FineDyne: A Tool to Browse and Compare Restaurants

547 Final Presentation

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Motivation

Deciding what and where to eat can be complicated.

Sometimes we know exactly what we're looking for...

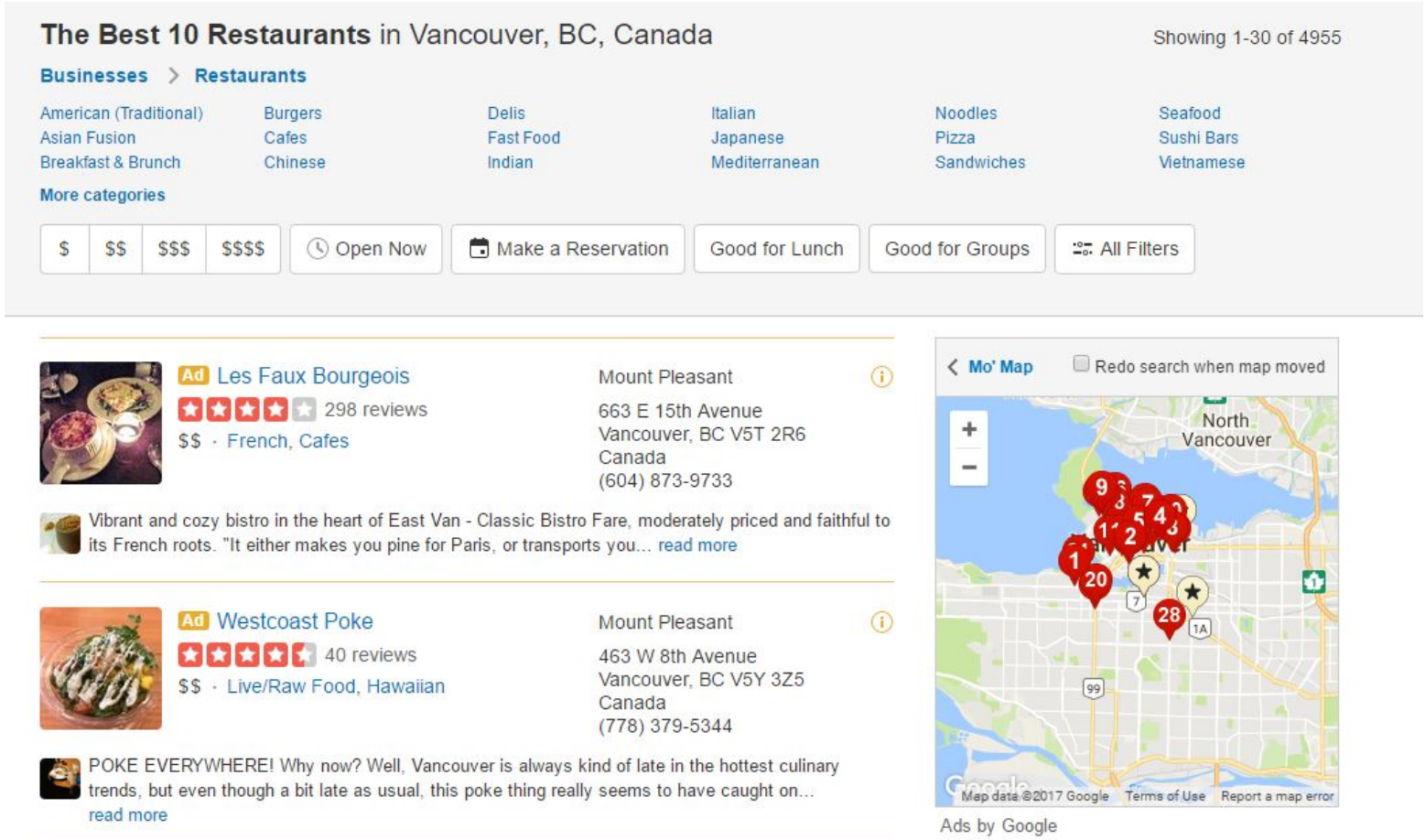
Sometimes we don't.

