

TOP 100 RANKED INDEPENDENT RESTAURANTS VISUALIZED

- TEAM MEMBERS (GROUP 7)

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SYNOPSIS

- **A VISUALIZATION OF THE TOP 100 INDEPENDENT RESTAURANTS IN AMERICA FOR YEAR 2020**
- **A LOOK AT POTENTIAL PLACES TO VISIT**
- **A WAY TO COMPARE TOP RESTAURANTS BY TOTAL SALES, NUMBER OF MEALS SERVED AND THE AVERAGE MEAL PRICE**
- **A VISUAL COMPARISON OF REGIONS OF THE U.S. WITH MORE TOP RESTAURANTS**

SITE DEMO

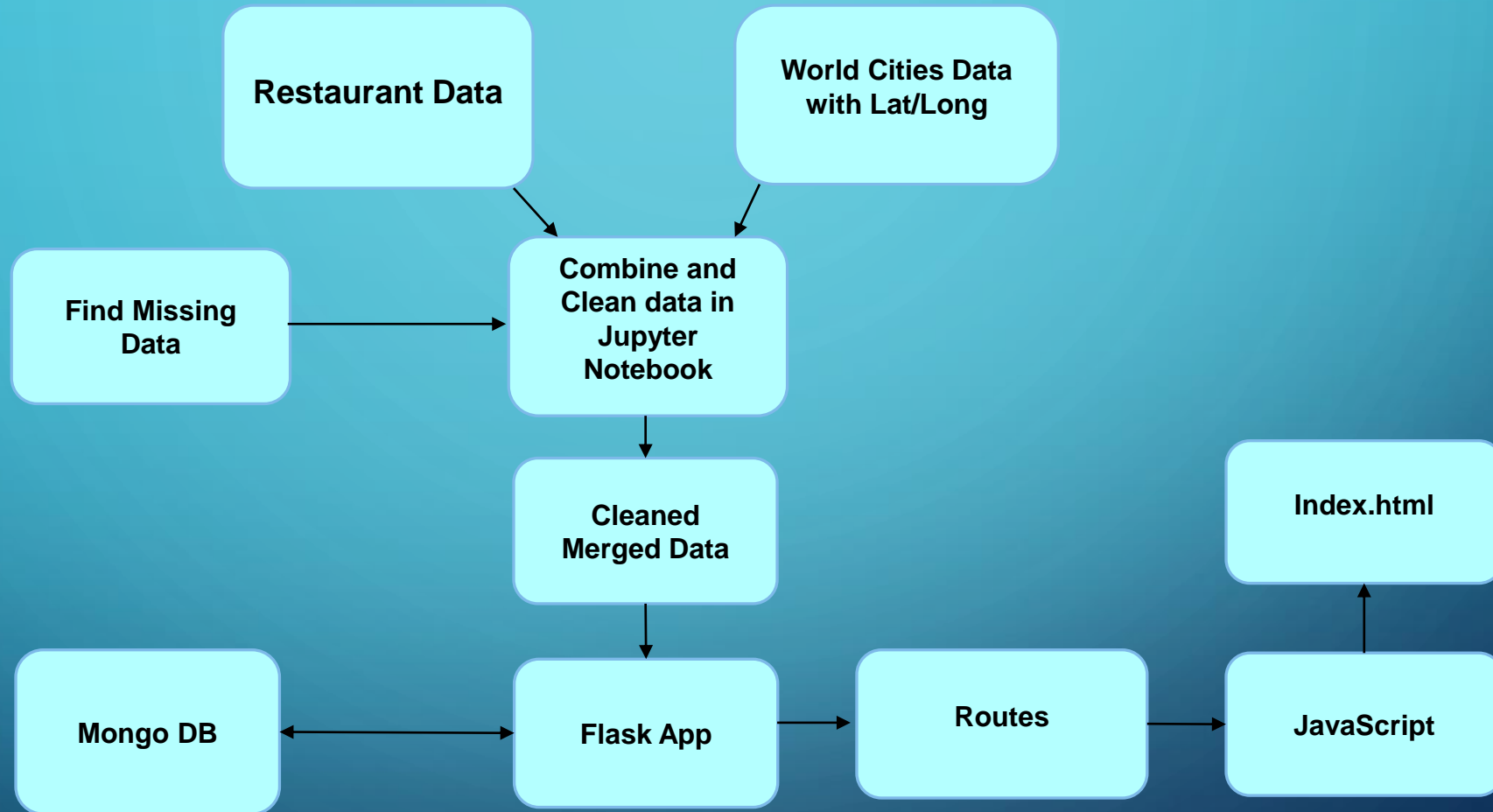


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RESTAURANT DATA

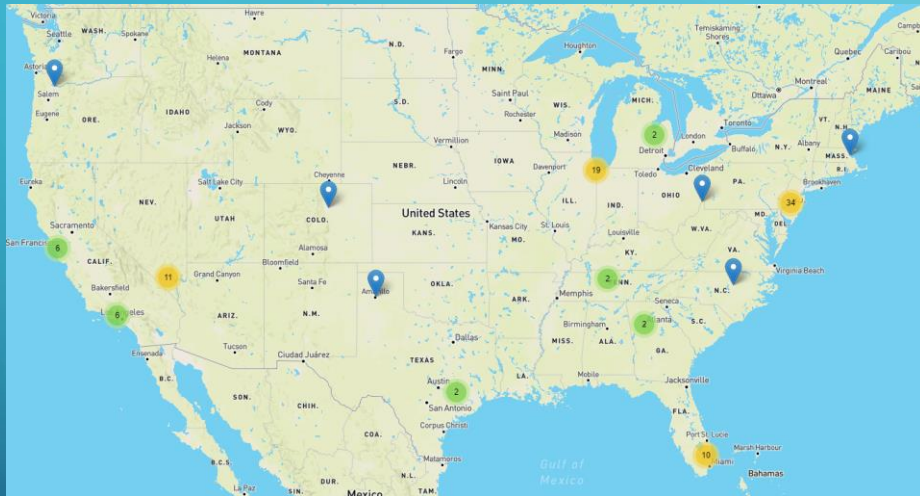
- **Data sets:**
- **Top 100 restaurants ranked**
 - Restaurant name with city, sales, check size and meals served
 - <https://www.kaggle.com/michau96/restaurant-business-rankings-2020?select=Independence100.csv>
- **World cities**
 - Used to pull out latitude and longitude for the cities
 - <https://www.kaggle.com/juanmah/world-cities>
- **The data was combined into one CSV using Pandas to include the latitude and longitude of the location of city of each restaurant.**

WORKFLOW



FUNCTIONS OF THE SITE

- Map – using **Leaflet** and plotting the restaurant locations and showing the rank, average check amount, meals served and sales on the markers

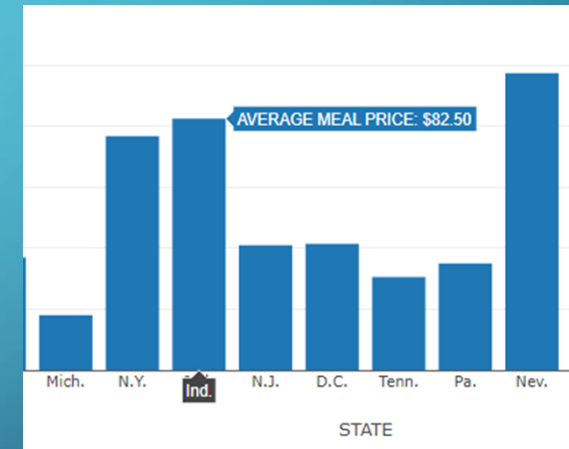
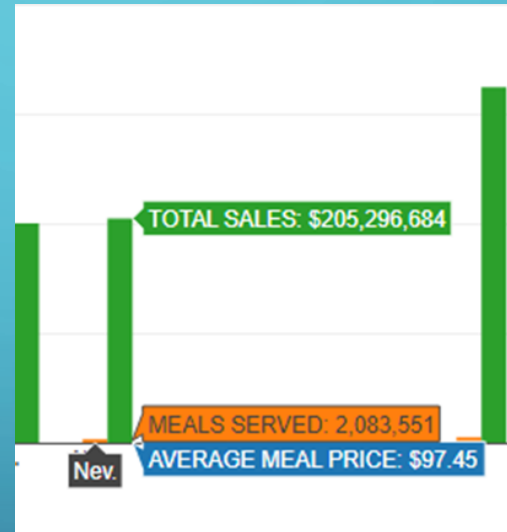
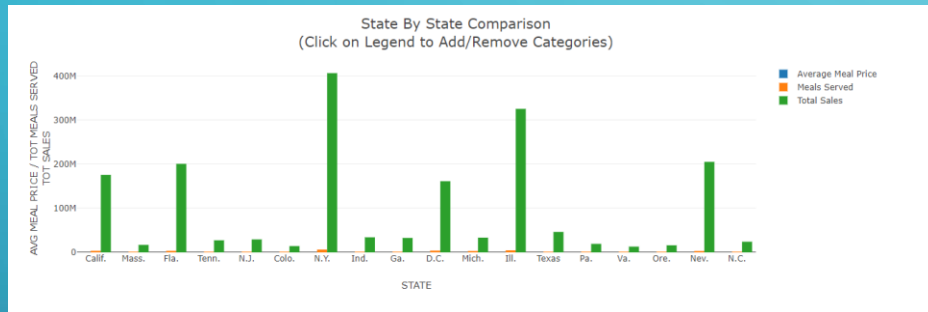


