

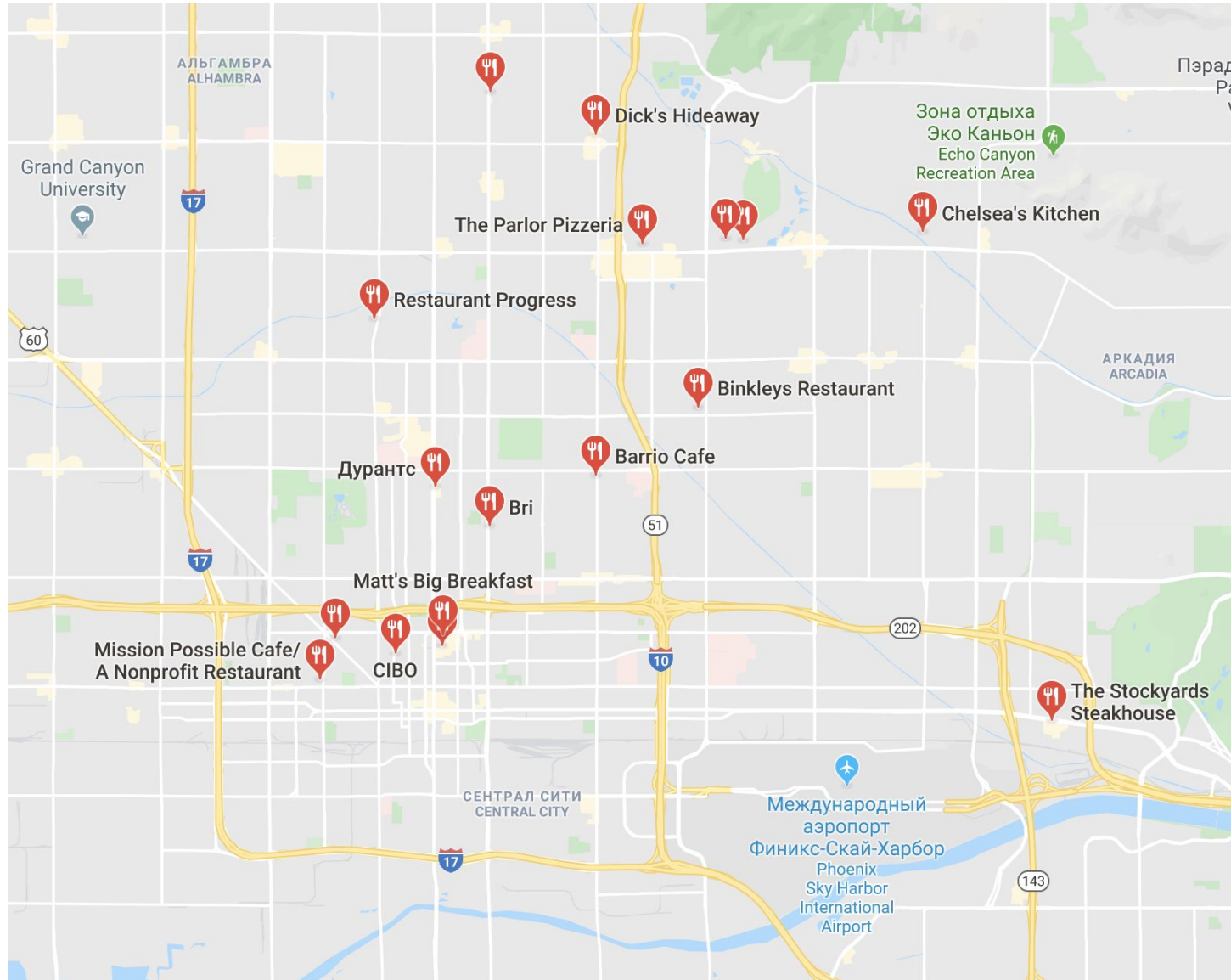


RESTAURANT RATING

based on reviews

Anna Barentz

Restaurants



Rachel H.

532 friends
914 reviews
262 photos
Elite '2019

[Share review](#)

[Embed review](#)

★★★★★ 9/13/2019

1 photo

I'm a little on the fence about The Whale. I'm one of those old crabs that spends a lot of time grousing about the changes in Logan Square, so the feel is a little scary to me, but I'm glad we checked it out because the food and drinks were really quite good.