Yelp

Dining Decision Criteria

- Price
- Quality
- Cuisine
- Location

Top 10 list of results



But is Yelp perfect?

1

Hard to compare multiple restaurants on different criteria:

“Show me the best Italian or Japanese places in this area.”

2

Does not show breakdown of where restaurants fall in different criteria options:

“How many high quality French places are there for $$ price range?”

“Show me only the 5 star restaurants around me.”

Abstraction

Tasks

Know all criteria, find restaurants that fit them

“Best Japanese or Mexican for under $45 per person, with bars nearby”

Tasks

Know some criteria, find restaurants that fit them

“Best places near my work under $30 per person but with good dessert options nearby”

Tasks

Know very little criteria, find restaurants that fit them

“What are the best types of restaurants to eat in for each of these neighborhoods? ”

WHAT → Table (name, price range, quality, location, cuisine)

WHY → **Overview, discover, browse, compare, annotate**

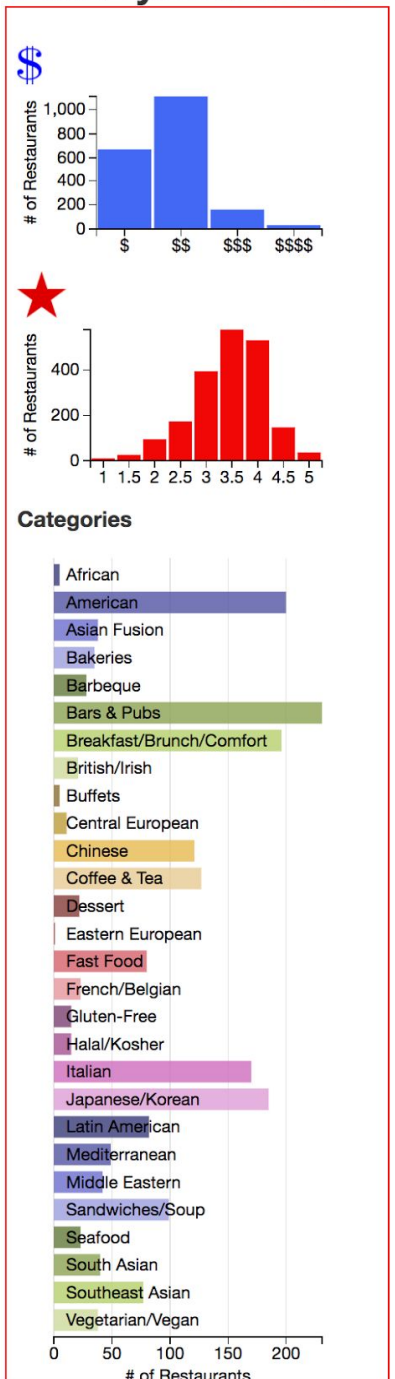
HOW → Bar Charts, Row Chart, Map, Data Table
Manipulation: Select/Highlight
Geometric Zooming
Facet: Juxtapose -> Linked Highlighting

