

Srcole/burritos



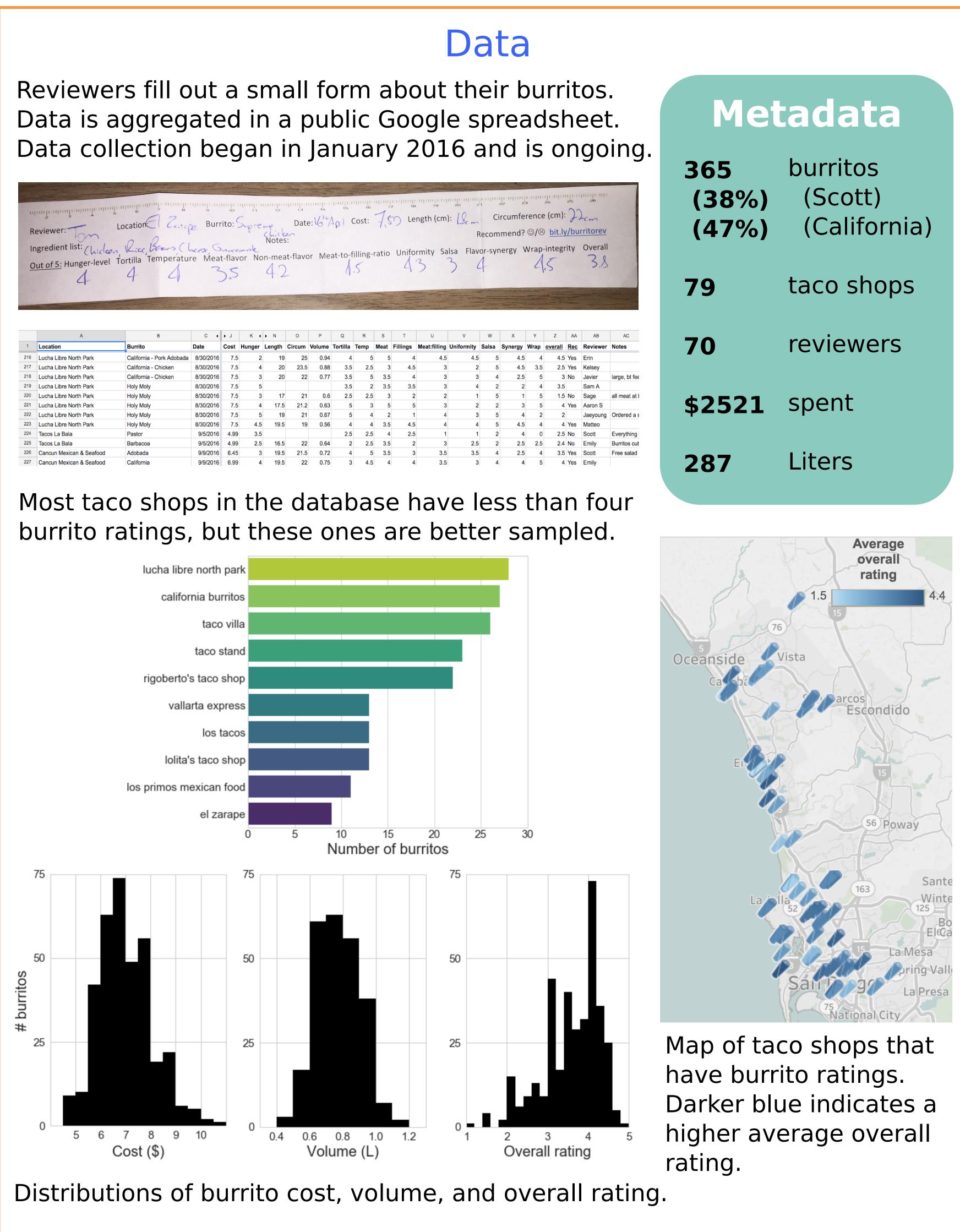


Background

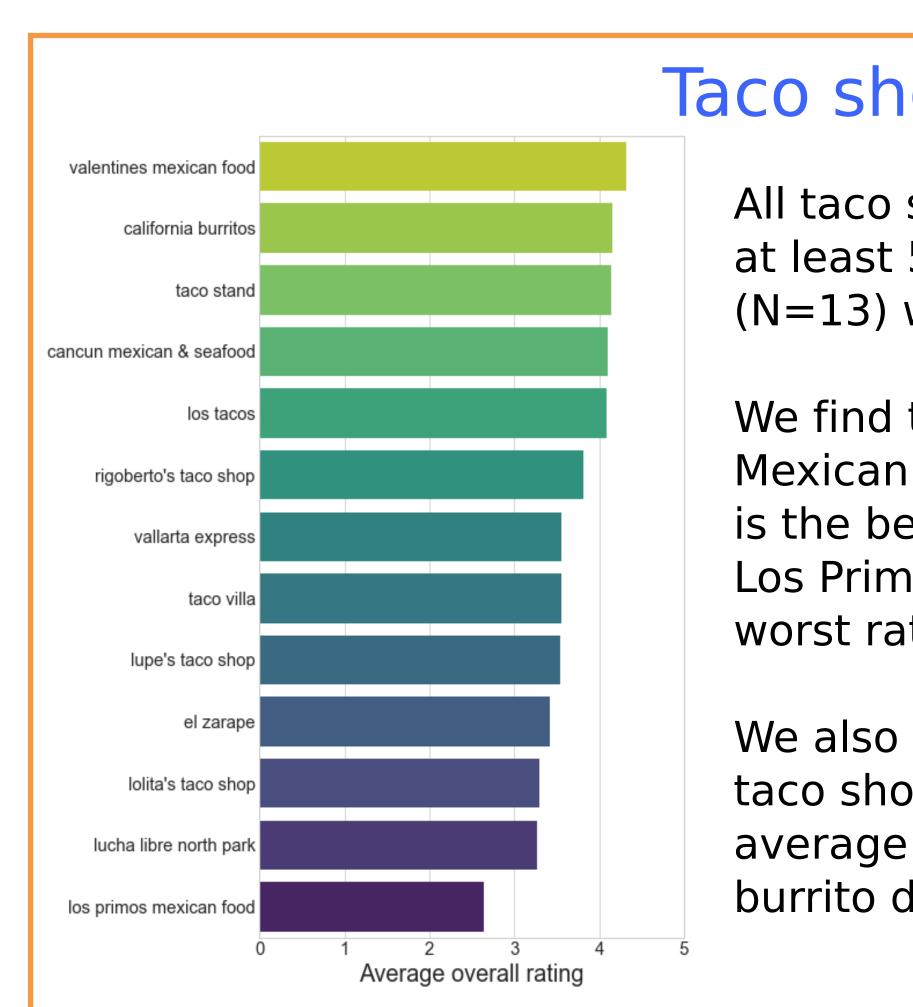
* Burritos are a beloved food source because they are economical, expeditious, delicious, and debatably nutritious.

* San Diego has an especially rich burrito culture and a unique twist that emphasizes meat and potatoes while restricting