

Where 2 Move

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You are moving to a new city on the other side of the world, what suburb should you move to?



What do you care about?

Venues
nearby

Rent price

Introduction

Data – Venues



What venues are in the suburb?



Data Needed:

- Suburb geographical location
- Radius of interest

Data – Rent Price



What is the rent price in a suburb?



Data Needed:

- Median rent price for all suburbs
- Suburb median rent price percentile

Methodology

1

Generate features

- Venue frequency
- Rent price percentile

2

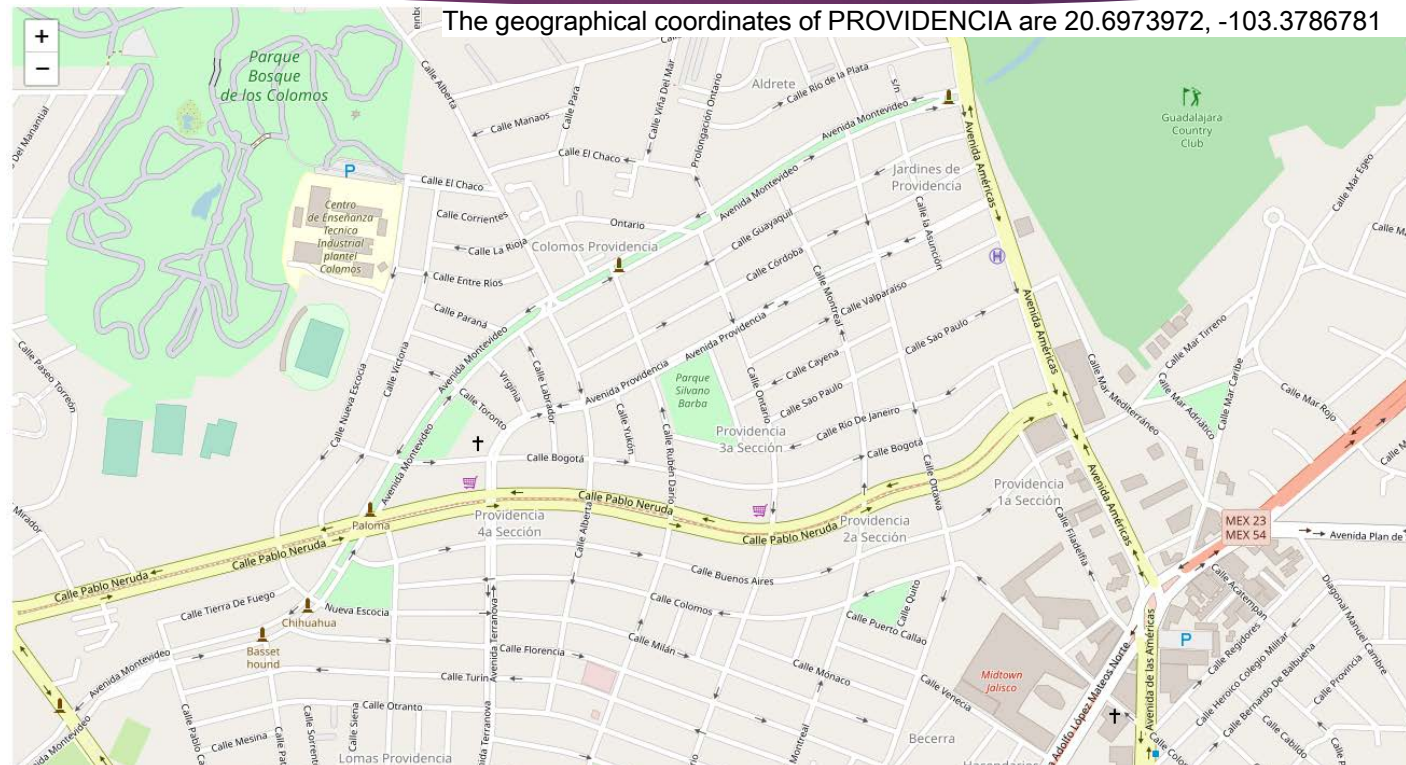
Generate target city model

- Feature intersection

3

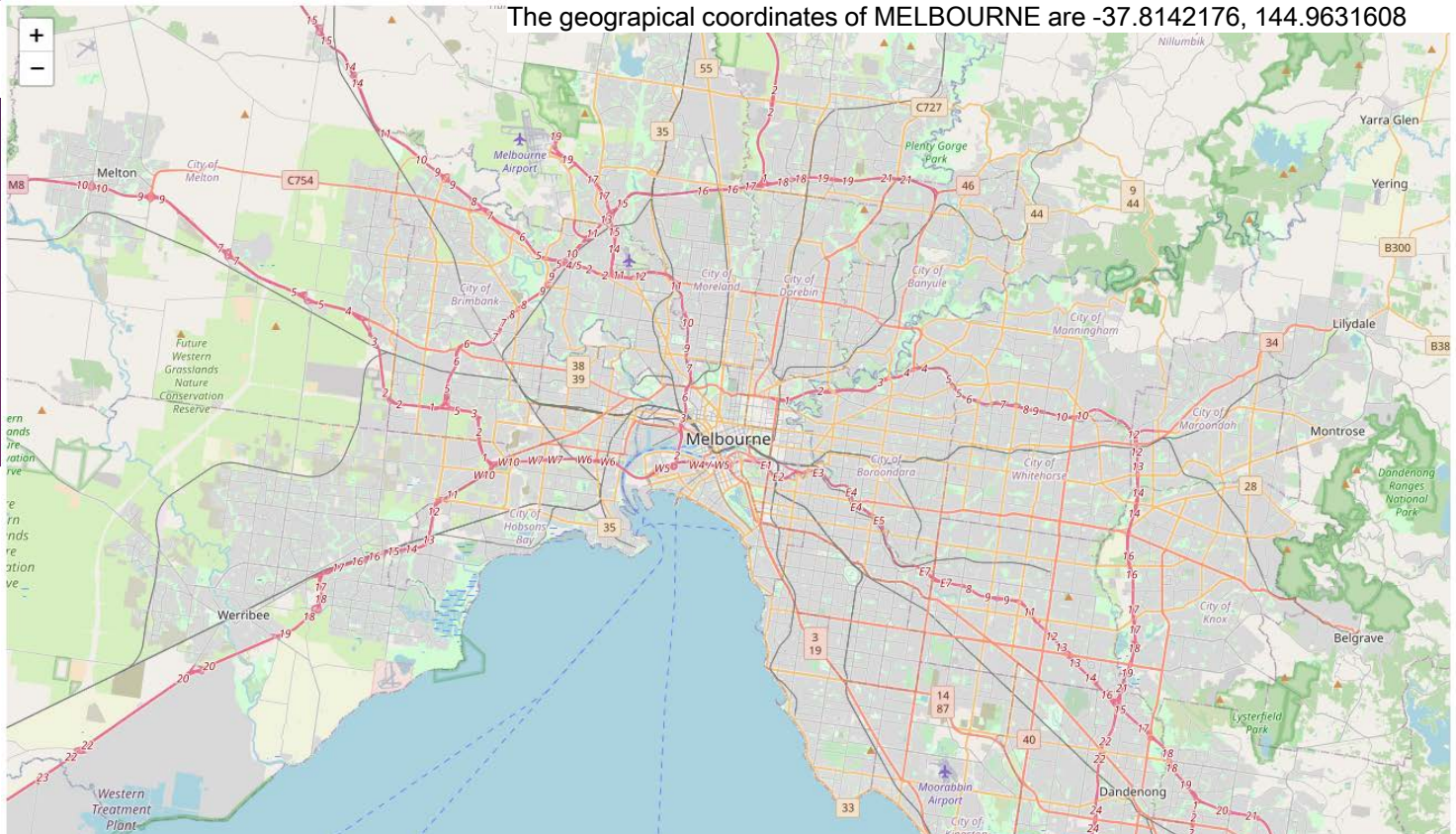
Estimate using source suburb data

Source Suburb Data



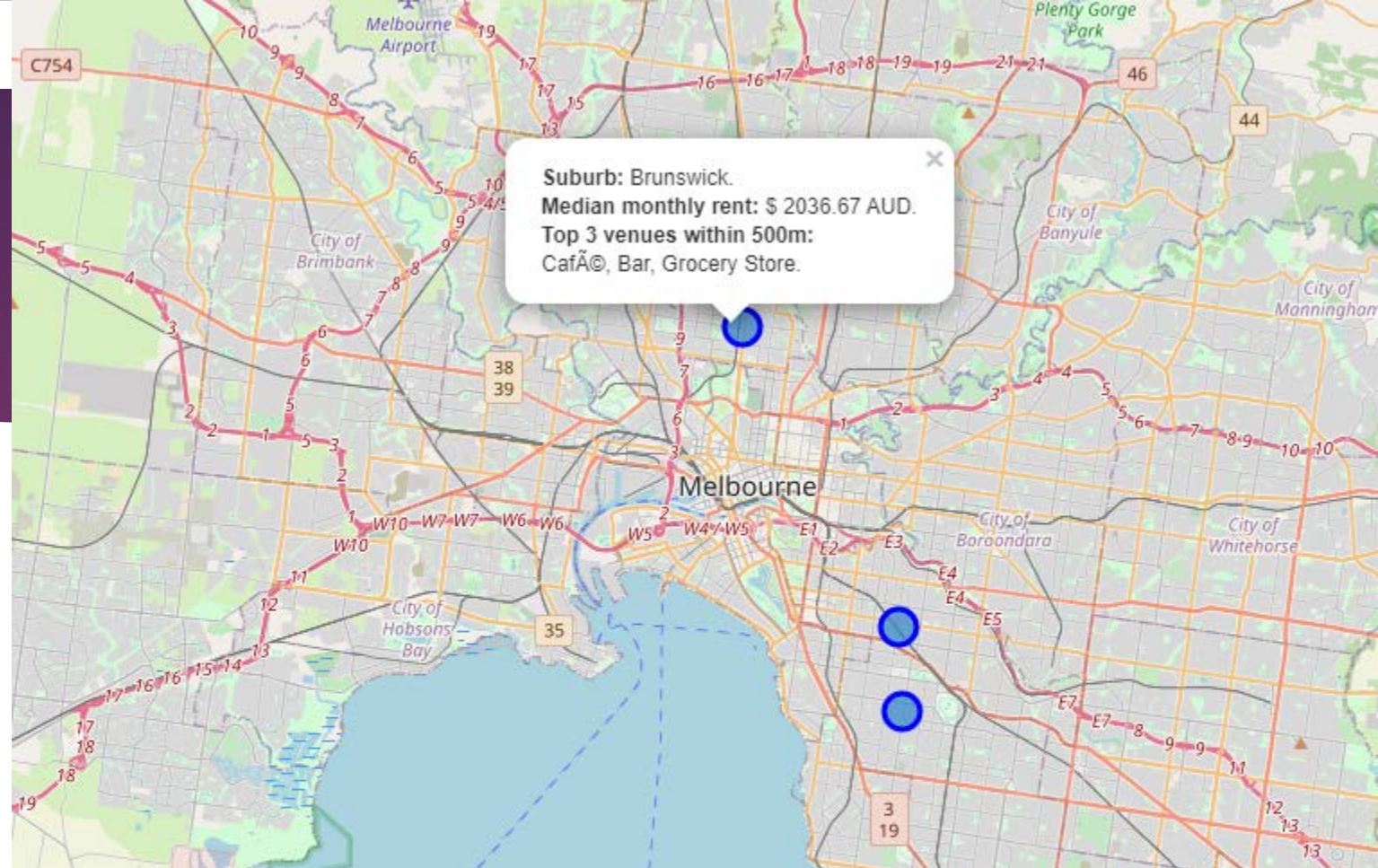
Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue	Rent Percentile
PROVIDENCIA	Coffee Shop	Restaurant	Gym / Fitness Center	Nightclub	Yoga Studio	Café	Deli / Bodega	Garden	Mexican Restaurant	Ice Cream Shop	38.291139