SCALE → Hundreds to thousands

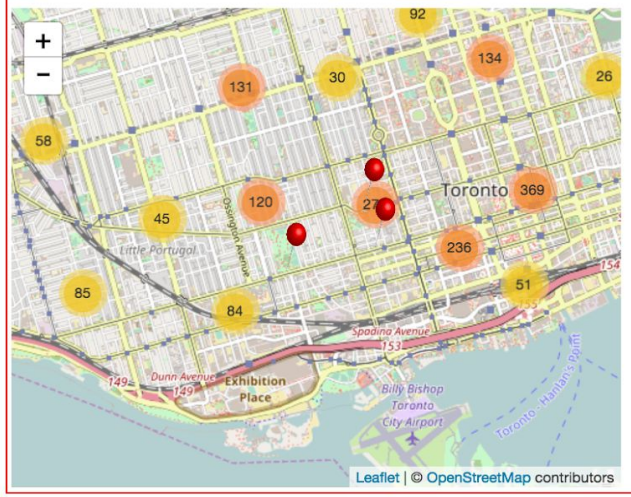
Introducing

FineDyne

Criteria View



Map View



Pin	Name	Stars	Price	Cuisine
	Morton's The Steakhouse	★★★★	$$$$	American
	120 Diner	★★★½	$$	Breakfast/Brunch/Comfort
	309 Dhaba Indian Excellence	★★★	$$	South Asian
	360 Restaurant	★★★½	$$$$	American
	416 Snack Bar	★★★★	$$	Bars & Pubs
	605 On Yonge	★★★½	$$$$	Bars & Pubs
	7 West Cafe	★★★½	$$	Breakfast/Brunch/Comfort
	70 Down	★★★	$$	Bars & Pubs
	9 Restaurant	★★★★	$$	Bars & Pubs
	98 Aroma	★★★★	$$	Chinese

Showing 1 - 10 of 1979. < >

Pinned Places

Buddha's Vegetarian Foods
★★★★ $ Chinese
Review: 'I was there once and it was lovely! Tasty food and great atmosphere!'

Nam Sandwich
★★★★ $ Asian Fusion
Review: 'I was there once and it was lovely! Tasty food and great atmosphere!'

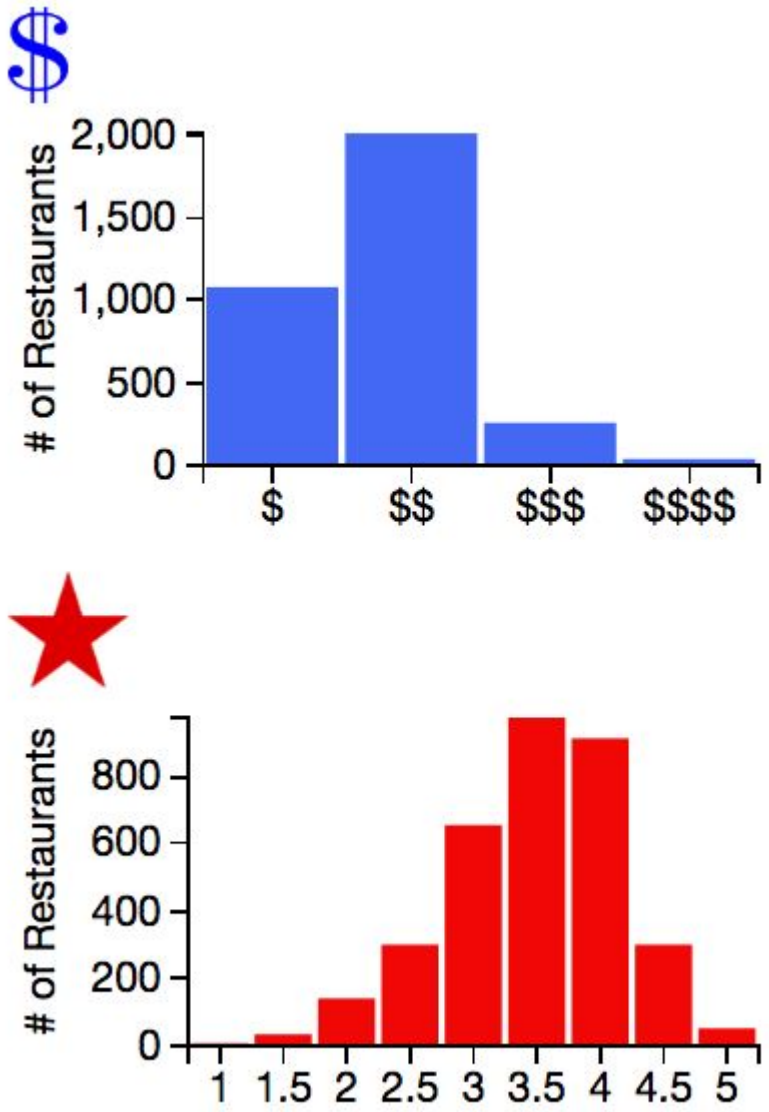
New York Subs & Burritos
★★★★ $ South Asian
Review: 'I was there once and it was lovely! Tasty food and great atmosphere!'