Firstly, I appreciated that there were some interesting things for my veg. husband to eat. He's not picky but sometimes more than a veggie burger is nice. He got the eggplant banh mi and mac and cheese and enjoyed both. We shared the charred carrot salad which was very good and I thought the roasted chicken was very flavorful. I could have used a larger sized cup of jus for the chicken though. Like possible bucket size. Just a thought.



Salena C.

1290 friends
539 reviews
1308 photos
Elite '2019

★★★★★ 10/8/2019

4 photos 1 check-in

This place is seriously so good. Cute interior, delicious food and perfect service... not much more you can ask for!

I personally found it to be the ultimate brunchy place. Open garage-style windows, seating surrounding the windows, and so. much. sunlight. LOVE!

The mimosa is light on orange juice and heavy on champagne, which is a steal for \$7! We couldn't pass up their frosé for round two though, which was also perfection! The Cuban sandwich was massive and tasty, and the sweet potato fries were the perfect salty side.

5★

What does it
really
mean?



Goal

- Look into restaurant reviews patterns
- Find general topics
- Assign major topic to each restaurant
- Get relevant ratings



'YELP' Data



155.000
Reviews



40.000
Users



3000
Restaurants



8 Cities
in Arizona

-
- review stars
 - location
 - categories
 - restaurant overall rating
 - address

Natural language processing (NLP)

FIRST: Clean data, remove stop words, get word frequencies

- **Text Preprocessing**
Numbers, foreign characters, punctuations, spaces, symbols
- **TF-IDF Vectorizer**
 - n-gram = 1 & 2
 - Max_df = 0.6
 - Stop Words



Topic Modeling

NLP. Non-Negative Matrix Factorization (NMF), 6 components

Friendly Staff

friendly, staff, friendly staff, staff
friendly, wait, wait staff, attentive,
helpful, friendly attentive, friendly
helpful, fast, decent friendly

Unique Atmosphere

atmosphere, fun, cool, fun
atmosphere, cool atmosphere, date,
music, unique, friendly atmosphere,
romantic, casual, live, comfortable,

Order Experience

ggot, order, table, server, wait,
experience, minutes, took, asked,
wanted, long, thought, inside, outside,
waitress



Special prices

happy hour, happy, hour, specials,
half, hour happy, reverse happy, hour
specials, apps, cheap

