



# RESTAURANTS IN CAPE TOWN

MOSES KABWE

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# INTRODUCTION

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- Large variety of restaurants
- Location data used to cluster suburbs based on restaurant categories
- This is of interest to:
  - Visitors and potential residents
  - People who are interested in opening a restaurant





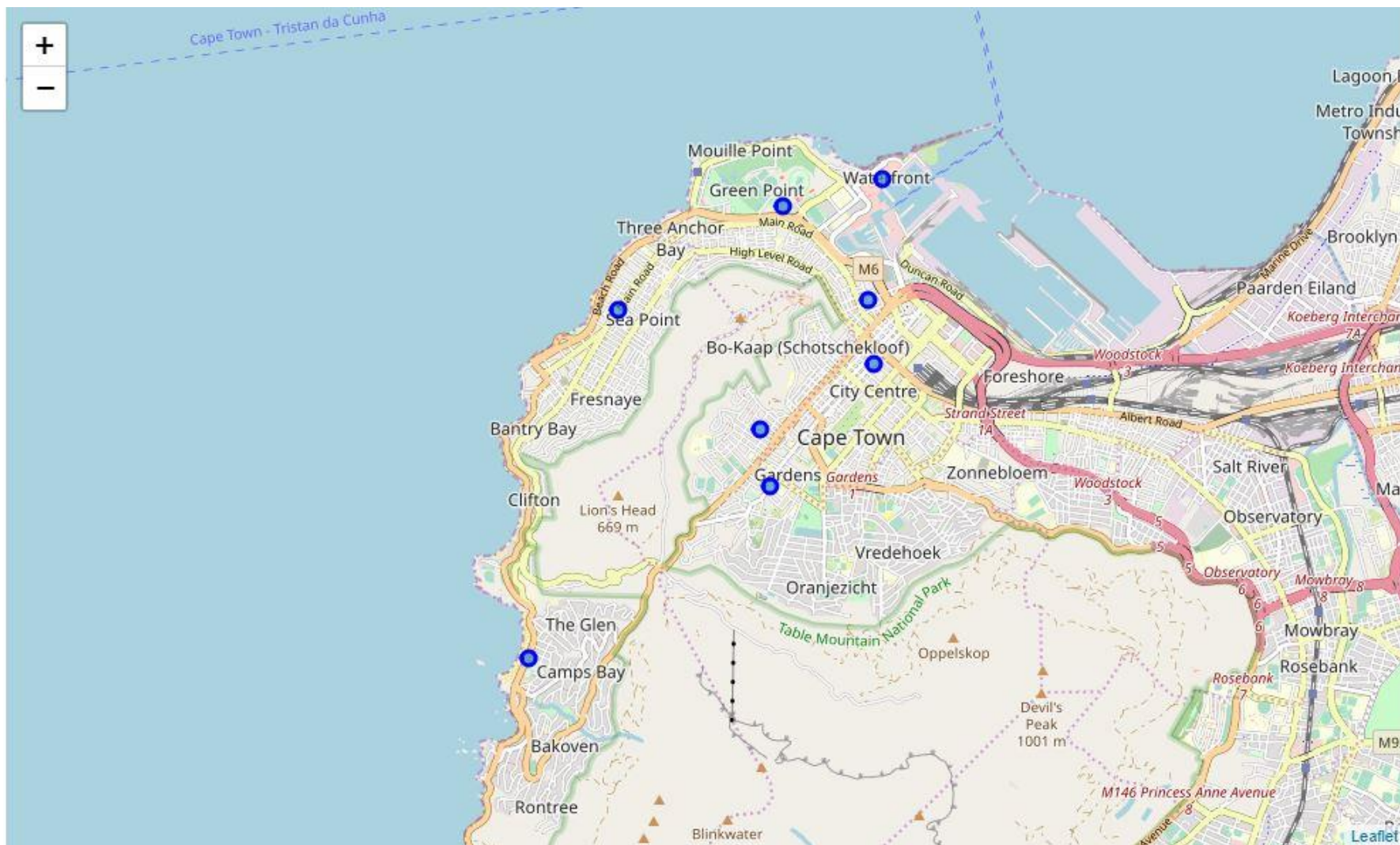
# DATA AND METHODOLOGY

- Data acquired from Google Maps and Foursquare
- Focusing on 8 suburbs
- 32 different restaurant categories
- Duplicates removed
- Bar graphs
- *K*-means clustering