Target City Data



	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue	Rent	Rent Percentile	Latitude	Longitude
0	Abbotsford	Café	Pub	Thrift / Vintage Store	Vegetarian / Vegan Restaurant	Farmers Market	Japanese Restaurant	Sporting Goods Shop	Garden	Convenience Store	Coffee Shop	2166.666667	45.714286	-37.804551	144.998854
1	Albert Park	Café	Grocery Store	Athletics & Sports	Playground	Golf Course	Thai Restaurant	Tennis Court	Light Rail Station	Indian Restaurant	Hotel	2535.000000	70.000000	-37.847772	144.962008
2	Alphington	Gym / Fitness Center	Park	Train Station	Fast Food Restaurant	Liquor Store	Convenience Store	Farmers Market	Thai Restaurant	Fish Market	Flea Market	1993.333333	34.285714	-37.778395	145.031282
3	Altona	Italian Restaurant	Harbor / Marina	Pizza Place	Seafood Restaurant	Performing Arts Venue	Fish & Chips Shop	Park	Burger Joint	Beach	Gym	1733.333333	17.142857	-37.867206	144.830142
4	Armadale	Café	Convenience Store	Tram Station	Playground	Spa	Grocery Store	Train Station	Light Rail Station	Pizza Place	Breakfast Spot	2080.000000	40.000000	-37.856762	145.020691

Results



	Cluster Labels	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue	Rent	Rent Percentile	Latitude	Longitude
4	14	Armadale	Caf��	Convenience Store	Tram Station	Playground	Spa	Grocery Store	Train Station	Light Rail Station	Pizza Place	Breakfast Spot	2080.000000	40.000000	-37.856762	145.020691
20	14	Brunswick	Caf��	Bar	Grocery Store	Bakery	Pizza Place	Supermarket	Bookstore	Thrift / Vintage Store	Restaurant	Tapas Restaurant	2036.666667	37.142857	-37.766472	144.961310
33	14	Caulfield	Caf��	Pizza Place	Fast Food Restaurant	Gym	Grocery Store	Convenience Store	Flower Shop	Fish Market	Flea Market	Food	2058.333333	38.571429	-37.882265	145.022463
36	14	Cheltenham	Caf��	Coffee Shop	Indian Restaurant	Asian Restaurant	Gastropub	Thai Restaurant	Park	Pharmacy	Pizza Place	Pet Store	2036.666667	37.142857	-37.967008	145.054695