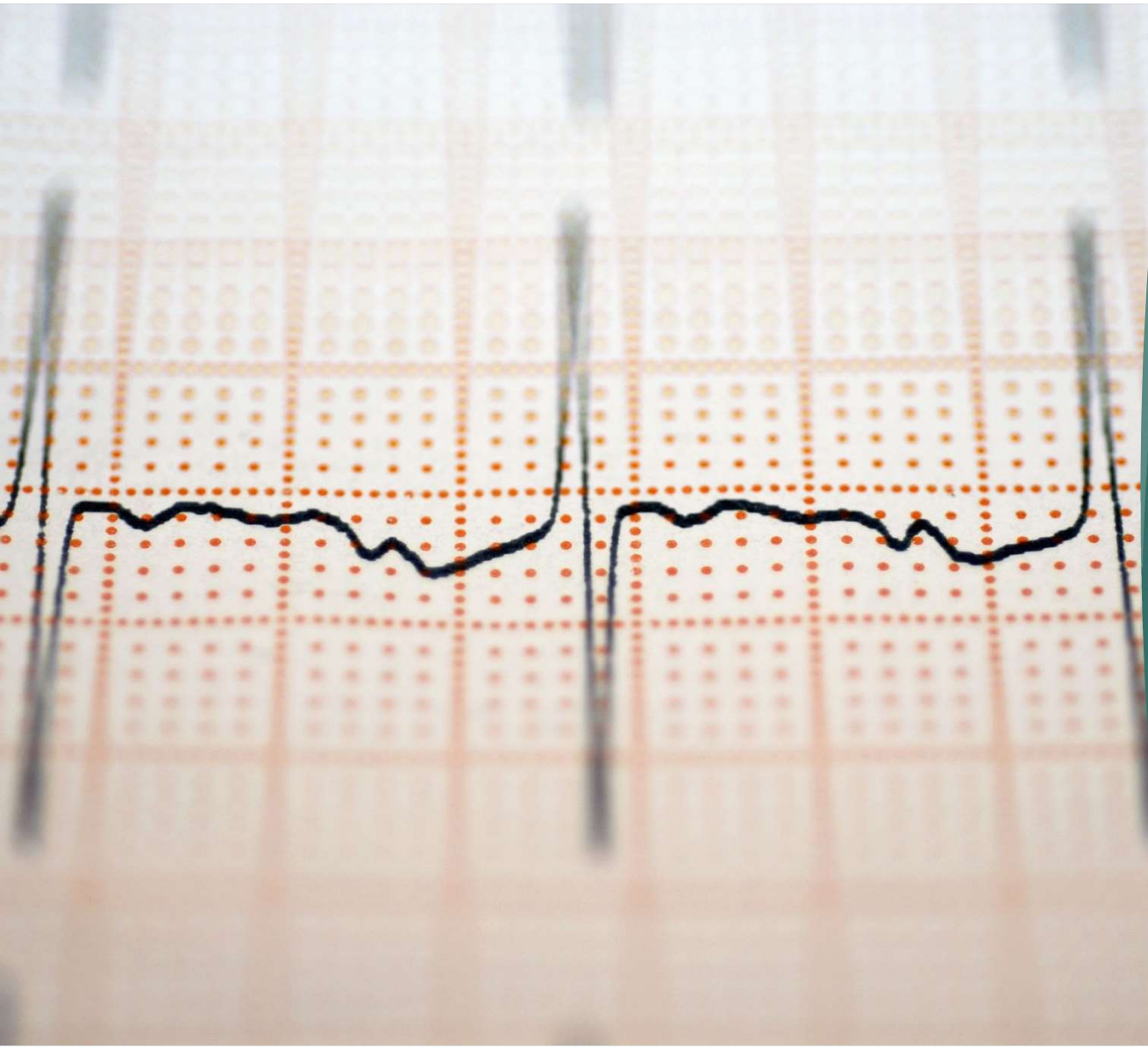
10. Heart Disease Diagnostic Analysis

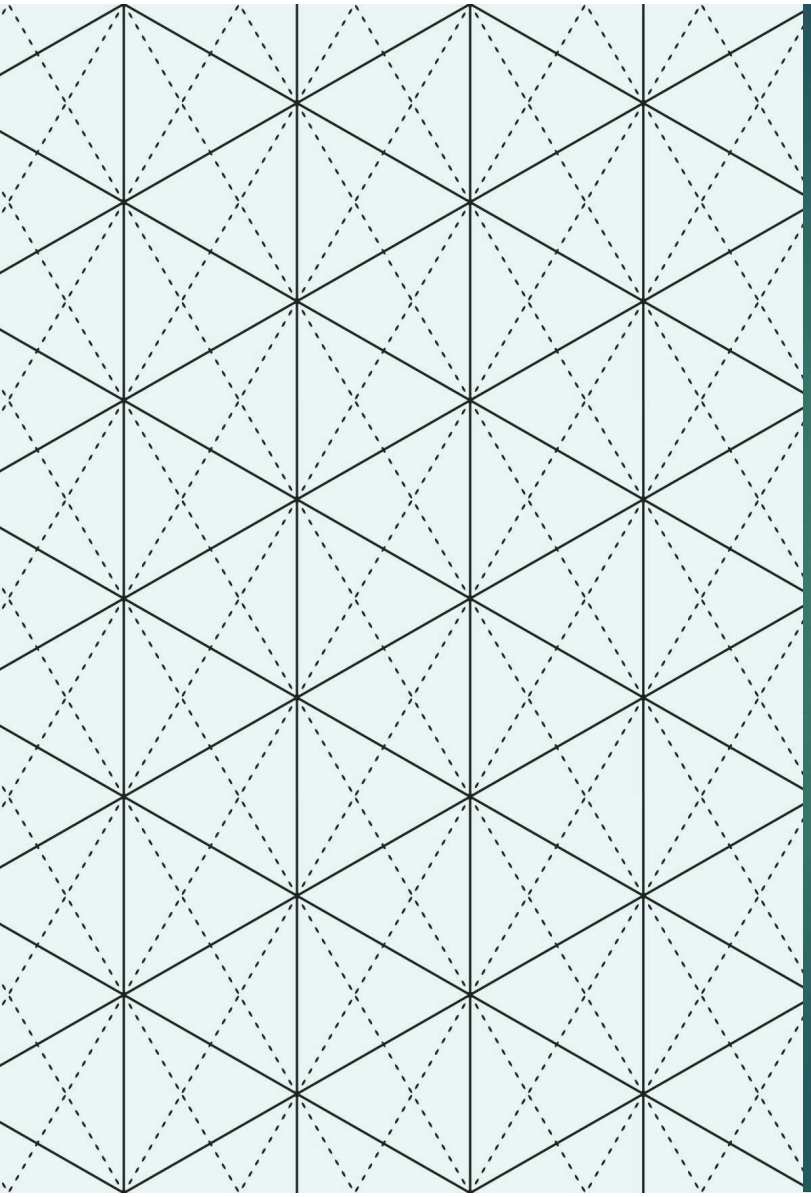
15. Analysing Swiggy-Bengaluru Outlet

- P. Kathyayini

Internship Id: CRIN2302045



1. Heart Disease Diagnostic Analysis



Introduction

- Currently, heart disease remains a global health challenge
- Diagnosis often relies on traditional methods, including subjective assessments and limited data

Challenges:

1) Limited diagnostic accuracy
2) Potential for misdiagnosis and delayed treatment
3) Lack of comprehensive data analysis in real time

Opportunity:

1) Leveraging advanced technologies to enhance heart disease diagnosis
2) Data analytics, machine learning, and visualisation as game-changers

