

# **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

### The Best 10 Restaurants in Vancouver, BC, Canada

Showing 1-30 of 4955

[Businesses](#) > [Restaurants](#)

<a href="#">American (Traditional)</a>	<a href="#">Burgers</a>	<a href="#">Delis</a>	<a href="#">Italian</a>	<a href="#">Noodles</a>	<a href="#">Seafood</a>
<a href="#">Asian Fusion</a>	<a href="#">Cafes</a>	<a href="#">Fast Food</a>	<a href="#">Japanese</a>	<a href="#">Pizza</a>	<a href="#">Sushi Bars</a>
<a href="#">Breakfast &amp; Brunch</a>	<a href="#">Chinese</a>	<a href="#">Indian</a>	<a href="#">Mediterranean</a>	<a href="#">Sandwiches</a>	<a href="#">Vietnamese</a>

[More categories](#)

[\\$](#) [\\$\\$](#) [\\$\\$\\$](#) [\\$\\$\\$\\$](#) [🕒 Open Now](#) [📅 Make a Reservation](#) [🍴 Good for Lunch](#) [👥 Good for Groups](#) [⚙️ All Filters](#)

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**Ad** [Les Faux Bourgeois](#)  
★ ★ ★ ★ ☆ 298 reviews  
\$\$ · [French, Cafes](#)

Mount Pleasant  
663 E 15th Avenue  
Vancouver, BC V5T 2R6  
Canada  
(604) 873-9733

 Vibrant and cozy bistro in the heart of East Van - Classic Bistro Fare, moderately priced and faithful to its French roots. "It either makes you pine for Paris, or transports you..." [read more](#)

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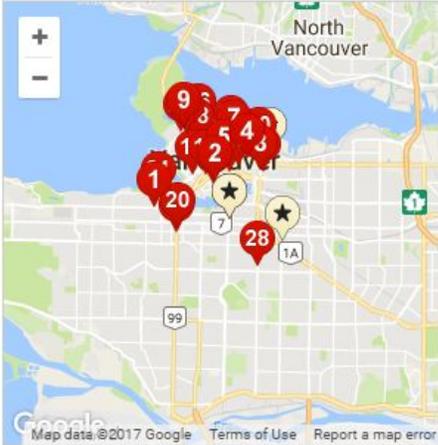
**Ad** [Westcoast Poke](#)  
★ ★ ★ ★ ☆ 40 reviews  
\$\$ · [Live/Raw Food, Hawaiian](#)

Mount Pleasant  
463 W 8th Avenue  
Vancouver, BC V5Y 3Z5  
Canada  
(778) 379-5344

 POKE EVERYWHERE! Why now? Well, Vancouver is always kind of late in the hottest culinary trends, but even though a bit late as usual, this poke thing really seems to have caught on... [read more](#)

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[Mo' Map](#)  Redo search when map moved



Map data ©2017 Google [Terms of Use](#) [Report a map error](#)

Ads by Google

**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*

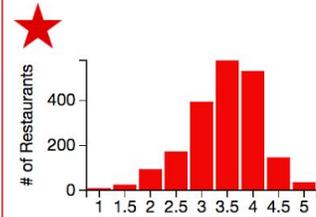
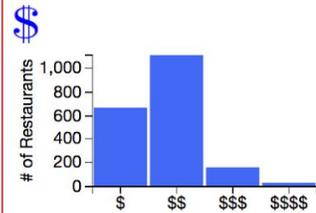
**SCALE**