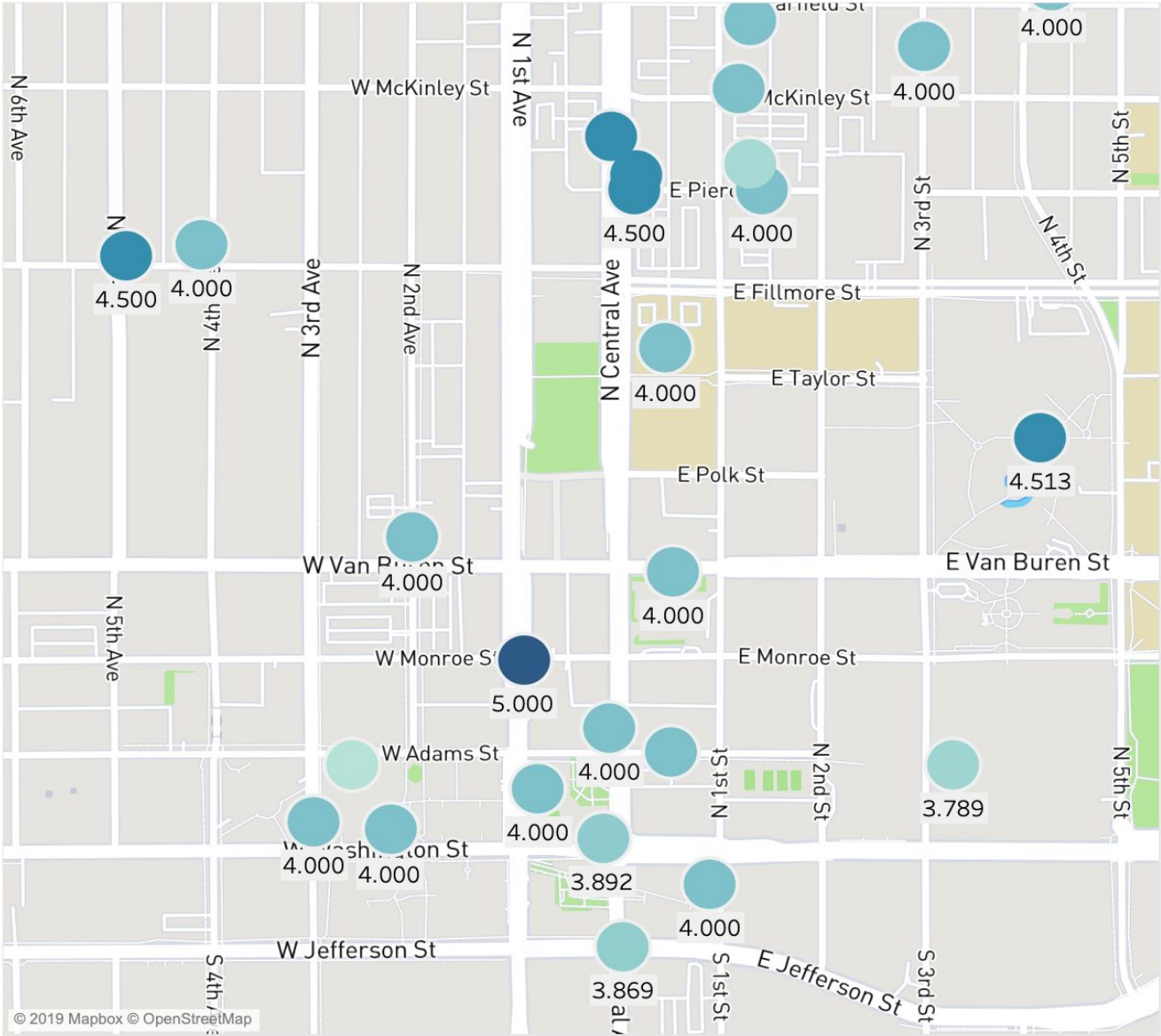
Vegetarian

vegan, vegetarian, mock, healthy,
tofu, burger, vegan vegetarian,
vegetarian vegan, peanut,
yummy, soy, fake

Taste

delicious, yum, fantastic, yummy,
delicious staff, flavors, atmosphere
delicious, variety, flavors delicious,
variety delicious

Restaurants with 'vegetarian' option



 **Linda B.**
👤 123 friends
★ 334 reviews
📷 874 photos
Elite '2019

★★★★★ 9/19/2019
📷 6 photos ⚙️ 1 check-in

There's been a lot of buzz about The Whale so I wanted to see what it was all about. I met a friend there for brunch last Saturday and left impressed.

Everything looked really good, from food to drinks to atmosphere. And service was excellent, very attentive without being in our faces.

I started with a lovely prosecco and I don't recall the name of my friend's drink, but I'm told it was good. We shared the caviar deviled eggs and they were delicious. I can't say that the caviar made much of a difference taste-wise but I enjoyed them.

 **Salena C.**
👤 1290 friends
★ 539 reviews
📷 1308 photos
Elite '2019

★★★★★ 10/8/2019
📷 4 photos ⚙️ 1 check-in

This place is seriously so good. Cute interior, delicious food and perfect service... not much more you can ask for!

I personally found it to be the ultimate brunchy place. Open garage-style windows, seating surrounding the windows, and so. much. sunlight. LOVE!

The mimosa is light on orange juice and heavy on champagne, which is a steal for \$7! We couldn't pass up their prosecco for round two though, which was also perfection! The Cuban sandwich was massive and tasty, and the sweet potato fries were the perfect salty side.