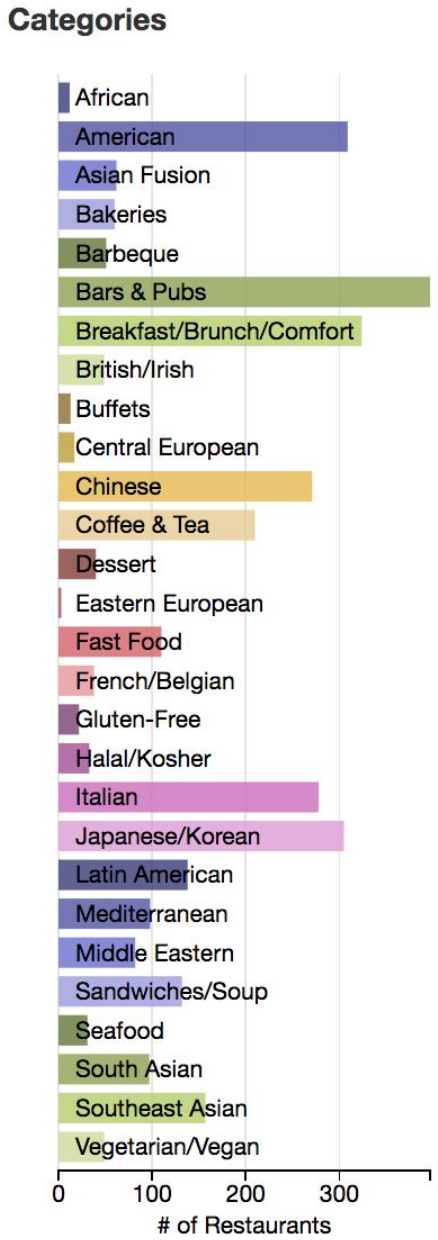
Compare View

Criteria View

Overview

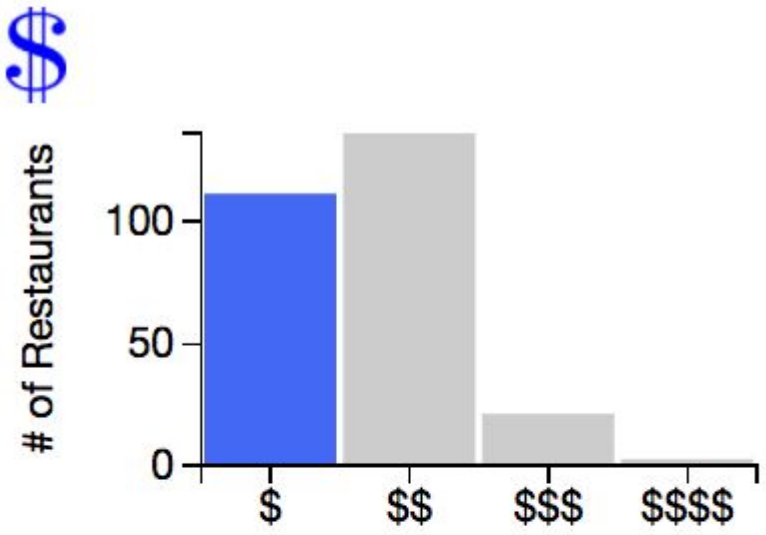
Discover

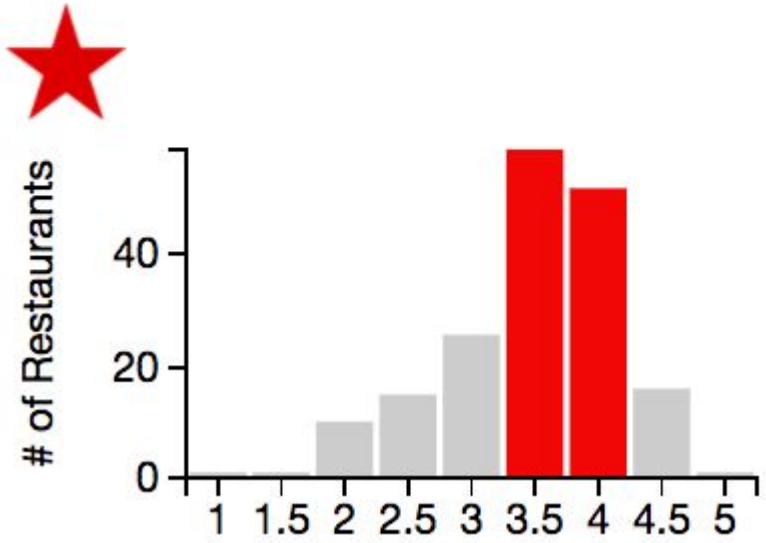