—————> Hundreds to thousands

Introducing  
*FineDyne*

# Criteria View

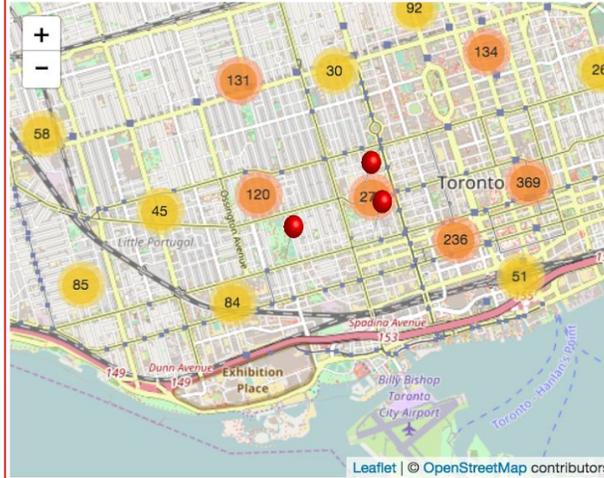
## FineDyne in Toronto



### Categories



# Map View



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

### 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!'

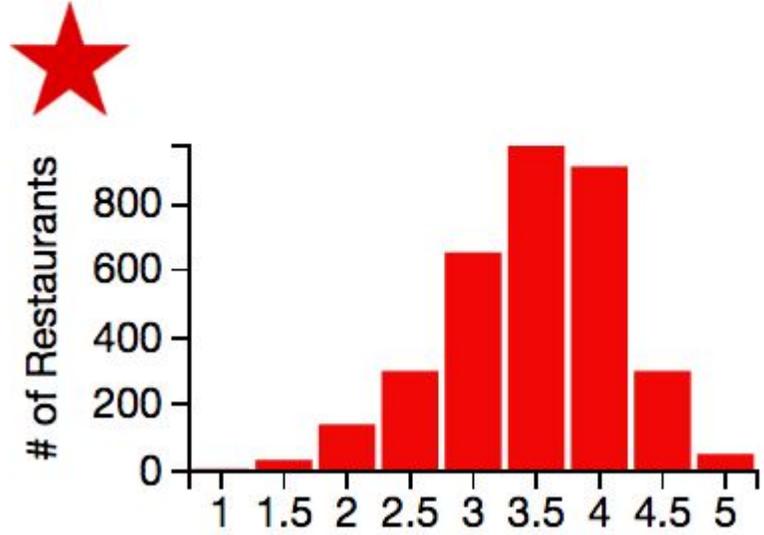
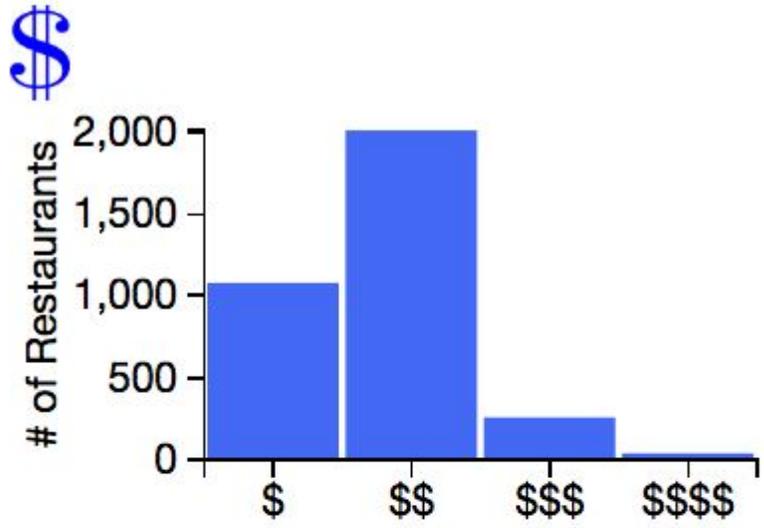
Showing 1 - 10 of 1979. < >

# Compare View

# Criteria View

Overview

Discover

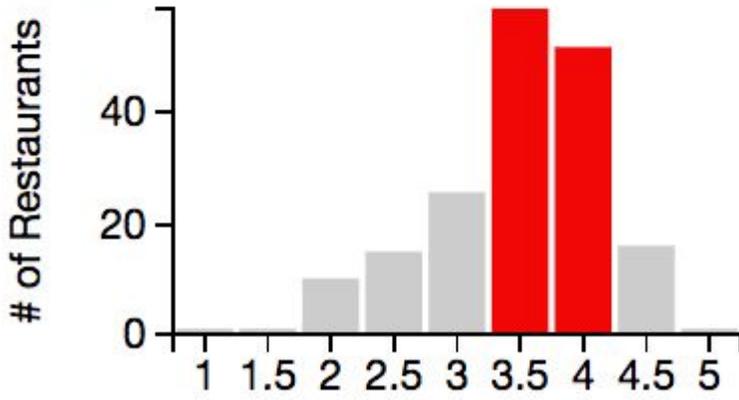
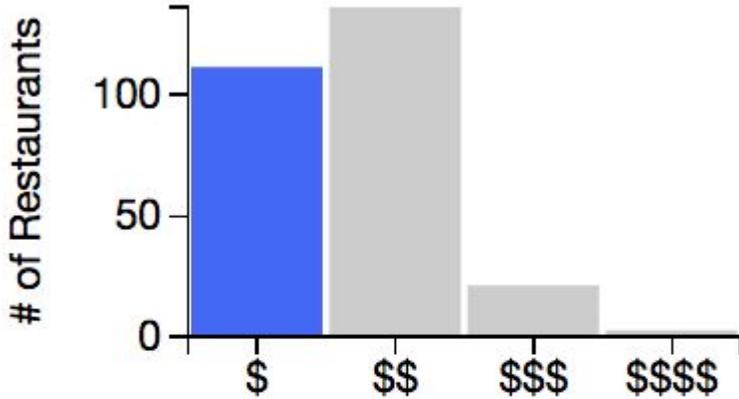


