

CODE 10 REPORT
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1. Plan for data retrieval and analysis

- * Offer a quick summary of the insights you want to discover using the Yelp Fusion API
- * Explain the search parameters (e.g., term, location, sort criteria) that you plan to use
- * Explain how you plan to use that information from the Yelp Fusion API to provide the business insights you want to discover
- * Explain what text analysis (e.g., sentiment, most used words) you plan to use for obtaining the desired business insights

Using the Yelp Fusion API, we can discover insights on the restaurants of our choice like reviews, data, and recommendations. Some things that we can look at that would be helpful is discovering the best times to go, reviews of different sources, negatives and positives overall and other performance insights. With this code assignment, yelp Fusion API is going to be very useful.

Some search parameters that I plan to use for my research are price being the main one, we also have term, location, highest rated, most reviewed, etc.
The information that I plan on using is the following, using rating.

```
search_food= "sushi"  
search_location = "New York, NY"  
search_sort_by = "rating" #best_match, rating, review_count, distance  
search_limit = 20
```

I plan on using the previous information from the Yelp Function API to basically have focus on what I need to look for with the statements. The reviews, data, recommendations, term, location, sort criteria are all concepts that we want to discover. With this being said, the text analysis that I plan on using is the sentiment route.

```
analyzer = SentimentIntensityAnalyzer()  
for rev in response['text']:  
    sen_score = analyzer.polarity_scores(rev)  
    print(rev)  
    print(sen_score)
```

REVIEWS

```
review_id = "domo-sushi-new-york"  
reviews = yelp_api.reviews_query(id=review_id)  
print(reviews)
```

"ume-new-york"

A new neighborhood favorite! Intimate and relaxed with warm friendly service and some of the freshest sushi in the area. Also has delicious appetizers and...

It is hidden jewels. One of the best restaurant in Lenox hill Upper Eastside. Great price with fresh food. Owner has a pride to provide healthier foods on...

A huge improvement over the previous sushi place that used to be here. Granted the pretty much only do sushi now (instead of sushi/Thai/Indian/Chinese). The...

"sushi-35-west-new-york"

Pricy but probably one of the freshest sushi in the city. I ordered the salmon roll (\$8) and it was STUFFED full of salmon. The rice was probably one of the...

You need to walk up to the 2nd floor to get in. Don't let the sketchy smoke shop playing obnoxiously loud music deter you.

I only got three rolls, and...

Small hole in the wall on top of a smoke shop (there's a huge sign out front so at least it's easy to find), but amazing sushi, always packed and def a...

"sushi-lab-east-village-new-york"

The hospitality and the menu was absolutely incredible. Their uni was so fresh and the Japanese wagyu was unforgettable

I came here for my birthday dinner with my mom. We did the Lab Experiment Omakase. This has 15 pieces of sushi for \$100. To me, this a great deal. The fish...

Me and my bff stopped by after work to try their omakase lab experiment at \$100pp. It was 15 courses and being a light rate, it was filling. For average...

"raku-new-york-6"

I don't even know where to start.. everything i ate, every bite i took was just so delicious.

Broth is sooo clean and fresh.

Nothing is...

I've heard so many raving reviews of this place, and finally got a chance to check it out! I came by on a weekday at around 8pm, and there was only a 30min...

Raku will and always be ~that girl~. I've probably been 6 times since moving! I don't recommend their cold udon, but maybe I had a bad batch?

My favorites...

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"domo-sushi-new-york"

What a gem!! Unique omakase experience, where the restaurant is located inside Mott street food court. The restaurant has a total a of 3 seats at the...

Came here with a good friend because we saw the high reviews, and thought the \$100

Omakase was a good deal for what you get. It came with 13 courses, plus a...

AWESOME. Sushi was all great and VERY unique. Chef was very nice and new exactly what he was doing with each piece. Great omakase spot.