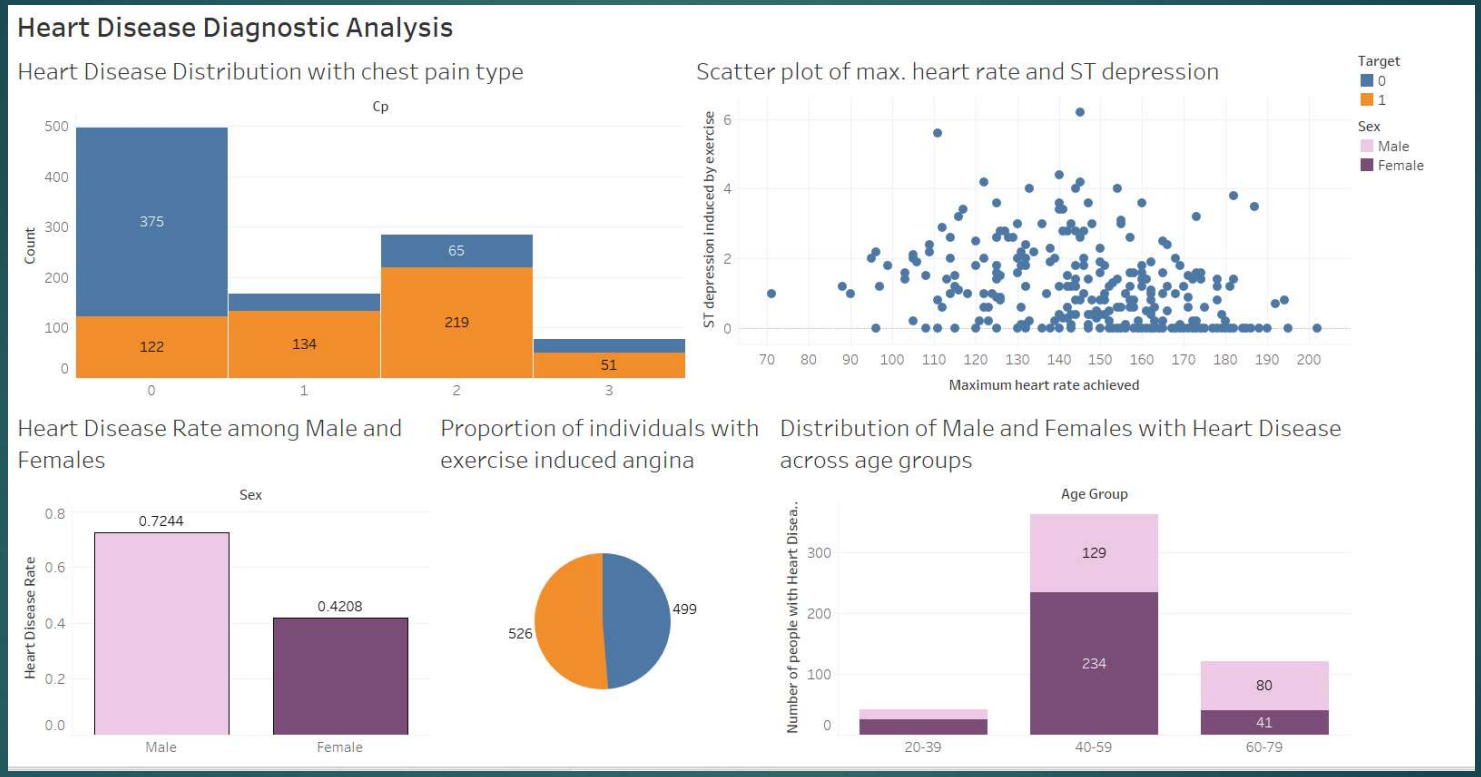
Details of Data

- Age
- Sex
- Chest pain type (4 values)
- Resting blood pressure
- Serum cholestoral in mg/dl
- Fasting blood sugar > 120 mg/dl
- Resting electrocardiographic results (values 0,1,2)
- Maximum heart rate achieved
- Exercise induced angina
- Oldpeak = ST depression induced by exercise relative to rest
- The slope of the peak exercise ST segment
- Number of major vessels (0-3) colored by flourosopy
- Thal: 0 = normal; 1 = fixed defect; 2 = reversable defect

Main KPIs

- Age
- Sex
- Chest pain type (4 values)
- Thal: 0 = normal; 1 = fixed defect; 2 = reversable defect
- Target