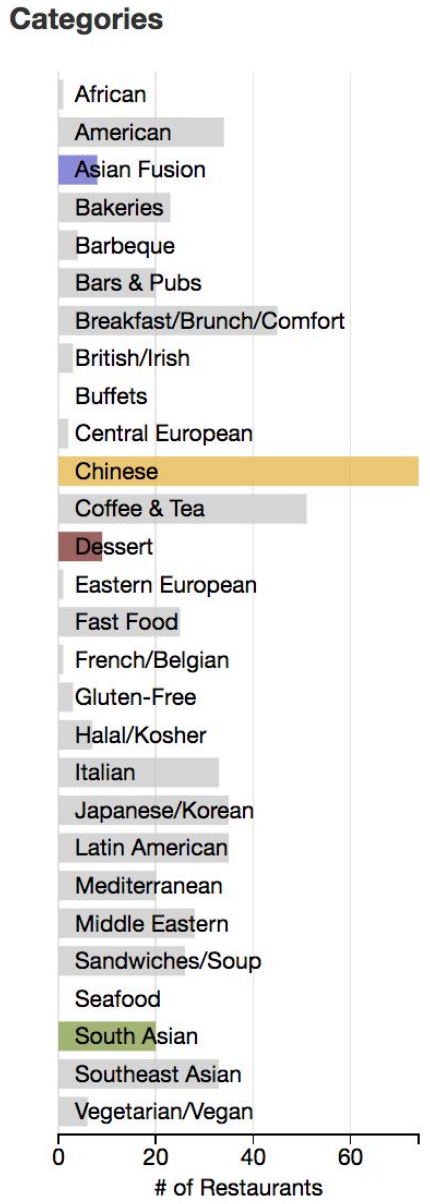


Criteria View

Browse

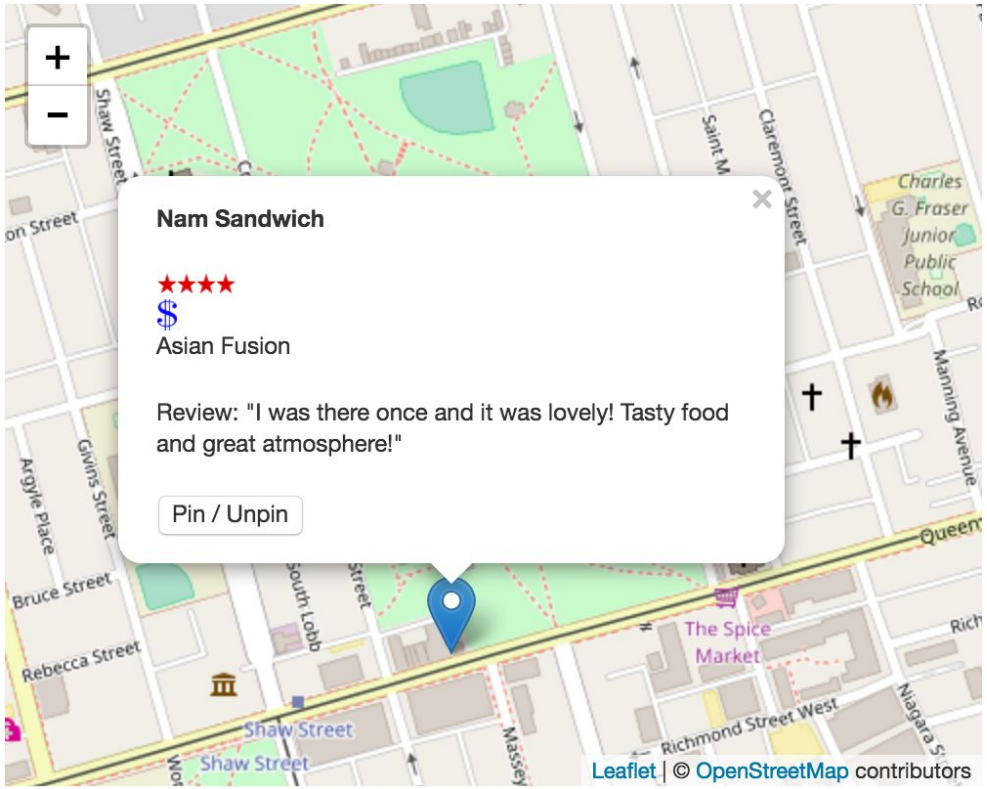


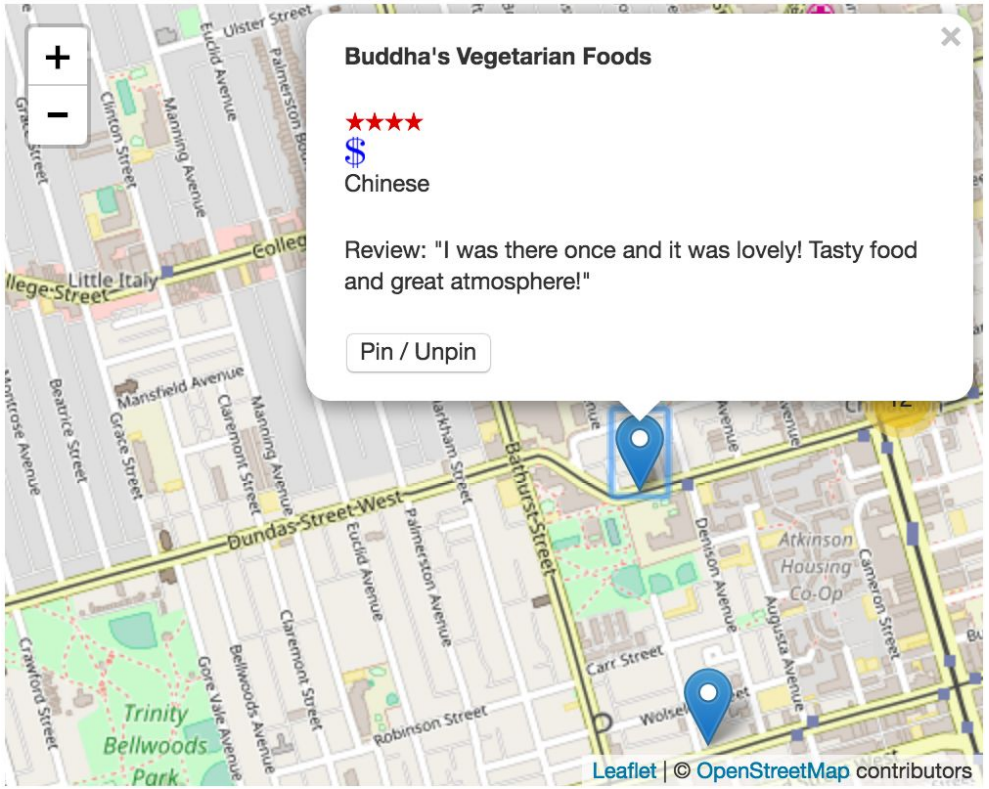




Map View

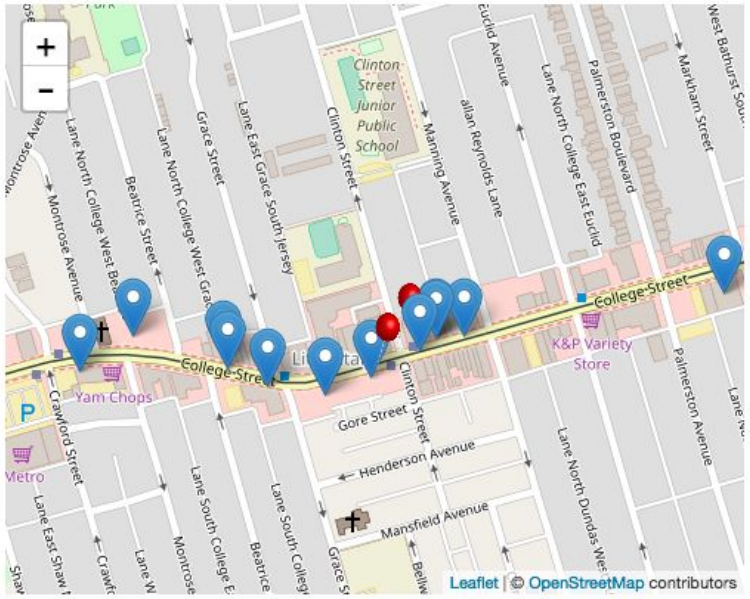