- Challenges/Future Work



FUNCTIONS OF THE SITE

- Bar chart – using **Plotly** to show a state by state comparison of the average meal price, meals served and total sales



- Challenges/Future Work

FUNCTIONS OF THE SITE

- A **Get Location** button utilizing **JavaScript** function to prompt your current location and find the nearest Top Restaurant within a 70-mile area.

Click the button to get your coordinates and find the closest Top 100 Restaurant

Latitude: 41.9737037
Longitude: -88.1193668

The closest location to you is:

RANK	RESTAURANT	CITY	STATE	AVERAGE MEAL
6	Gibsons Bar & Steakhouse	Chicago	ILL.	\$80
8	Maple & Ash	Chicago	ILL.	\$99
16	Joe's Seafood, Prime Steak & Stone Crab	Chicago	ILL.	\$91
18	Gibsons Italia	Chicago	ILL.	\$108
24	RPM Steak	Chicago	ILL.	\$102
41	Shaw's Crab House	Chicago	ILL.	\$72

Click the button to get your coordinates and find the closest Top 100 Restaurant

Latitude: 41.5105024
Longitude: -88.1590272

The closest location to you is:

RANK	RESTAURANT	CITY	STATE	AVERAGE MEAL
NO RESTAURANTS WITHIN 70 MILES				

- **Challenges/Future Work**

FUNCTIONS OF THE SITE

- Bubble chart – Using **Charts.js** library to display average check size by the size of the bubble and showing annual sales and meals served with restaurant info



- Challenges/Future Work

QUESTIONS??

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