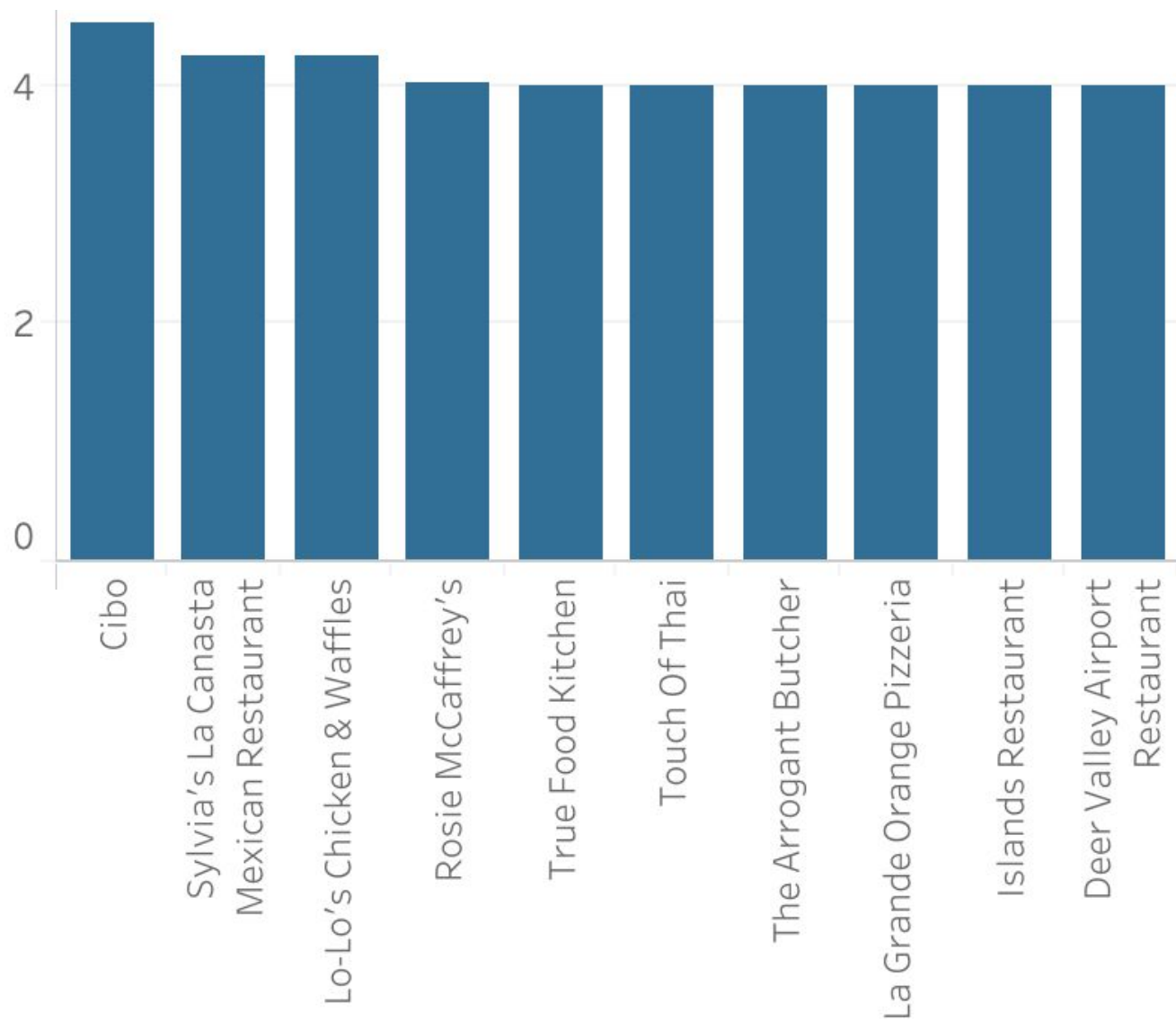
 **Rachel H.**
👤 532 friends
★ 914 reviews
📷 262 photos
Elite '2019

🔗 [Share review](#)
⏮️ [Embed review](#)

★★★★★ 9/13/2019
📷 1 photo

I'm a little on the fence about The Whale. I'm one of those old crabs that spends a lot of time grousing about the changes in Logan Square, so the feel is a little scary to me, but I'm glad we checked it out because the food and drinks were really quite good.