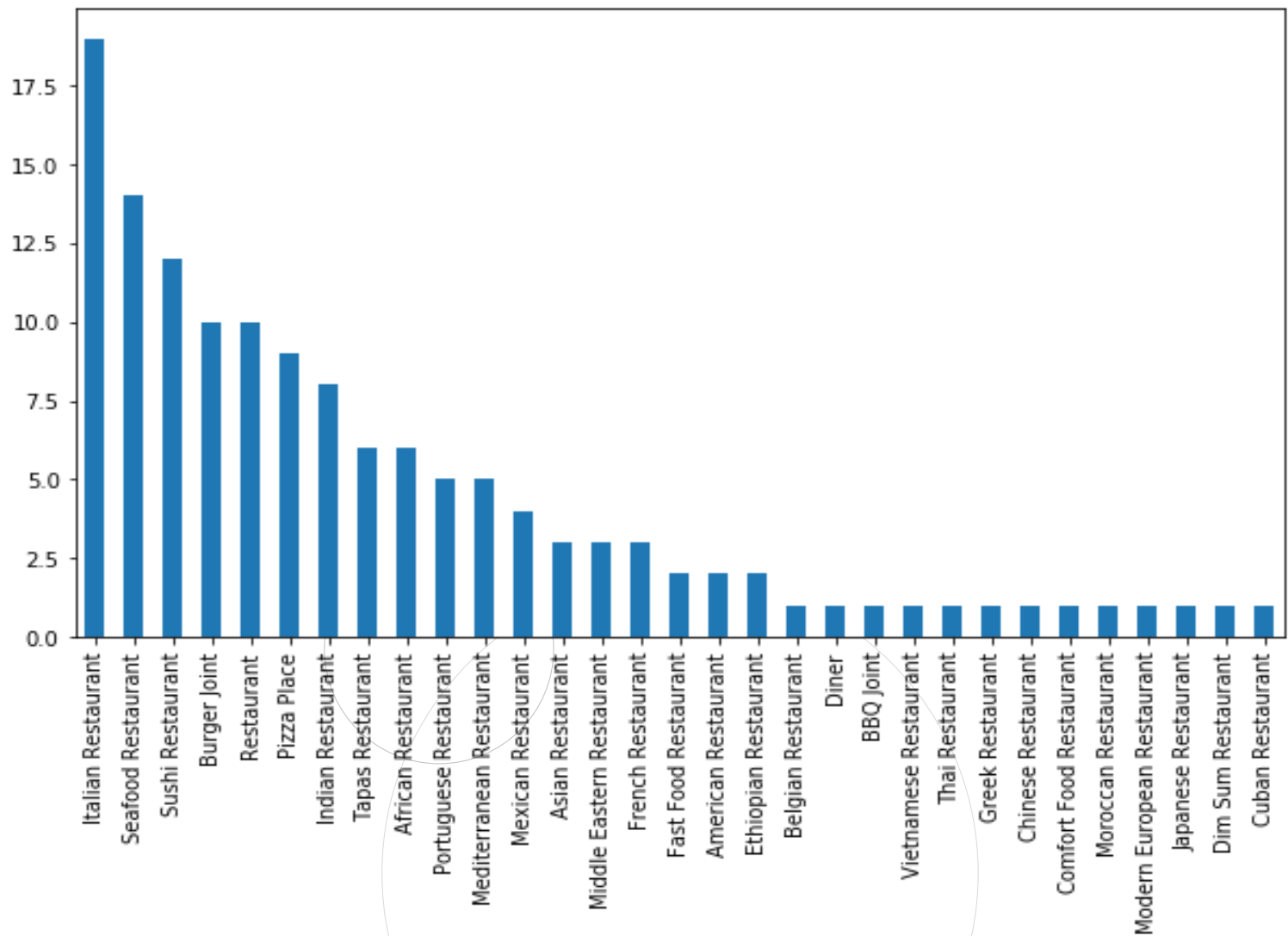


# MAP OF THE CITY



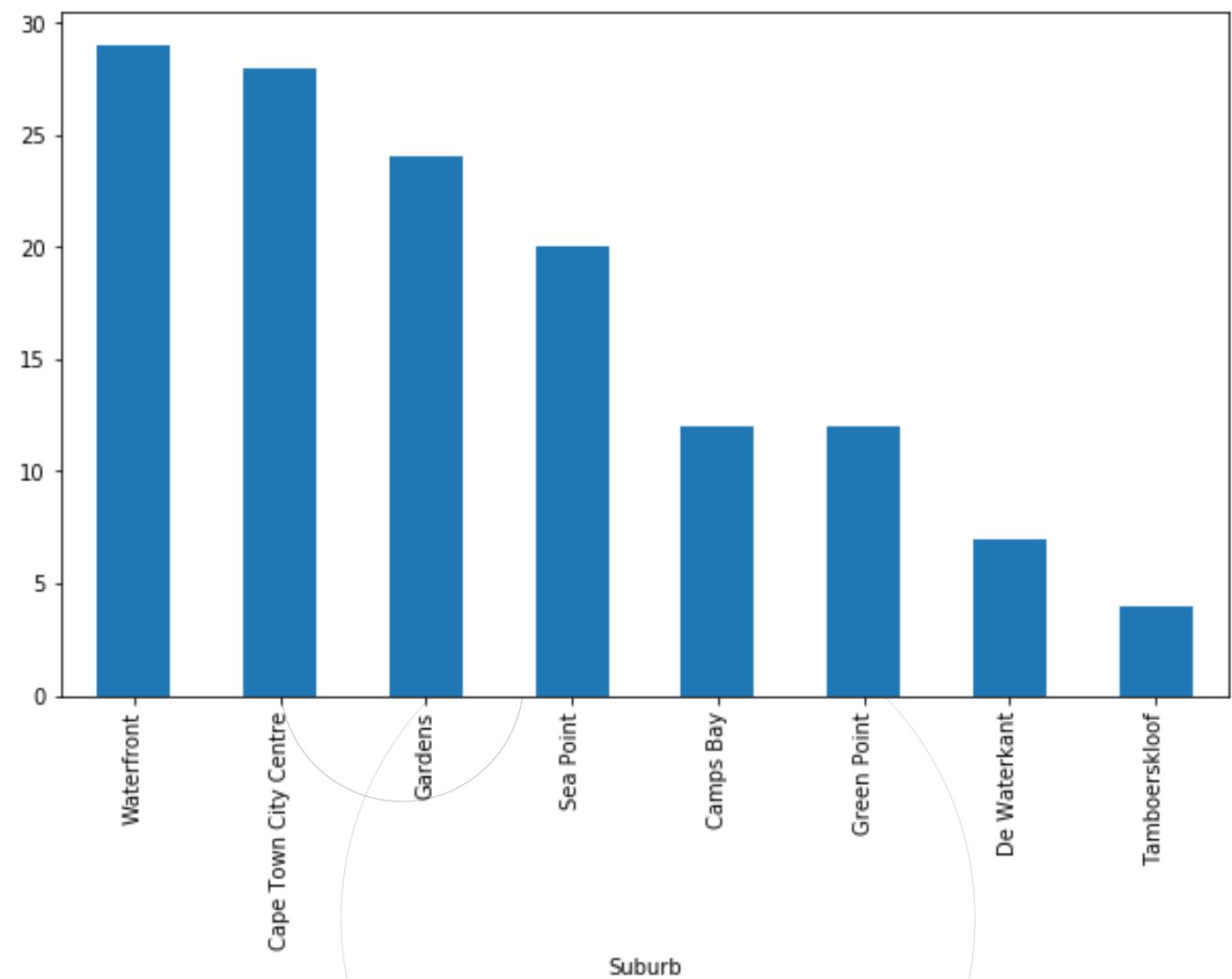


# BAR GRAPH OF THE RESTAURANT CATEGORIES





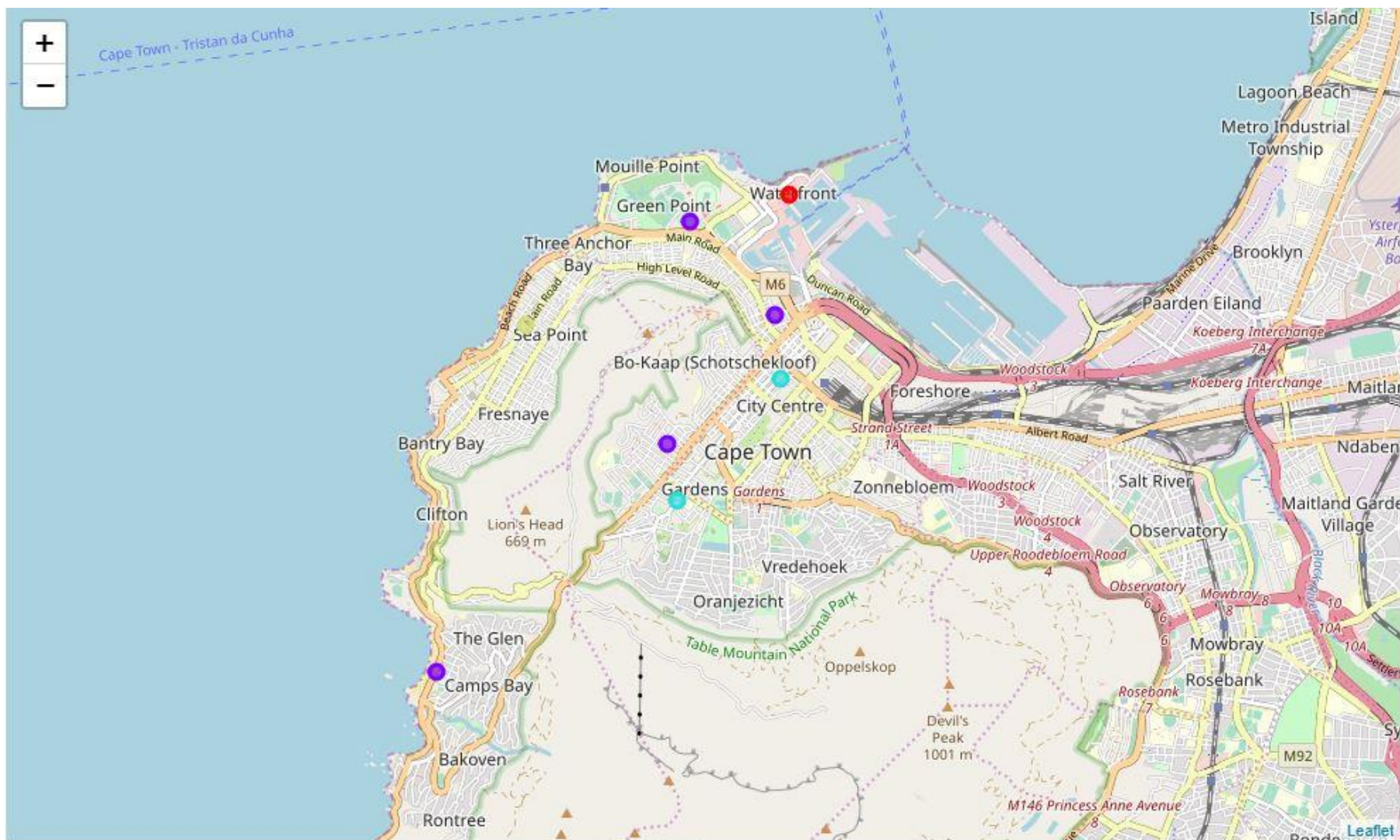
# BAR GRAPH OF THE SUBURBS







# MAP WITH THE 4 CLUSTERS





# THE 4 CLUSTERS

## Cluster 0:

	Suburb	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
1	Waterfront	Seafood Restaurant	Italian Restaurant	Tapas Restaurant	Mediterranean Restaurant	Restaurant

## Cluster 1:

	Suburb	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