Compare geographically





Map View

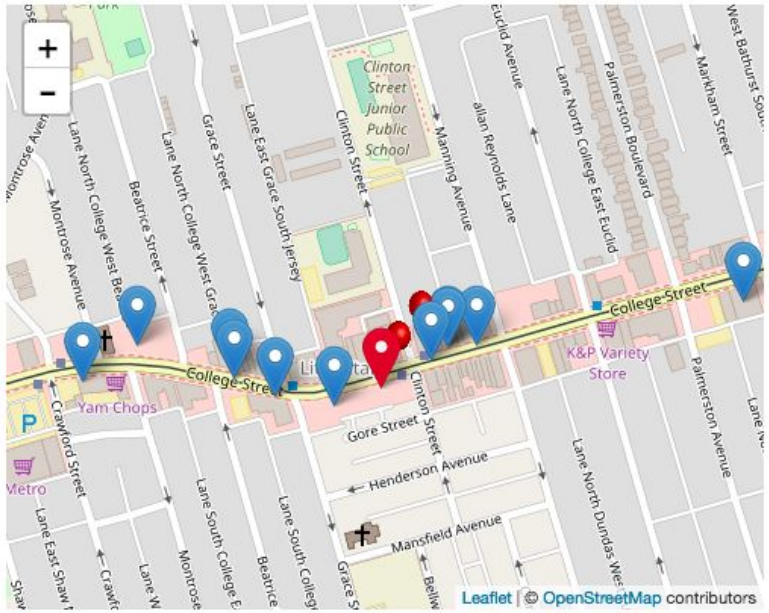
Compare geographically:
highlight



Pinned Places

Jerome's Cucina and Bar
★★★★ $$ Italian
Review: 'I was there once and it was lovely! Tasty food and great atmosphere!'

The Walton
★★★★½ $$ Bars & Pubs
Review: 'I was there once and it was lovely! Tasty food and great atmosphere!'