## Categories



# Criteria View

Browse

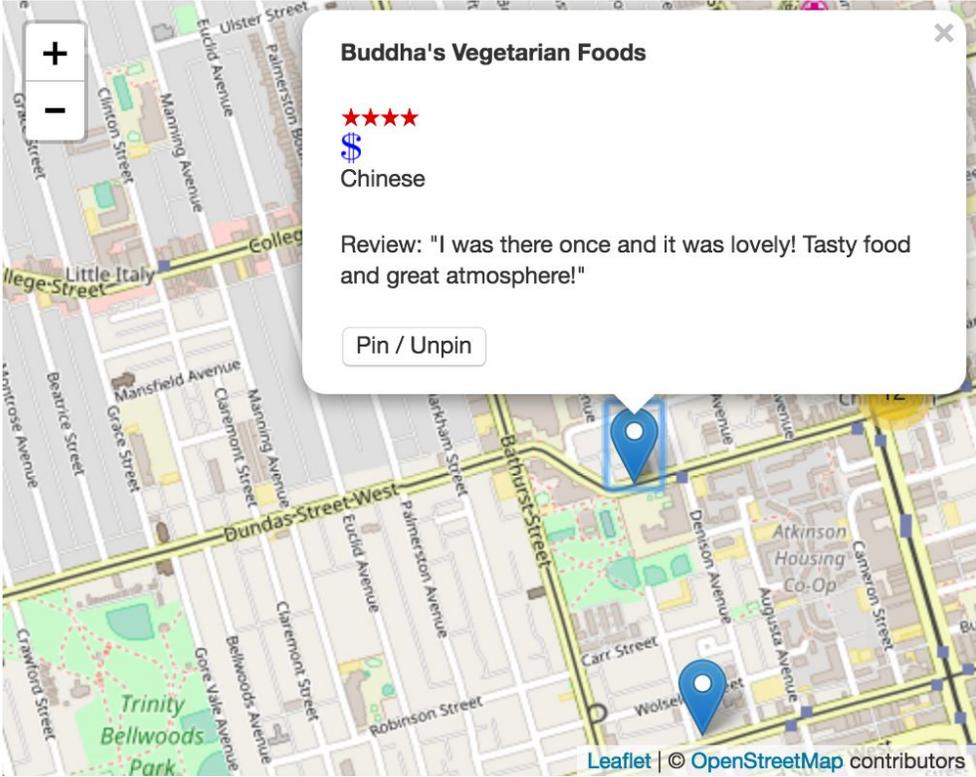
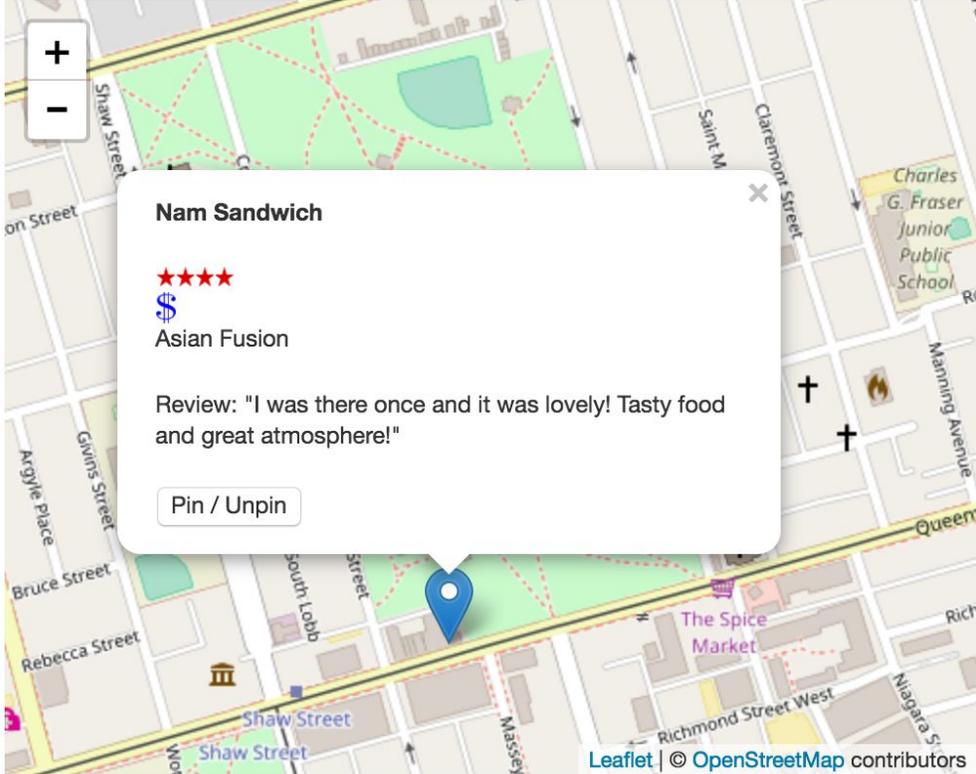


