee7b78	Jane	R	168464378
4	When late night munchies strike, there's no better place to be. The fresh fish in the sushi is outstanding and they also have a large number of imports from Tsukiji. Read more on WinstonWanders below!	12	0	5523f574498e1cb7c96aaebc	Mike	W	4083549

Results and Discussions

From the reviews, two observations could be made.

1. There is a growing trend of popularity for Asian Food in San Francisco
2. The reviews from the top options are quite decent, which are not surprising considering they are the top options.

Hence, they could all be recommended and users need to weight how much time they want to spend travelling

Conclusions

This list of restaurants could be recommended to the interested students.

- Reduce stakeholders' search cost

The final decision on the most optimal restaurant will depend on the subjectivity of the stakeholders, just like many real-life scenarios.



Future Directions

There are many more factors that can be taken into consideration when conducting this project.

- A more scientific approach could be taken to define and fine-tune the metrics used to measure the 'best restaurant'.
 - Compare the average rating of restaurants in San Francisco instead of using a self-defined 8.0
 - More metrics such as quality of service, quality of food, cleanliness, etc.
 - Text mining could be done for sentiment analysis
 - Lastly, if I could pull more reviews from the query, it will provide a more balanced look at the restaurants