

# PROJECT REPORT

**TEAM ID: LTVIP2025TMID49029**

**TITLE: Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study**

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## 1. INTRODUCTION

### 1.1 Project Overview

As a college health and wellness administrator, my mission is to proactively support the nutritional well-being of students. However, our current understanding of student dietary behaviours is hindered by fragmented, static, or siloed data. Without timely, actionable insights, our ability to address nutritional deficiencies and trends in real-time is limited - leaving us in a largely reactive position.

### 1.2 Purpose

The primary purpose of this project is to develop an interactive, data-driven platform using Tableau that enables college wellness administrators to:

- Understand and track student eating behaviours in real-time.
- Identify nutritional deficiencies and food trends across the student population.
- Enhance collaboration between health services and dining operations.
- Support evidence-based wellness programs and menu improvements that promote healthier eating on campus.

## 2. IDEATION PHASE

### 2.1 Problem Statement

**I am** a college health and wellness administrator

**I'm trying to** understand and improve the dietary and nutritional habits of students **But I** lack real-time, visual insights into eating behaviors, health trends, and deficiencies

**Because** the data is scattered, static, or underutilized for strategic wellness interventions

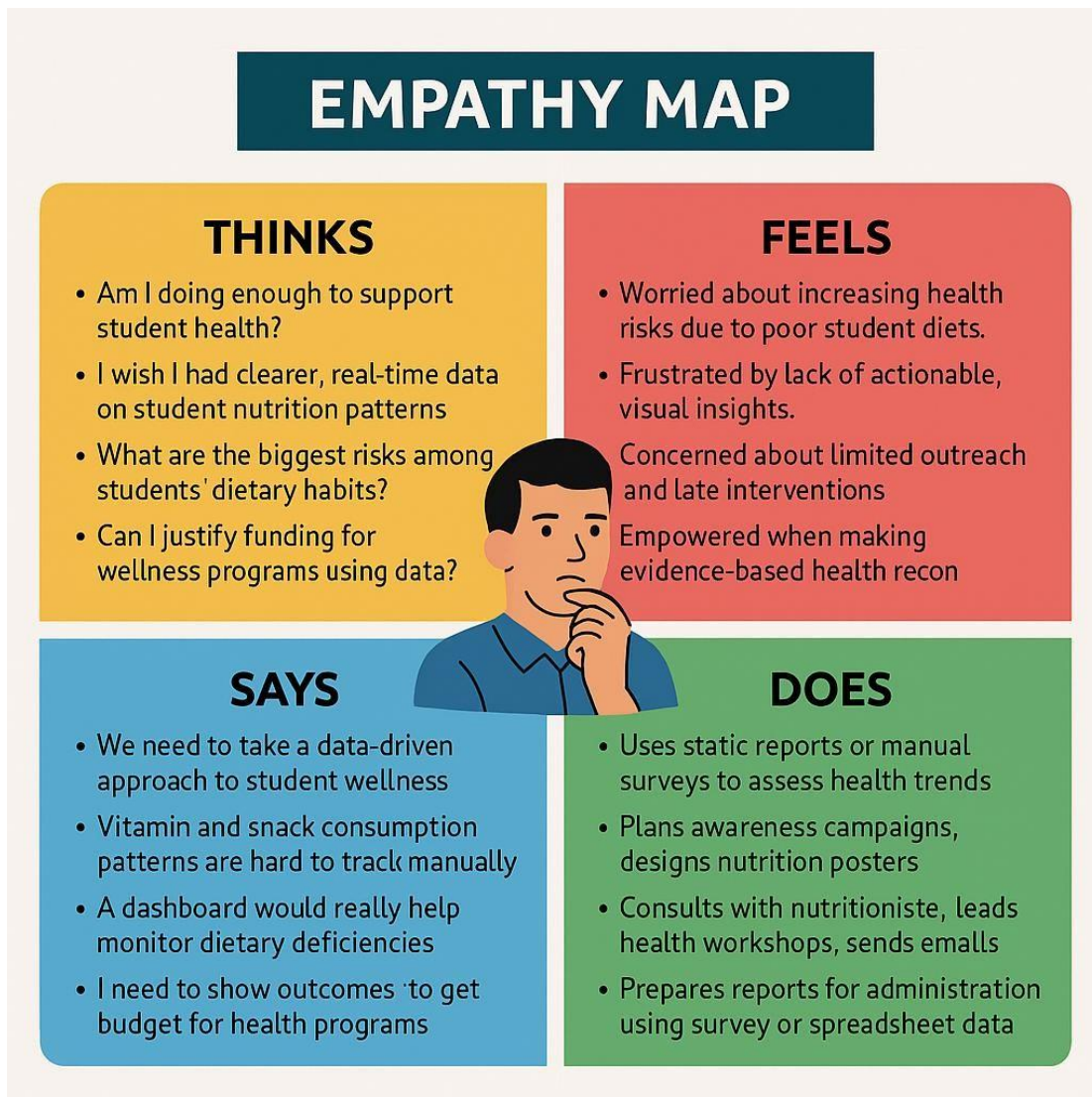
**Which makes me feel** reactive and under-equipped to support student health proactively.

