

LetsEat

AI Food Recommendations

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Does this situation sound familiar?



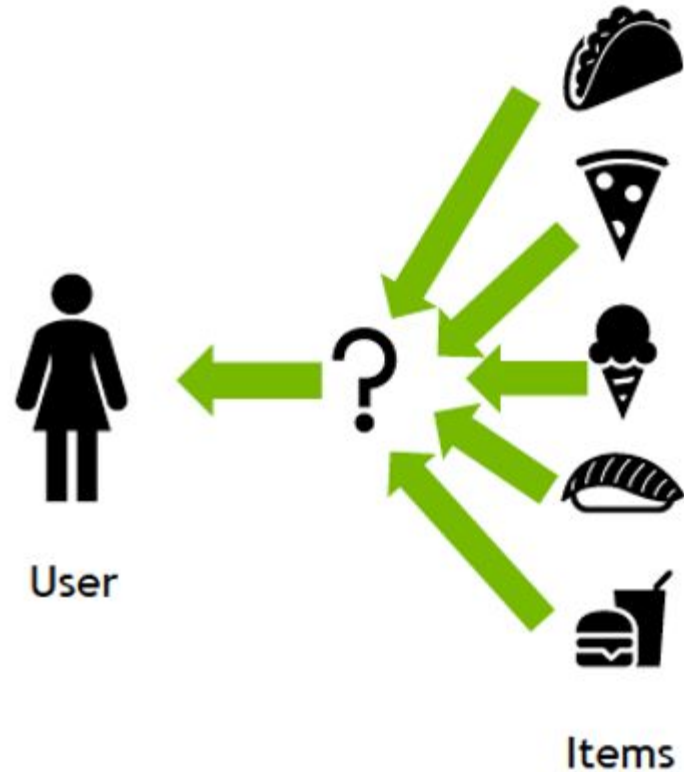
No one can make a decision!

Where are we going to eat?!?!?!?



How are we solving this issue?

Find the **one** restaurant to eat at by answering some questions!



Motivation

Current Products

- 1 search input (initially)
- Lists of results
- Decision made by user

Our Product

- Multiple simple user inputs
- One result outputted
- Algorithmically intelligent decision from computer

493 restaurants match "georgetown" Featured

Restaurants With Bonus Points
More about bonus points

Tabard Inn
★★★★★ Exceptional (2795)
\$\$ - Contemporary American • Dupont Circle
7:15 PM +1,000 pts 7:30 PM +1,000 pts 7:45 PM 8:00 PM

Rewind
★★★★★ Awesome (221)
\$\$ - American • Dupont Circle
7:15 PM* 7:30 PM* 7:45 PM* 9:30 PM* +1,000 pts

Charlie Palmer Steak - DC
★★★★★ Awesome (3215)
\$\$\$ - Steakhouse • Capitol Hill
7:15 PM* 7:30 PM* 7:45 PM* 8:00 PM* +1,000 pts +1,000 pts +1,000 pts +1,000 pts

[See all 6 restaurants with Bonus Points](#)

How are Featured results ranked?

Fogo de Chao - Washington DC
★★★★★ Awesome (4447)
\$\$\$ - Brazilian Steakhouse • Downtown
Booked 94 times today You're in luck! We still have 4 timeslots left
7:15 PM 7:30 PM 7:45 PM 8:15 PM
View dine at home options

Filomena Ristorante
★★★★★ Exceptional (14384)
\$\$\$ - Italian • Georgetown
Booked 229 times today You're in luck! We still have 2 timeslots left
8:30 PM 9:00 PM
View dine at home options

Il Canale
★★★★★ Exceptional (3487)
\$\$ - Italian • Georgetown
Booked 61 times today You're in luck! We still have 4 timeslots left
7:15 PM 7:30 PM 7:45 PM 8:00 PM
View dine at home options

Farmers Fishers Bakers
★★★★★ Awesome (11720)

Instead of scrolling through all the restaurants you could go to, we make the decision for you!

Data Aggregation

Restaurant Data



User Data



User Questioning

Account Creation

- Do you have any food allergies/intolerances?
- Are there any cuisines you prefer to have?
- Are there any cuisines you prefer not to have?

These answers can always be changed at decision time to accommodate the group you are with!!

Everyday Use

- What location would you like to search in?
- How far are you willing to travel?
- What is the price range you are looking for?
- Breakfast? Lunch? Dinner?
- What is the occasion?
- How many people will be joining you?

Log In

Username or Email

Password

Log In

New to LetsEat? [Create Account](#)

Question 1

What's the occasion?

Myself



Friends

Family

Work / Business

Previous

1 of 7

Next

Boqueria 1.3 mi



Spanish Tapas
1837 M St NW

\$\$\$

Try Again

I'm going!

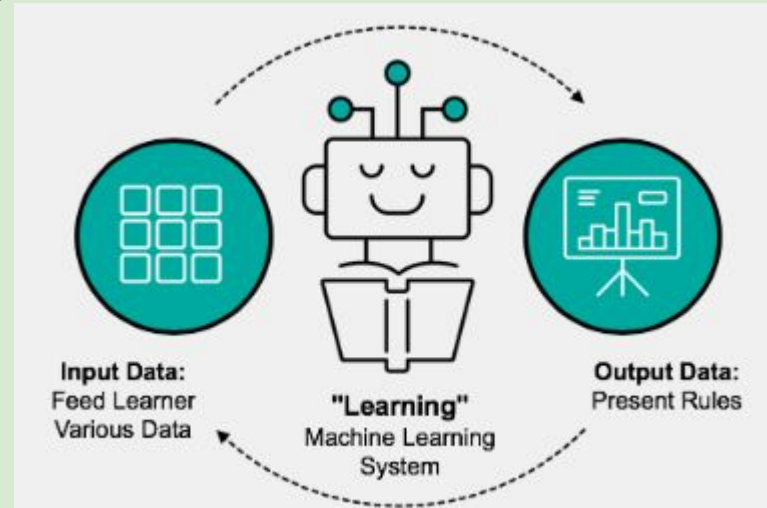
Data Utilization

User Information

- Food preferences
- Dietary restrictions
- Past decisions in the application

ML Model

- Learn based on stored user info
- Use all the data we gather



Data Storage

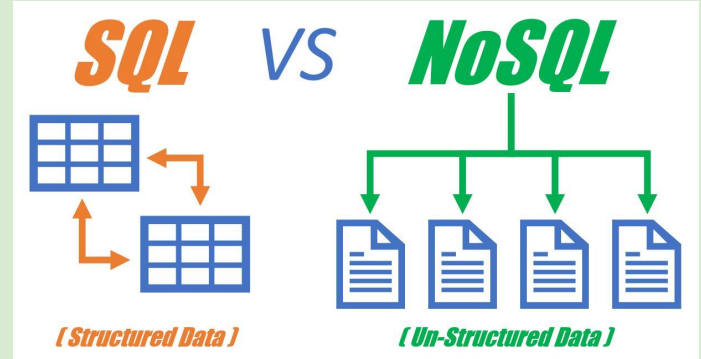
CSV Files

- Easily broken down by ML models
- Very manageable



NoSQL Database

- Will store past user experiences in cloud
- Developers can access remotely



Determining Success

During Use

If user chooses to try again, ask why

After Use

Ask if user did go to restaurant

Survey as to whether this met their preferences

Survey as to whether they enjoyed their experience

Retrain

Apply this information to algorithm

Learn New Frameworks

Create Web Application

Project Goals

Clean User Interface

Good Recommendations



We make the decision, you stay happy!

Questions?