rice and beans. * There is limited data about burritos

- * Chipotle data set of customer orders * FiveThirtyEight national burrito
- bracket * burritosofsandiego.com has
- reviewed >100 California burritos

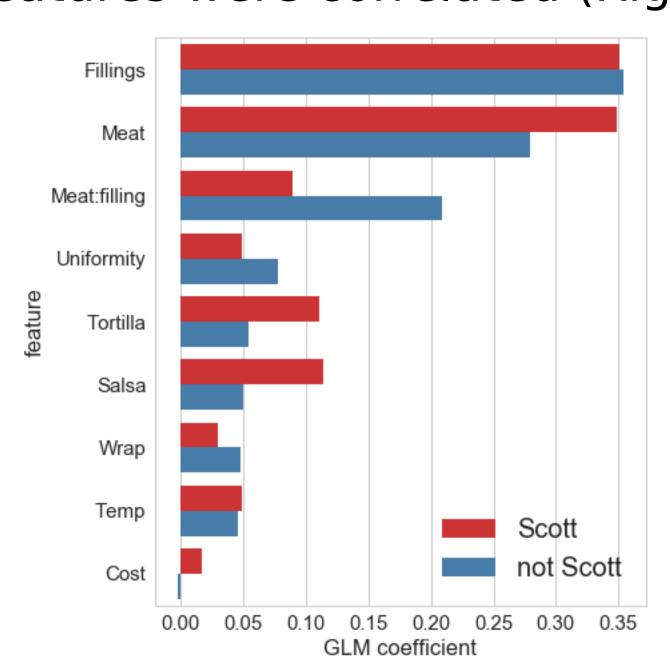


Burritos of San Diego: 10-dimensional analysis Scott R. Cole, Neurosciences Graduate Program, UC San Diego