**PS-1:** I am a student affairs officer who wants to monitor student nutrition habits to prevent health issues, but I don't have access to interactive tools that give real-time data on students' dietary trends.

**PS-2:** I am a university nutritionist trying to detect deficiencies in students' diets, but it's difficult to pinpoint problem areas without an integrated platform that shows snack overconsumption, vitamin neglect, and health perception metrics.

**PS-3:** I am a wellness strategist aiming to develop personalized health plans for students, but predictive analytics tools are not in place to proactively identify high- risk individuals and suggest tailored interventions.

## 2.2 Empathy Map



## 2.3 Brainstorming

Grouping Category	Ideas Generated
<b>Nutritional Monitoring</b>	Track fruit and vegetable intake trends by gender, age, and exercise frequency
<b>Deficiency Detection</b>	Identify vitamin intake gaps and high snack consumption patterns
<b>Predictive Health Insights</b>	Classify students into nutrition risk groups (High, Moderate, Low)
<b>Visualization Tools</b>	Use bar charts, scatter plots, heatmaps, and KPI cards in Tableau
<b>Real-Time Alerts</b>	Trigger alerts for low fruit/veggie intake or high snack calorie counts

<b>Personalized Plans</b>	Suggest meal plans and health guidance based on risk classification
<b>Awareness Campaigns</b>	Develop education initiatives based on dietary trends found in dashboards

Priority Level	Idea
High	Build Tableau dashboards for real-time intake monitoring
High	Classify students by risk using fruit and exercise data
Medium	Visualize snack consumption vs. health perception
Medium	Track vitamin intake by demographic
Low	Link Tableau to live cafeteria menu data (future implementation)
Low	Integrate AI-based meal suggestions (post MVP phase)

### 3.REQUIREMENT ANALYSIS

#### 3.1 Customer Journey Map

CUSTOMER JOURNEY MAP				
AWARENESS	CONSIDERATION	DECISION	ACTION	POST-ACTION
<b>Customer Goal</b>	Explore tools to visualize and track student nutrition patterns	Choose a data visualization platform to monitor and improve dietary trends	Implement visual dashboards and monitor student data	Evaluate impact, adjust strategies, and plan next interventions
<b>Touchpoints</b>	Research on tools (e.g. Tableau, workshops, health committee meetings)	Tableau trials, case studies, peer recommendations	Tableau dashboards, KPI alerts, student reports	Follow-up dashboards, wellness program feedback
<b>Experience</b>	Curious but overwhelmed by data complexity	Confident in Tableau's inferential dashboard capabilities	Empowered to make decisions based on trends and alerts	Reflects on dashboard insights and makes recommendations for next semester
<b>Pain Points</b>	No integrated system for diet tracking	Budget limitations, training needs for Tableau	Time consuming data cleaning, interpreting visualizations	Difficulty measuring long-term change
<b>Opportunities</b>	Educate stakeholders about dietary data value	Show past success stories and predicted impact	Automate data updates, scheduled alerts	Expand dashboards with advanced analytics and student-level personalization