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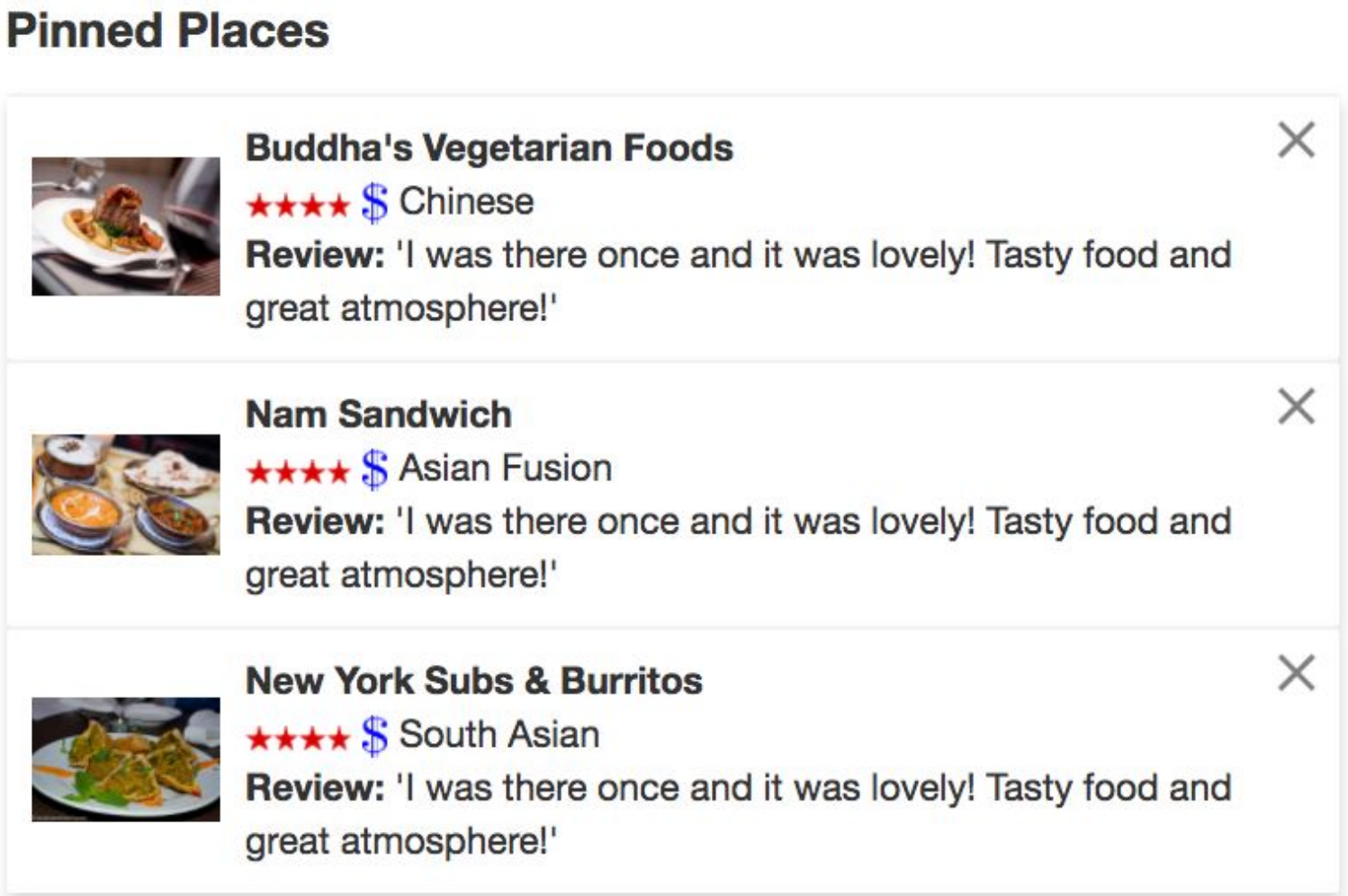
Compare View

Compare on restaurants of potential interest



Demo

Critique

1. No **validation**
2. **Map Encoding** -> Too many cuisines
3. **Aggregated** cuisines may lose **saliency**
4. **Screen real-estate** -> Can't see all pinned restaurants
5. **Technical** hurdles

Wrap-Up

FineDyne

Holistic and **iterative** multi-faceted restaurant browsing

Criteria View, **Map** View, **Compare** View

Focus is for those who like or need to **eat**! All of us!

Thank you!

Dilan Ustek
Matthew Chun

Try it out!
https://dilanustek.github.io/fineDyne/fineDyneSrc/web/

Some Image References

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