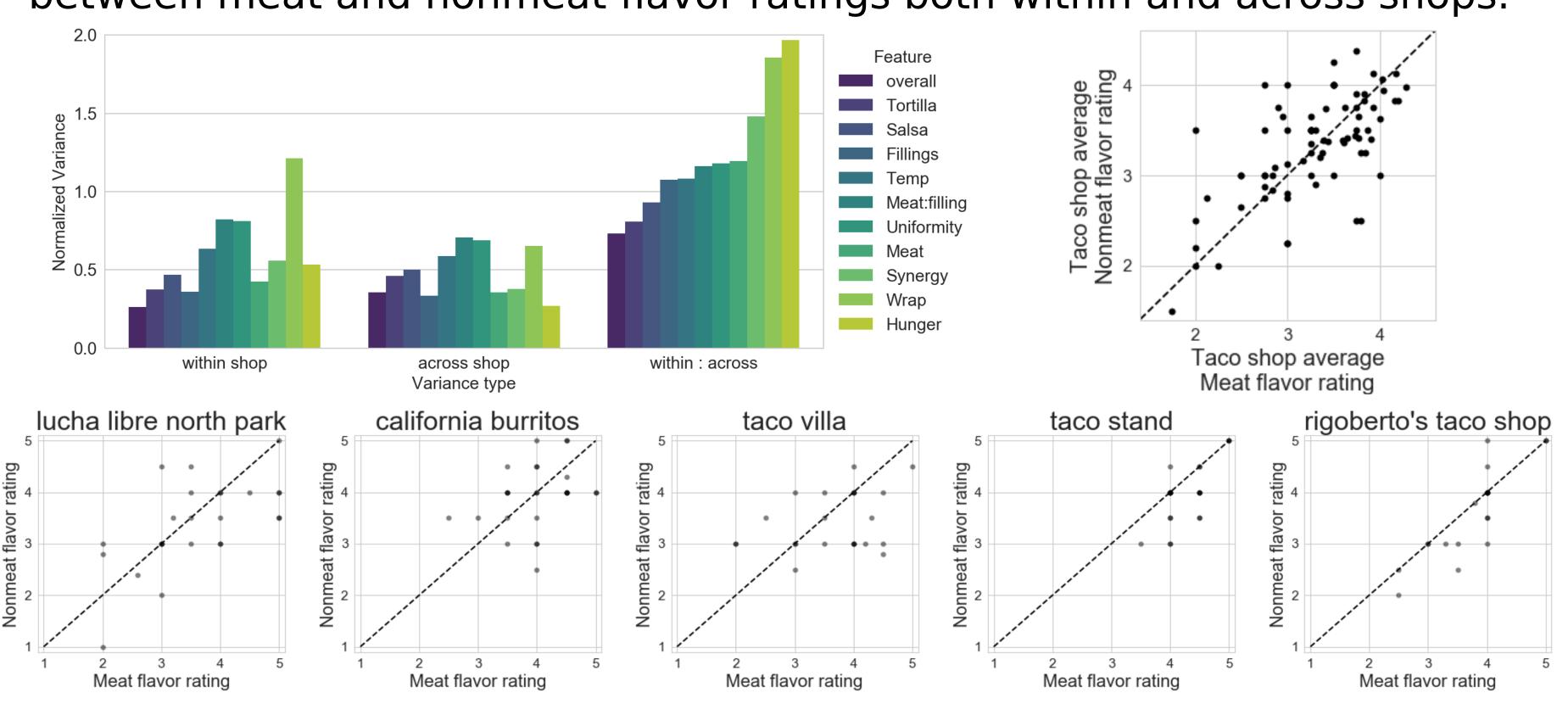


Relationships between burrito features

We studied how the different burrito features are related. A general linear model (Below) was fit to predict the overall burrito rating from the feature ratings. Importantly, these features were correlated (Right).



We also studied relationships between ratings within and across taco shops. Below, we show feature variance and also highlight a correlation between meat and nonmeat flavor ratings both within and across shops.



Taco shop rankings

All taco shops that had at least 5 burrito ratings (N=13) were compared.