3	De Waterkant	African Restaurant	Sushi Restaurant	Middle Eastern Restaurant	Italian Restaurant	Seafood Restaurant
4	Tamboerskloof	Asian Restaurant	Comfort Food Restaurant	Seafood Restaurant	Italian Restaurant	Pizza Place
5	Camps Bay	Restaurant	Seafood Restaurant	Japanese Restaurant	Mexican Restaurant	Indian Restaurant
7	Green Point	Sushi Restaurant	Burger Joint	Italian Restaurant	Pizza Place	Cuban Restaurant

## Cluster 2:

	Suburb	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Cape Town City Centre	Indian Restaurant	Italian Restaurant	Burger Joint	Pizza Place	Sushi Restaurant
2	Gardens	Italian Restaurant	Pizza Place	Portuguese Restaurant	French Restaurant	Indian Restaurant

## Cluster 3:

	Suburb	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
6	Sea Point	Sushi Restaurant	Italian Restaurant	Pizza Place	Middle Eastern Restaurant	Restaurant





## CONCLUSION

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- Clustered the 8 suburbs into 4 clusters based on restaurant categories
- Visitors/residents can choose where to stay based on their preferences
- Prospective restaurant owners can make better-informed decisions
- Future: a more thorough study than this one



# THANK YOU