### 3.2 Solution Requirements

#### Functional Requirements:

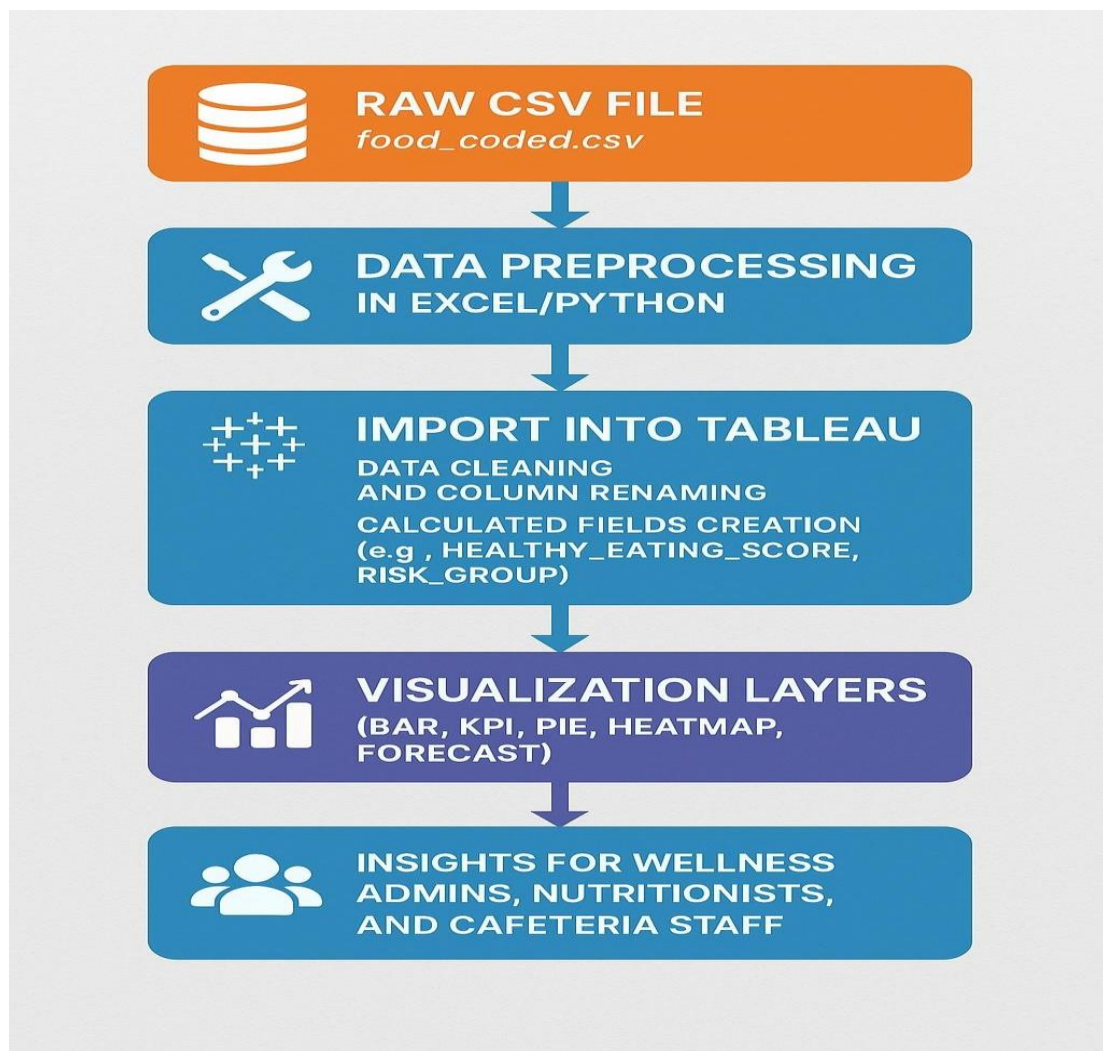
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Visualization	Generate Pie Chart Generate Donut Chart Generate Area Chart Generate Word Cloud
FR-4	Data Filtering and Sorting	Filter by Date Range Sort by Total Sales Filter by Branch or Product Line

#### Non-Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a user-friendly and intuitive interface.
NFR-2	Security	Secure login and user data encryption should be implemented.
NFR-3	Reliability	The system should perform consistently under expected loads without failure.
NFR-4	Performance	Visualizations should load within 3 seconds on average.
NFR-5	Availability	The system should be accessible 24/7 with minimum downtime.
NFR-6	Scalability	Should be scalable to handle large datasets or more branches in the future.