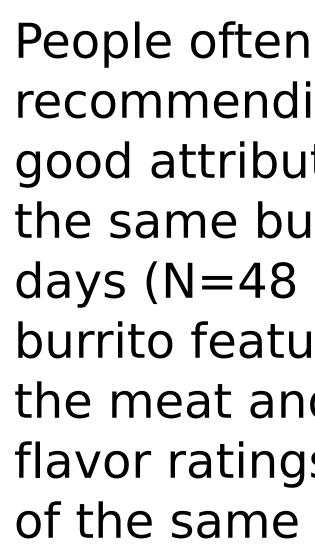
We find that Valentine's Mexican Food (downtown) is the best rated, while Los Primos (UTC) is the worst rated (Left).

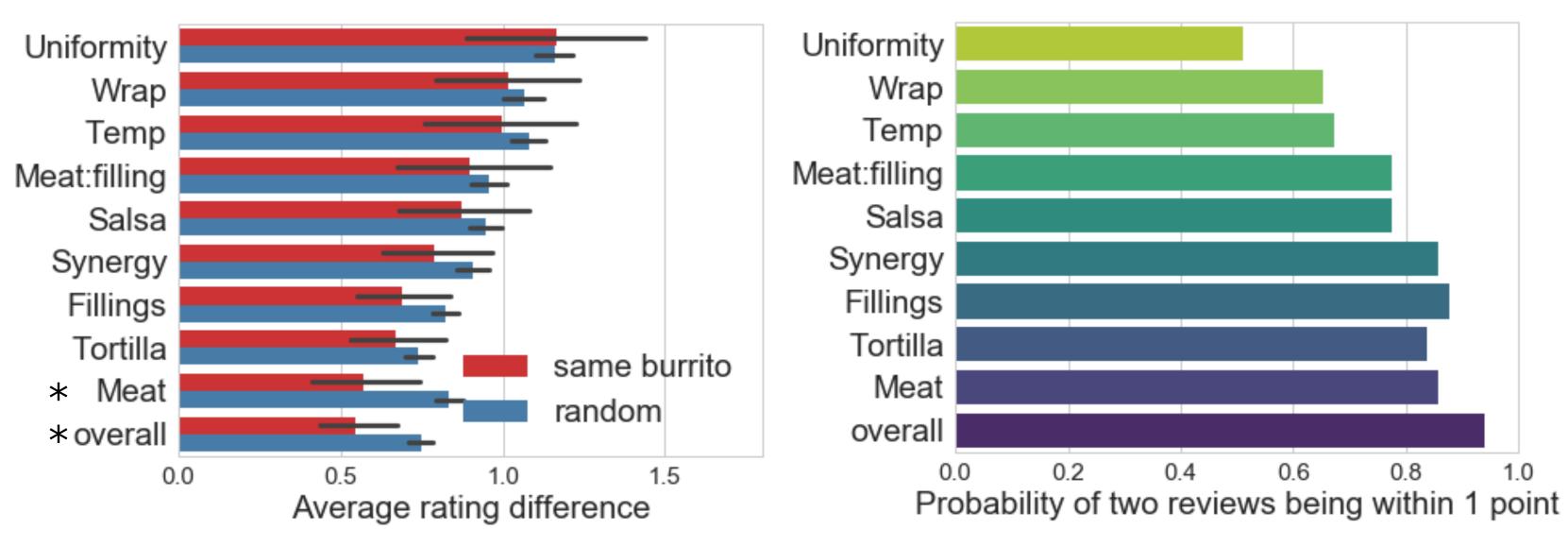
We also determined the taco shop with the highest average rating in each burrito dimension (Right).

Burrito feature	Best taco shop
Volume	Lupe's
Tortilla	Valentine's
Temperature	Cancun Mex. Sea.
Meat flavor	Taco Stand
Nonmeat flavor	Valentine's
Meat:nonmeat ratio	Valentine's
Ingredient distribution	Valentine's
Salsa	Lucha Libre
Flavor synergy	Taco Stand
Wrap integrity	El Zarape
Value by volume	Rigoberto's

The first PCA components roughly relate to overall burrito quality and the flaws of large burritos.

