Restaurant

Goals

Client Facing: An app which helps people assess the cleanliness of restaurants via visualizations of the restaurant's inspection history & relevant statistics.

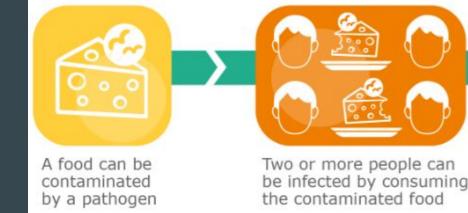
Business Facing: A interpretable model which can be used to understand how different factors contribute to the overall inspection grade so restaurant owners can pass inspections the most efficiently.

Data Source



Information is displayed already in table format which could allow for easy scraping.

Inspections
Potential Impact: Minimize the severity of foodborne outbreaks by informing the customer base of unsafe food practices in restaurants so they can make a better informed decision before eating out.





Dungeons and Dragons

Brainstormed Ideas:

- AI Dungeon Master (diving into LLM territory?).
- Recommender system for best move/turn depending on what your goal is.
- Dice roll probability

 analysis (explore how
 different character stats
 could affect outcomes so
 you min-max your build).

Potential Data Sources:

- https://open5e.com
 A JSON API for the D&D 5e
 game system
- DnD character sheets from Kaggle
- Dice rolls could be simulated using random library
- https://github.com/oganm/dnddata

World of Warcraft has an amazing simulator for your character (Raidbots), but D&D might be too situational.

Run SimulationCraft in the cloud to optimize your World of Warcraft character.



TOP GEAR

Find the best gear and talents for your character



DROPTIMIZER

ind your best drops



OUICK SIM

Run a quick sim to get your DPS and detailed star



DVANCET

Run (almost) any raw SimulationCraft script



Hotel Financial Consultant

<u>Data</u>

- Information from booking websites, frontend and backend.
- Financial data already stored in excel sheets.
- Florence tourism information from Statista.com.

<u>Goals</u>

- Research what contributes most to the success of a Bed and Breakfast.
- Forecast future business.

• Real world practice on a non-technical audience.