### 3.3 Data Flow Diagram



### 3.4 Technology Stack

#### Data Layer

Component	Description
Dataset	food_coded.csv – structured CSV dataset capturing dietary and health info
Storage Format	Flat file (CSV) loaded locally for analysis
Tools Used	Excel, Python (for cleaning & preprocessing if needed)

#### Data Processing Layer

Tool/Technology	Purpose

<b>Python (Pandas)</b>	<b>Optional preprocessing: data cleaning, null handling, formatting</b>
<b>Excel</b>	<b>Initial cleaning or quick field review before importing to Tableau</b>

### Visualization & Analytics Layer

<b>Tool/Technology</b>	<b>Purpose</b>
<b>Tableau</b>	<b>Main tool for interactive data visualization and dashboard creation</b>
<b>Tableau Features</b>	<b>KPI cards, Bar Charts, Pie Charts, Heatmaps, Highlight Tables, Forecasts</b>
<b>Calculated Fields</b>	<b>Used for: risk group classification, healthy eating score, snack level</b>

### User Interaction Layer

<b>Feature</b>	<b>Role</b>
<b>Interactive Dashboards</b>	<b>Users can filter data by gender, risk, and exercise levels</b>
<b>Parameter Controls</b>	<b>Customize target values (e.g., fruit intake threshold)</b>

<b>Feature</b>	<b>Role</b>
<b>Alerts &amp; KPIs</b>	<b>Instant insight into nutrition deficiencies and trends</b>
<b>User Roles</b>	<b>Admin, Nutritionist, Cafeteria Staff – each interacts with filtered views</b>

### Security & Sharing

<b>Feature</b>	<b>Notes</b>
<b>Tableau Public</b>	<b>Public dashboards (for non-sensitive data)</b>
<b>Tableau Server</b>	<b>Optional upgrade for secured, role-based access</b>
<b>Export Options</b>	<b>PDF reports, public link sharing, dashboard embedding</b>

## 4. PROJECT DESIGN

### 4.1 Problem Solution Fit

Define CS, fit into	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> College students and young working professionals aged 18–30 who are health-conscious but have poor diet routines due to lack of time, awareness, or planning tools.	<b>6. CUSTOMER</b> <span>CC</span> Low attention span or time Limited money for professional nutritionists No access to real-time food feedback Device limitations (some don't use laptops, only mobile) Overwhelmed by technical terms	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> Mobile health apps (MyFitnessPal, HealthifyMe) YouTube diets / Instagram influencers:	Explore AS.
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> Want to eat healthy but don't know how to start. Don't have time to plan meals or analyze food choices. Struggle to track nutrients or calories effectively. Feel overwhelmed by too much inconsistent advice online. Want to avoid lifestyle diseases but have no support system.	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> Most customers lack structured, visual, and reliable food habit tracking tools tailored to their age/lifestyle. School and college curriculums often don't include practical nutrition education, leading to ignorance. They want to change, but the complexity of diet science makes it hard to start or stay consistent.	<b>7. BEHAVIOUR</b> <span>BE</span> Watch diet tips online Download free meal planners Try calorie counting apps Browse Google for quick-fix diets Sometimes buy health food impulsively	
Identify strong TR & EM	<b>3. TRIGGERS</b> <span>TR</span> Weight gain or health issues (e.g., acne, fatigue). Social media influence (seeing fitness transformations). Doctor advice to follow a better diet.	<b>10. YOUR SOLUTION</b> <span>SL</span> Analyzes historical food choice data Provides personalized food insights by gender, age, lifestyle Visualizes dietary patterns and gaps Suggests realistic meal changes	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> <b>8.1 ONLINE</b> Follow diet influencers on Instagram or YouTube <b>8.2 OFFLINE</b> Talk to gym instructors or peers Try following roommates' diets	Extract online & offline CH of BE
	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> Confused, guilty, overwhelmed, procrastinating Empowered, in control, health-aware, optimistic			