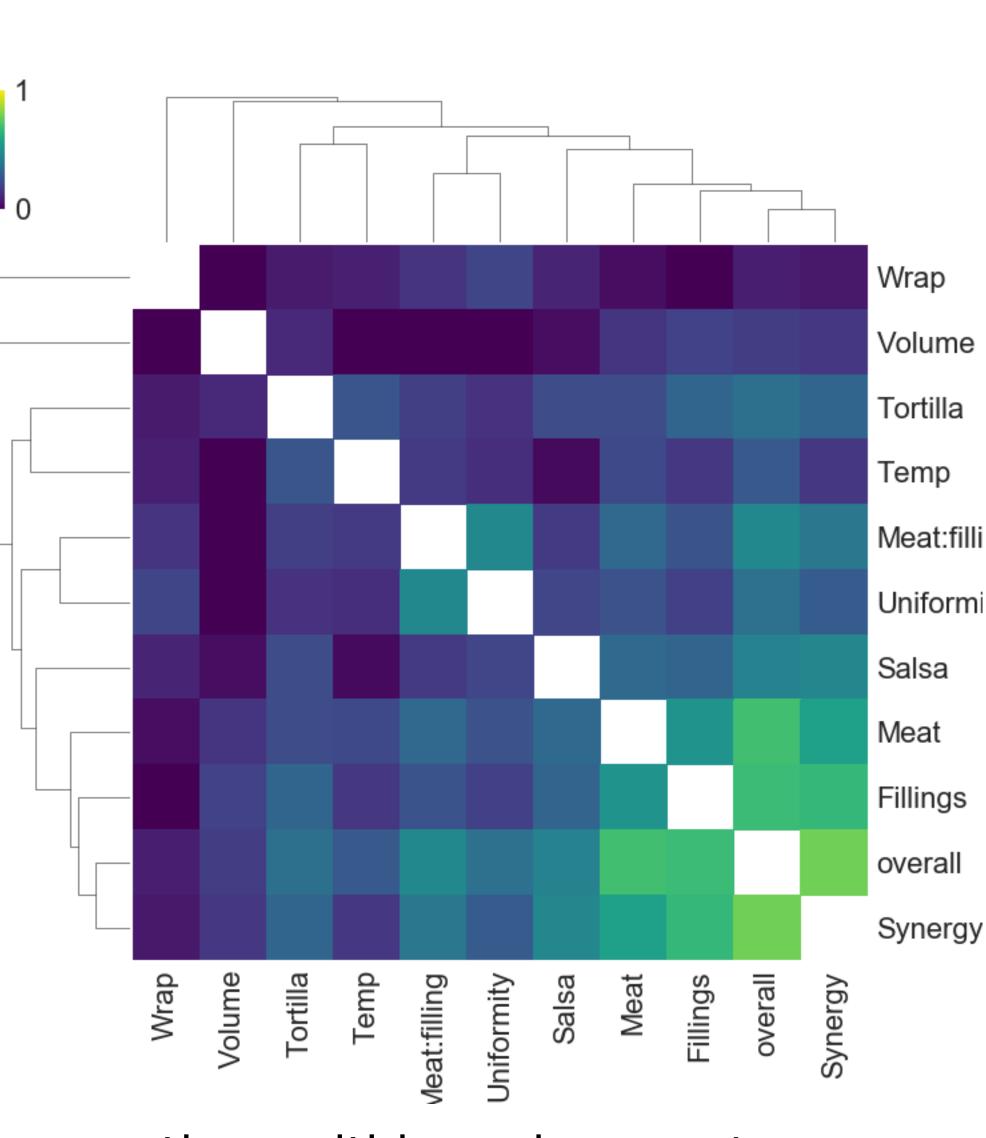
Burrito	dimension	Co
	Volume	
	Fillings	
	Meat	
	Synergy	
	Salsa	
	Tortilla	
	Temp	
Mea	t:filling	
U	Iniformity	
	Wrap	