Tableau Dashboard



Links to Python code and Tableau Dashboard

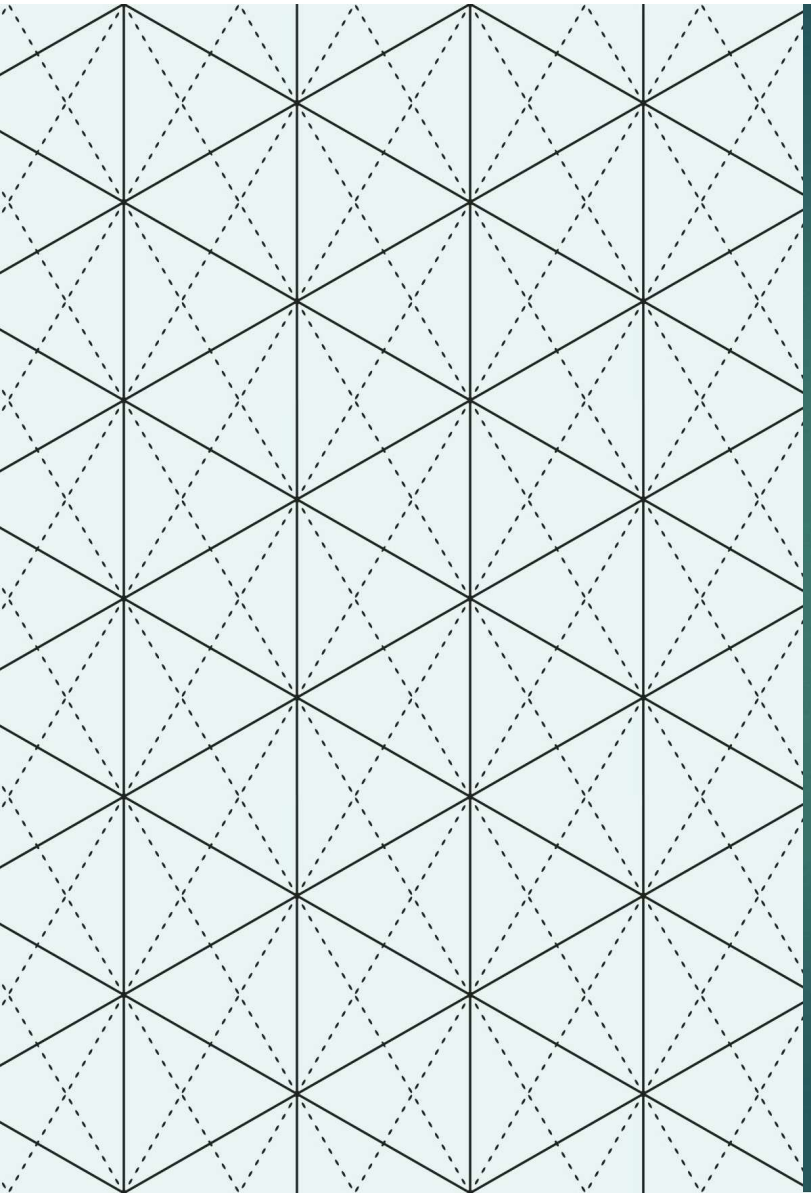
1) Python Code

https://colab.research.google.com/drive/11KRGpGjlVEzNR7XACF8yNhTi_H4XGOHW?usp=sharing