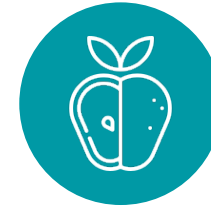
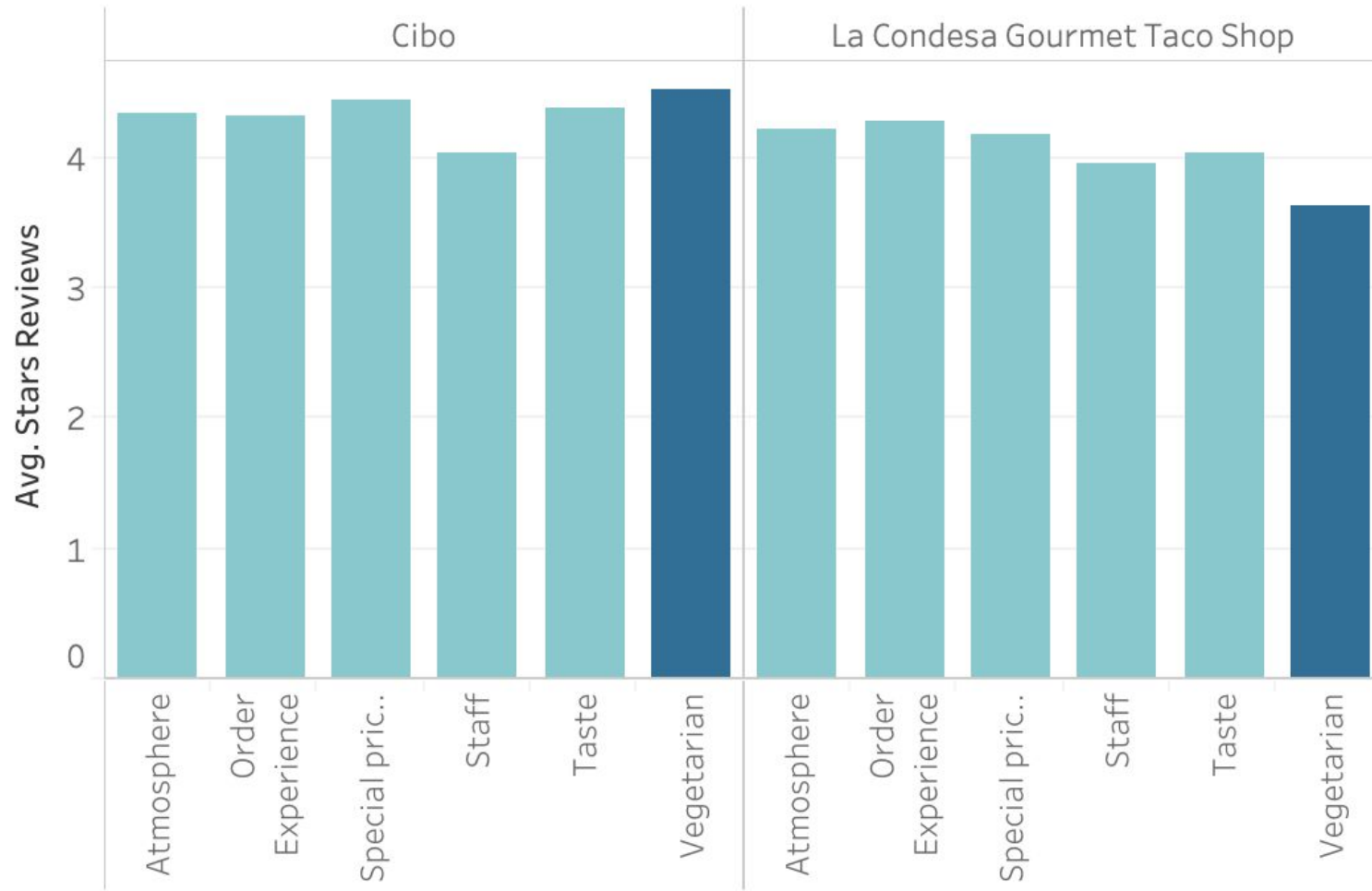
Firstly, I appreciated that there were some interesting things for my veg. husband to eat. He's not picky but sometimes more than a veggie burger is nice. He got the eggplant banh mi and mac and cheese and enjoyed both. We shared the charred carrot salad which was very good and I thought the roasted chicken was very flavorful. I could have used a larger sized cup of jus for the chicken though. Like possible bucket size. Just a thought.



