Business Course Project Introduction

METIS Project III
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Abstract

For connoisseurs out there, most people would have heard of the word Michelin for high end restaurants. This project started with a mere curiosity to explore an extensive list of worldwide Michelin restaurants.
The goal of this project is to provide a data science approach to come up with a model that can create a model to better target restaurants suitable to earn Michelin stars during the pandemic. This business proposal specifically explores the distribution of types of cuisines selected by Michelin to potentially suggest cuisines that need to be more introduced.

Data

The data comes from the website Kaggle. The original dataset has 1000+ observations and is divided into three sections: One-star, Two-star, and Three-star Michelin restaurants.
The data was cleaned through Google Sheets.

Design

This business proposal is targeted to the Michelin group to help them with their scoping of choosing restaurants. Tableau dashboard was used to mainly present visualization to show world-wide distribution of cuisine and restaurants.

Data Science Solution:
- Diversify and Introduce more type of cuisines around the world for people to explore
- Identify which Regions are populated with Michelin restaurants, and by what type of Cuisine
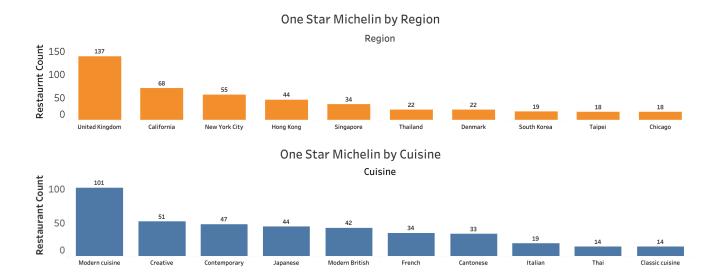
Impact Hypothesis:
- Save Michelin time by narrowing down restaurants without having to visit every restaurants during the pandemic
- Provide connoisseurs with more diverse options to choose from
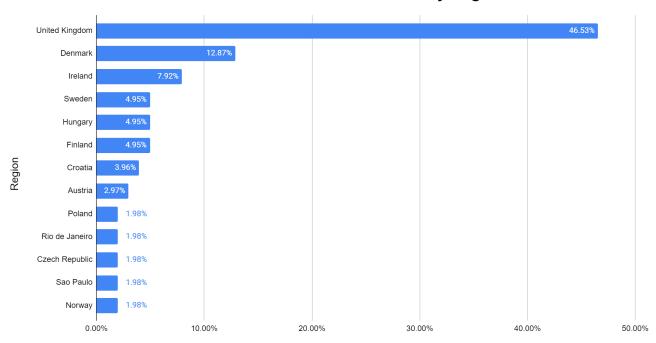
Algorithms/Tools

Google Sheets/Tableau were used to clean,explore and visualize the Michelin dataset for this project

Communication

Most of the visualizations were presented through Tableau with accompanying powerpoint presentation to the METIS cohort.

One Star Michelin by Region

Region

Region	Restaurant Count
United Kingdom	137
California	68
New York City	55
Hong Kong	44
Singapore	34
Thailand	22
Denmark	22
South Korea	19
Taipei	18
Chicago	18

One Star Michelin by Cuisine

Cuisine

Cuisine	Restaurant Count
Modern cuisine	101
Creative	51
Contemporary	47
Japanese	44
Modern British	42
French	34
Cantonese	33
Italian	19
Thai	14
Classic cuisine	14

One Star Modern Cuisine Distribution by Region

Region	Percentage of Modern Cuisine
United Kingdom	46.53%
Denmark	12.87%
Ireland	7.92%
Sweden	4.95%
Hungary	4.95%
Finland	4.95%
Croatia	3.96%
Austria	2.97%
Poland	1.98%
Rio de Janeiro	1.98%
Czech Republic	1.98%
Sao Paulo	1.98%
Norway	1.98%