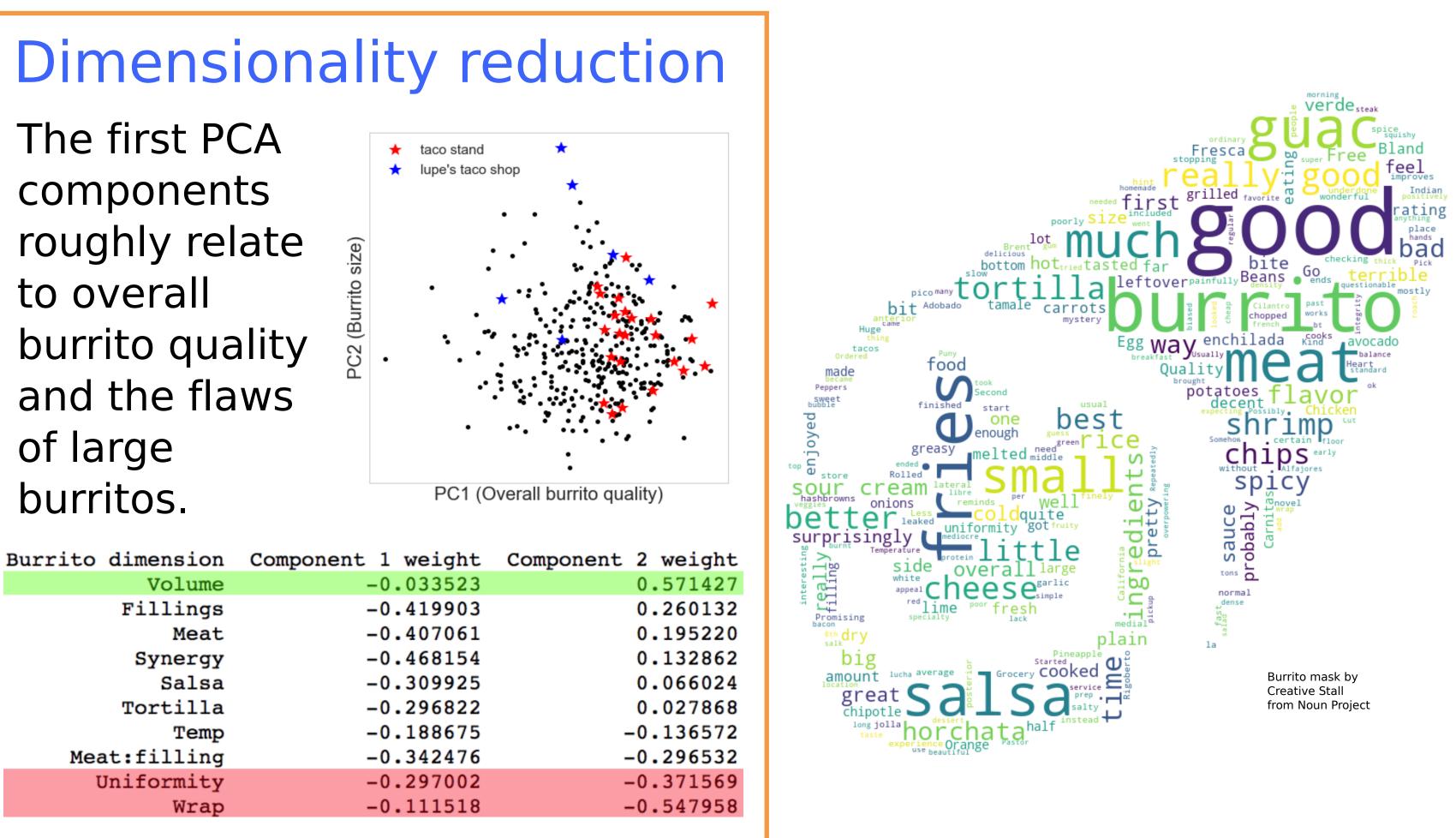


* The features of San Diego burritos are systematically correlated. * Ingredient ratings are more consistent than preparation ratings. * The correlation between meat and nonmeat flavor is due to multiple phenomena (synergistic flavor and general shop quality). **Future Work**

* Applying this framework for analyzing burritos to other foods * Collecting more data can allow additional confidence in analysis * Incorporating additional data features (e.g. demographics) to analyze how differences in context or individuals account for differences in burrito taste and ratings.



UC San Diego



Inter-reviewer reliability

People often share burrito knowledge. This can take the form of recommending burritos to other people because of a particularly good attribute. Therefore, we studied the consistency in ratings of the same burrito when ordered by different people on different days (N=48 rating pairs). Surprisingly, we found that the only burrito features that have significant inter-reviewer reliability are the meat and overall ratings (Left). While the overall, synergy, and flavor ratings are >80% likely to be within 1 point across 2 reviews of the same burrito, other features were less consistent.

Conclusions

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