## Categories



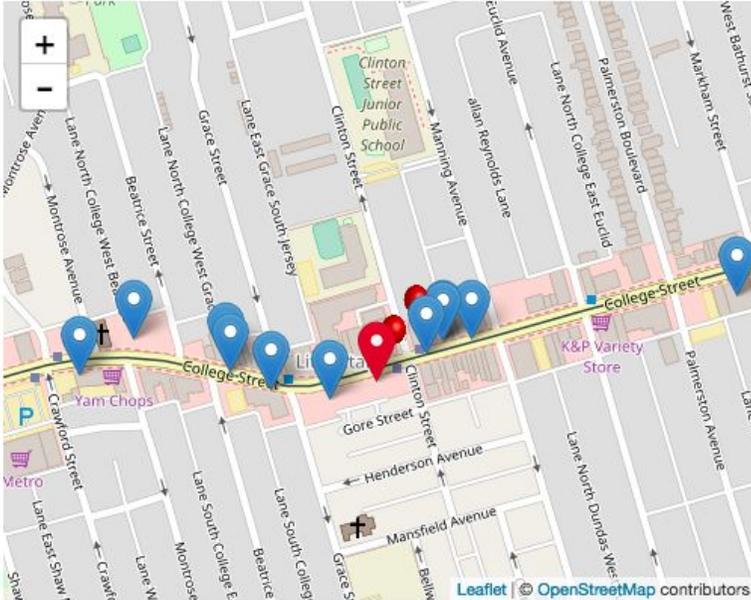
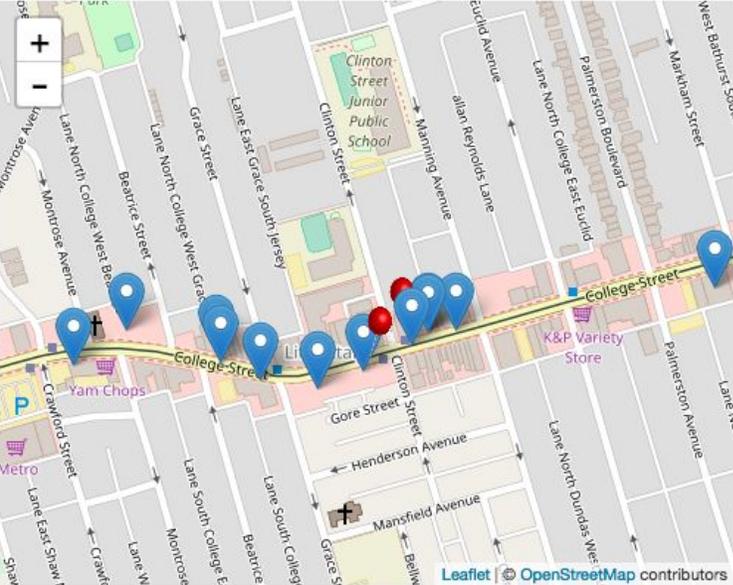
# Map View

## 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** ✕  
★★★★ 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

## 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!'

# 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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