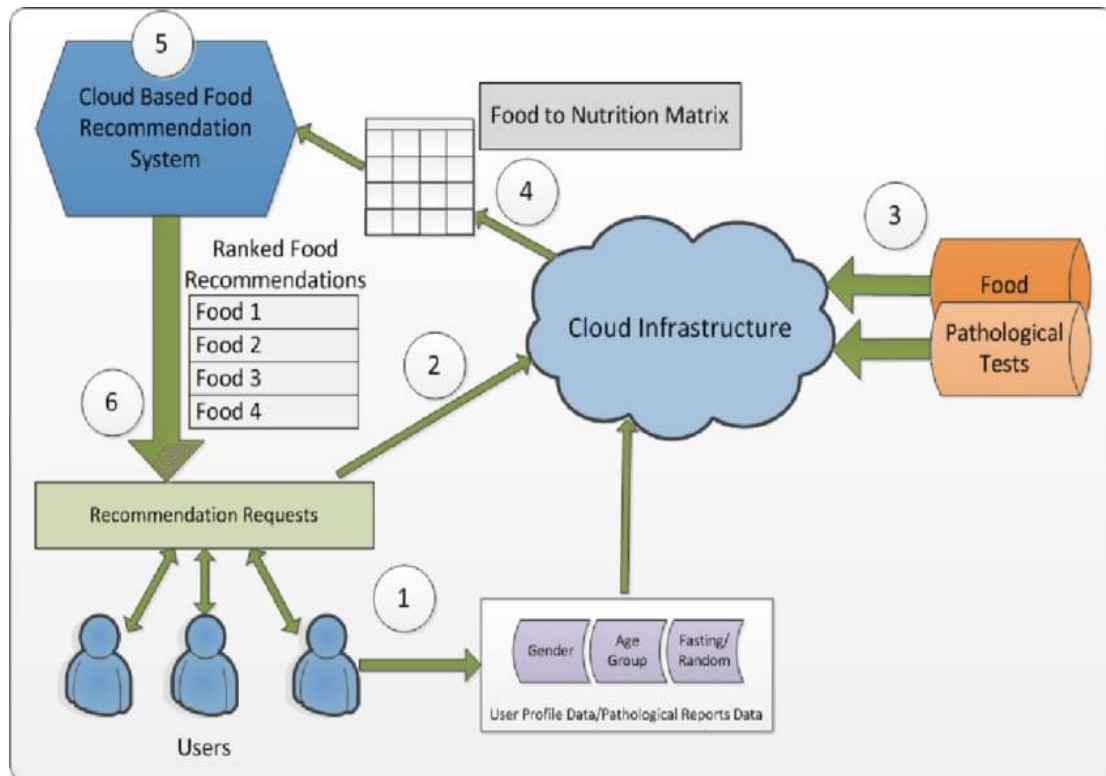
### 4.2 Proposed Solution

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Clearly describe the problem you aim to solve. Include relevant statistics or pain points to highlight the severity or urgency of the issue.
2.	Idea / Solution description	Outline your proposed solution. Focus on how it addresses the problem effectively and efficiently.
3.	Novelty / Uniqueness	What makes your solution different from existing ones? Highlight any innovative features, technologies, or processes.
4.	Social Impact / Customer Satisfaction	Explain how your solution improves lives, benefits communities, or enhances customer satisfaction.
5.	Business Model (Revenue Model)	How will the solution generate revenue? Include pricing strategies, partnerships, target customer segments, etc.



6.	Scalability of the Solution	Discuss how your solution can grow geographically or serve more users. Mention potential challenges and how they will be handled.
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### 4.3 Solution Architecture



## 5. PROJECT PLANNING AND SCHEDULING

### 5.1 Project Planning

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have	1	High

			registered for the application		
Sprint-2	Use Registration	USN-3	As a user, I can register for the application through Facebook	2	Low
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	24 May 2025	20	24 May 2025
Sprint-2	20	6 Days	31 Oct 2022	31 May 2025	20	31 May 2025
Sprint-3	20	6 Days	07 Nov 2022	07 June 2025	20	07 June 2025
Sprint-4	20	6 Days	14 Nov 2022	14 June 2025	20	14 June 2025

## 5.2 Planning Logic

A **Sprint** fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task. It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