Sort by 'Vegetarian'



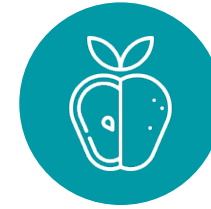
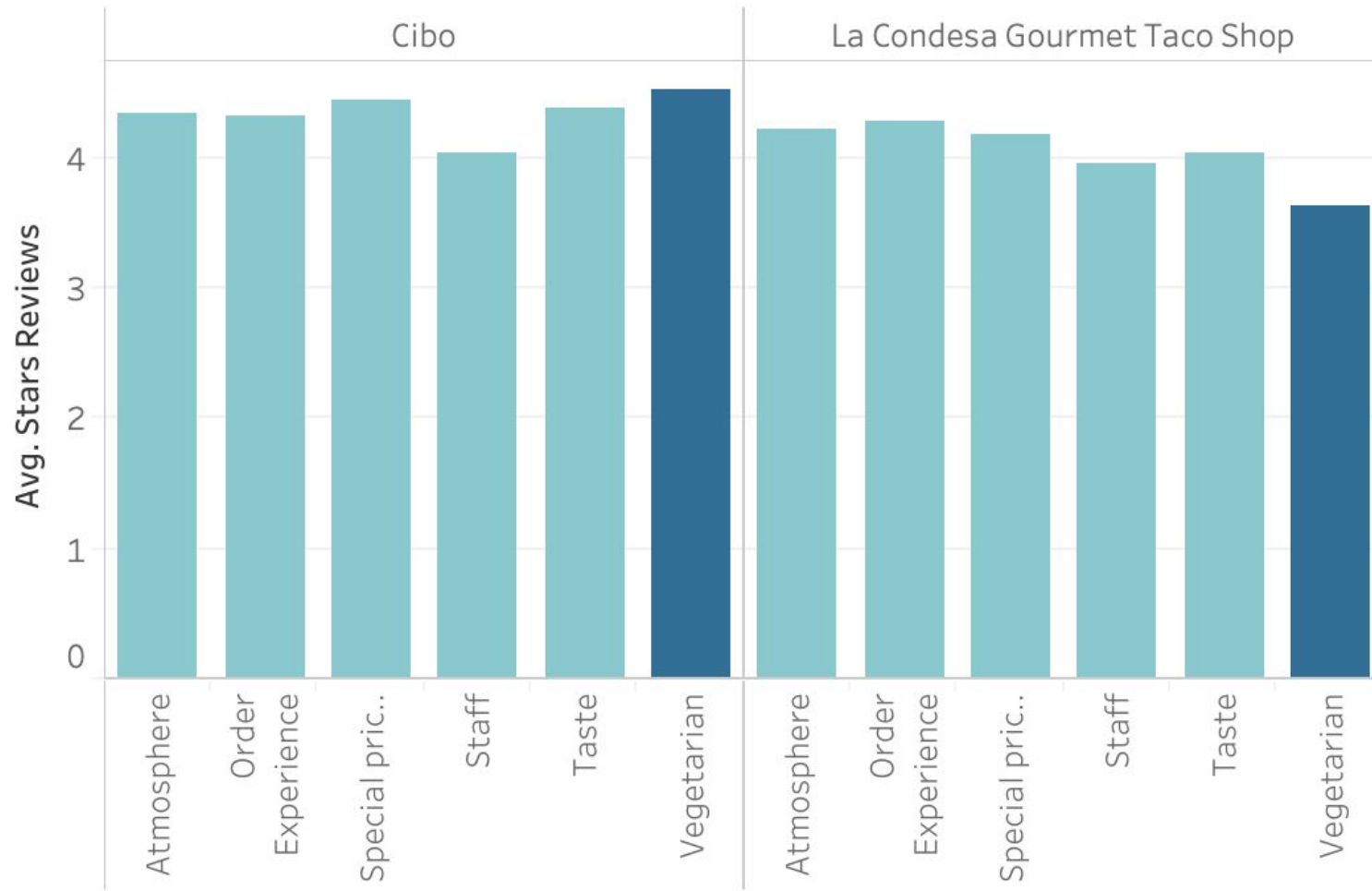
Rating by category



Compare restaurants



Rating by category



Compare restaurants



Rating by category

*Choose what is
really right for you!*



Thank you

Visualization

✓ K-Means

✓ PCA

2D scatter

3D scatter

