Team ID: LTVIP2025TMID48115

Project Name: Comprehensive Analysis and Dietary Strategies with Tableau - A College Food Choices Case Study

Maximum Marks:

Ideation Phase

Problem Identification
Many college students follow varying dietary preferences - including vegetarian, vegan, pescatarian, and mixed diets - but limited insights are available on how these choices affect health patterns. Some students exhibit extreme trends such as obsessive eating behaviors or underweight issues. This project aimed to visualize these patterns and provide actionable recommendations to improve college dietary planning.

Goal
To explore and visualize college students' food preferences and health-related behavior using Tableau, and provide a data-driven foundation for dietary interventions.

Research Objectives
- Decode and clean raw survey data for accurate analysis.
- Identify common food choices by student groups.
- Compare dietary preferences with health perceptions (e.g., underweight, normal, obsessed).
- Provide insights to support campus meal planning and health awareness.

Outcome Expectations
- A clean dataset suitable for dashboarding.
- Interactive Tableau dashboards with embedded storylines.
- A lightweight web interface (via Flask) to showcase results (optional).
- Insightful conclusions on student eating habits and possible recommendations.

food_coded.csv

- survey_data_raw.csv

decoded_food_ch
oices.xlsx

- cleaned_food_data.csv

template1.png

- dashboard_background.png