Requirement Analysis

Team ID: LTVIP2025TMID48115

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

Maximum Marks:[ ]

Functional Requirements

- Import and clean survey data using Python.
- Decode coded responses using a codebook.
- Visualize food types, health perceptions, and fruit choices in Tableau.
- Filter by gender, age, or department.

Non-Functional Requirements

- Interactive, user-friendly Tableau interface.
- Fast dashboard loading time.
- Responsive design if deployed with Flask.

Software Requirements

- Python 3.x, Pandas
- Tableau Public
- Flask
- Excel/CSV files

Hardware Requirements

- PC/Laptop with at least 8 GB RAM
- Tableau-compatible browser (Chrome/Edge)
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