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?
Hard to compare multiple restaurants on different criteria:

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

Overview

Discover
Criteria View

Browse

Categories
- African
- American
- Asian Fusion
- Bakeries
- Barbeque
- Bars & Pubs
- Breakfast/Brunch/Comfort
- British/Irish
- Buffets
- Central European
- Chinese
- Coffee & Tea
- Dessert
- Eastern European
- Fast Food
- French/Belgian
- Gluten-Free
- Halal/Kosher
- Italian
- Japanese/Korean
- Latin American
- Mediterranean
- Middle Eastern
- Sandwiches/Soup
- Seafood
- South Asian
- Southeast Asian
- Vegetarian/Vegan
Map View

Compare geographically
Map View

Compare geographically:
highlight
Compare View

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 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!

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

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