2) Tableau Dashboard-

Heart_disease_analysis | Tableau Public

2. Analysing Swiggy Bangalore Outlet



Introduction

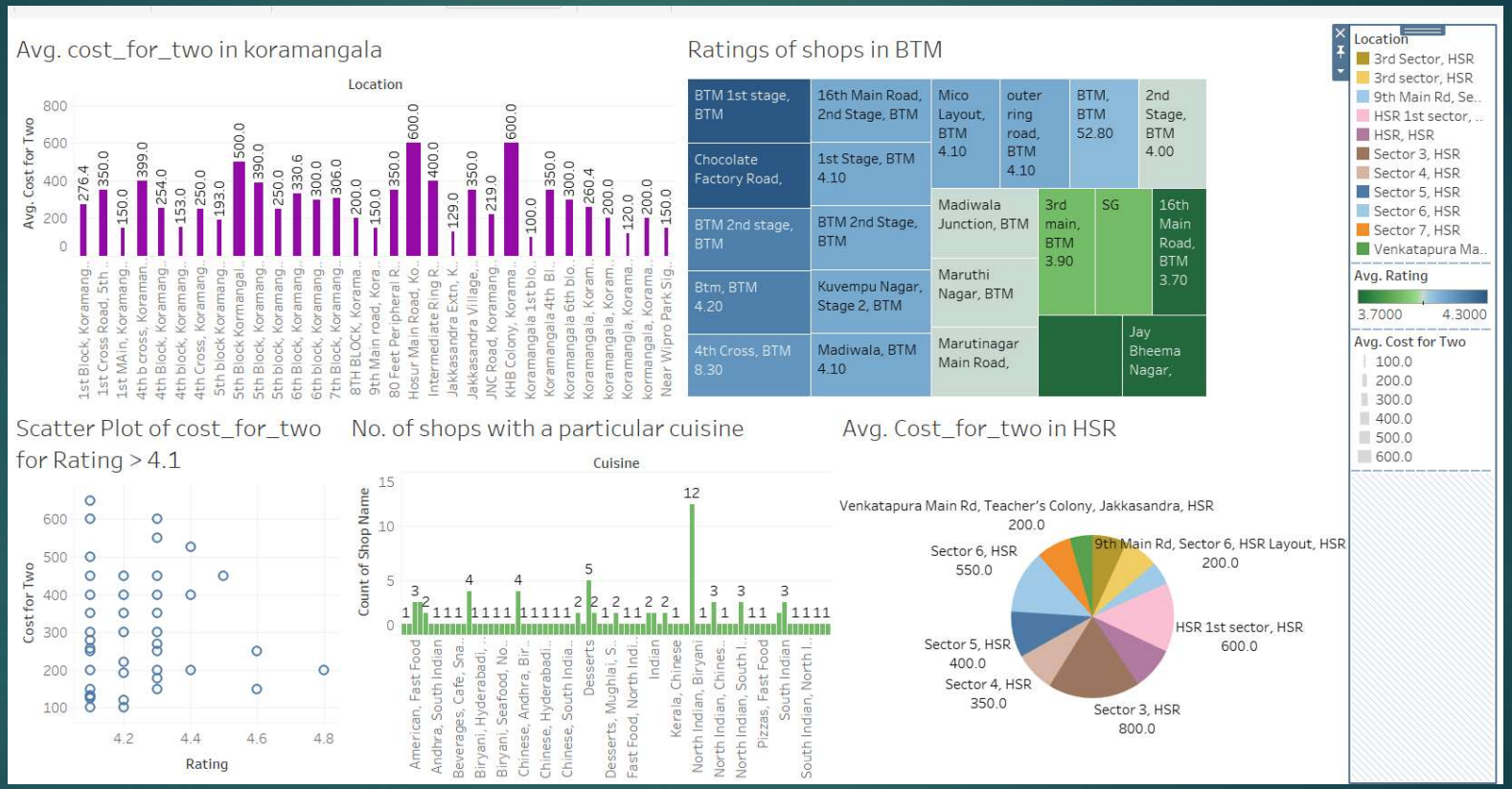
- **Objective:** Extract actionable insights from Swiggy data to enhance business operations and customer satisfaction.
- **Background:** Swiggy is a leading food delivery platform, and analyzing its data can provide valuable information for optimizing various aspects of the business.
- **Scope:** This data science project aims to explore customer behavior, delivery patterns, and restaurant performance to make data-driven decisions.
- **Key Components:**
  - Data Collection: Gathering data from Swiggy's platform and partners.
  - Data Analysis: Exploratory Data Analysis (EDA) to uncover trends and patterns.

Business Impact: Leveraging insights to enhance customer experience, streamline operations, and improve profitability.

Details of Data

- Shop Name – Name of the restaurant/hotel
- Cuisine – Name of the cuisione available in that restaurant
- Location – Address of the shop/restaurant/hotel
- Cost_for_two – Average cost to be paid by the customers eating food from that hotel
- Rating – Rating of the hotel/restaurant

Tableau Dashboard



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Thank you