

DUE: Day 2 - Monday 10/25/21

- **A brief articulation of your chosen topic and rationale**

Our site will allow users to explore the Michelin Restaurants available in our 2019 data set. The site will display location information for the restaurants in an interactive Leaflet map interface. Each restaurant pin will display an image of the restaurant gathered by scraping the <https://guide.michelin.com> site.

Data with the restaurant cuisine will be available in an interactive, axis-independent bubble chart that can be filtered by region.

- Bubble size by number of restaurants
- Bubble color by cuisine type

A heat map/scatter plot showing correlation of number of michelin stars and prices (in number of \$) filtered by region/ cuisine or both.

Our goal with the website is to provide relevant information to visitors with an interest in choosing among the finest cuisine in the world. Location, price, number of Michelin stars and the type of cuisine are important considerations when making this choice.

Requirements:

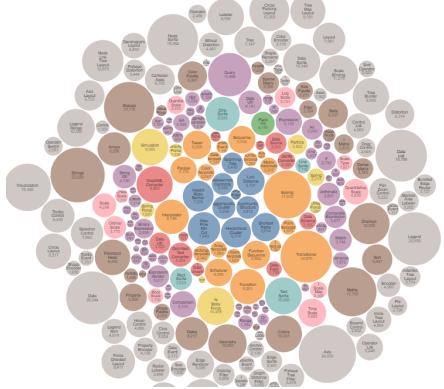
1. Website will include Flask-powered API, HTML/CSS, Javascript and SQL database
2. Dashboard with three charts for:
 - a. Heat map of price to Michelin star ratio, with filter option
 - b. Bubble chart of cuisine types, with filter option
 - c. Leaflet map of restaurants with images and summary information
3. An additional JS library: fullPage.js
4. A dataset of at least 500 restaurants
5. Dropdown user input
6. Views of restaurants by price, cuisine, location

- **A link to your data set(s) and a screenshot of the metadata if it exists.**

<https://www.kaggle.com/jackywang529/michelin-restaurants>

- **3 or 4 screenshots of relevant, “inspiring” visualizations that frame your creative fodder**

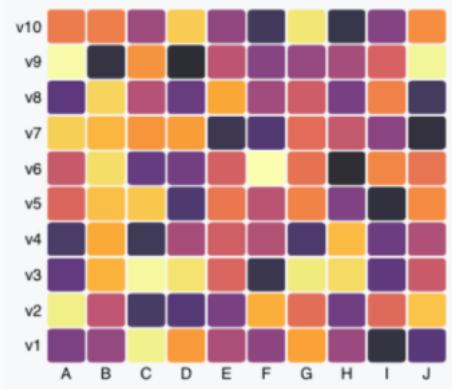
Bubble Chart Example



Heat Map Example

A d3.js heatmap

A short description of the take-away message of this chart.

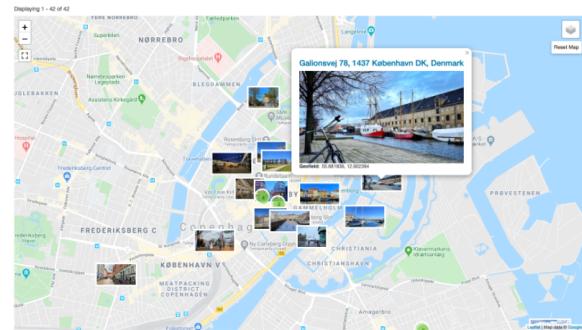


Scraped Image Example



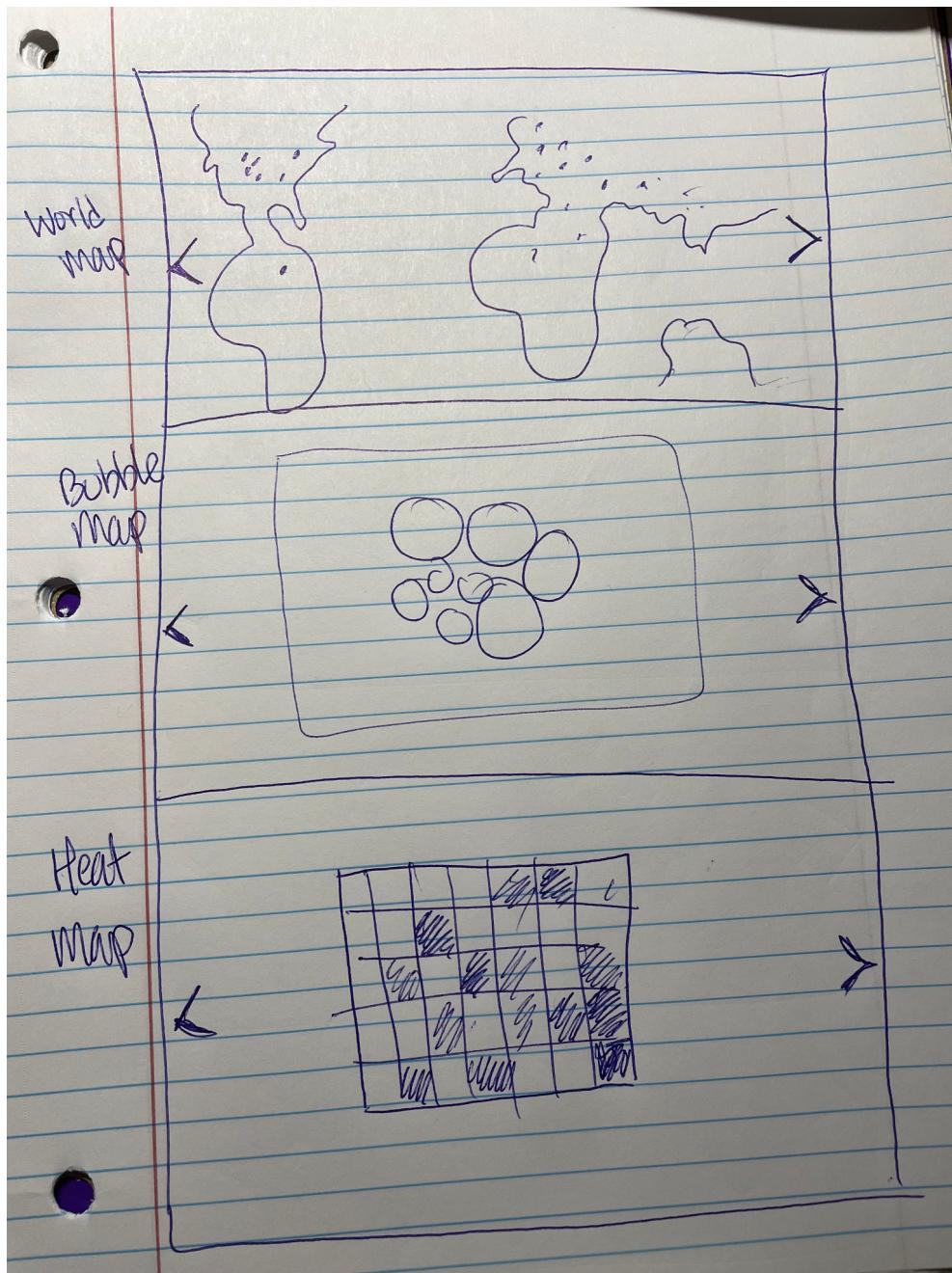
Map Example

GeoPlaces



- A sketch of the final design

- The 3 sections refer to 3 separate page views once we use fullPage.js



- A link to the primary GitHub repository you'll be housing your work in

<https://github.com/sabyasachi31/Project-2.git>