### Sprint 1: (6 Days)

Data Collection

Collection of Data      2

Loading Data              1

### **Sprint 2: (6 Days)**

Data Preprocessing

Handling Missing Values      3

Handling Categorical values   2

### **Sprint 3: (6 Days)**

Model Building

Model Building              5

Testing Model                3

### **Sprint 4: (6 Days)**

Deployment

Working HTML Pages      3

Flask deployment          5

### **Total Story Points**

Sprint 1 = 8

Sprint 2 = 16

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 16+8 =24

No of Sprints= 2

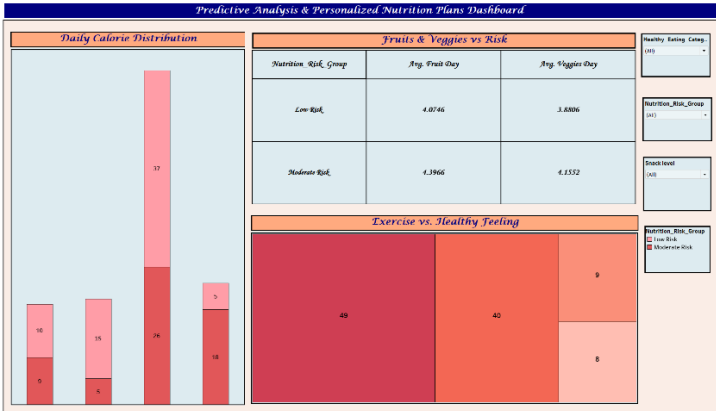
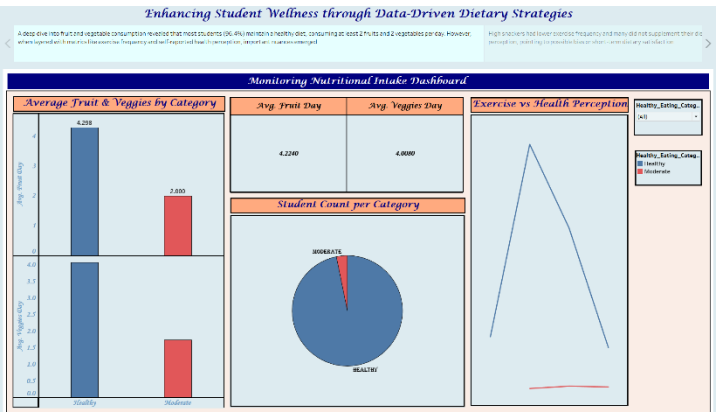
**Velocity** = (16+8)/2= 24/2

12 (Story Points per Sprint)

**Team's velocity is 12 Story Points per Sprint.**

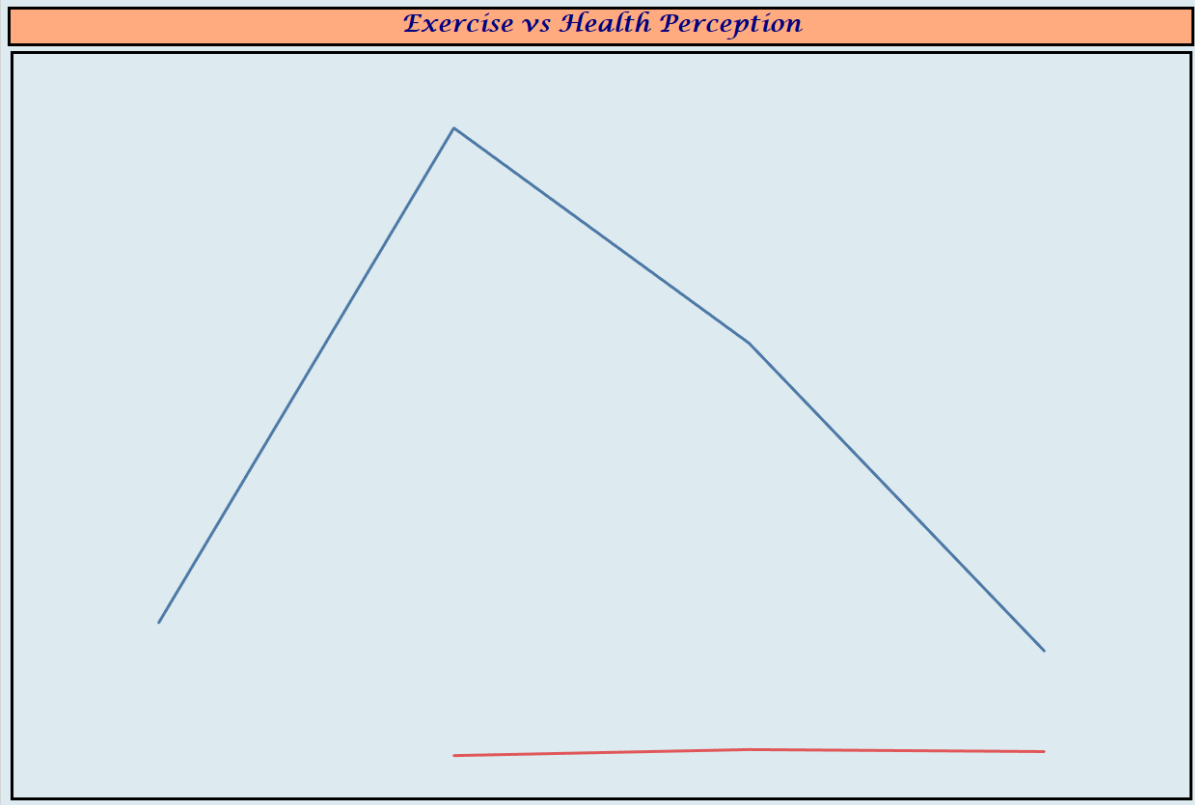
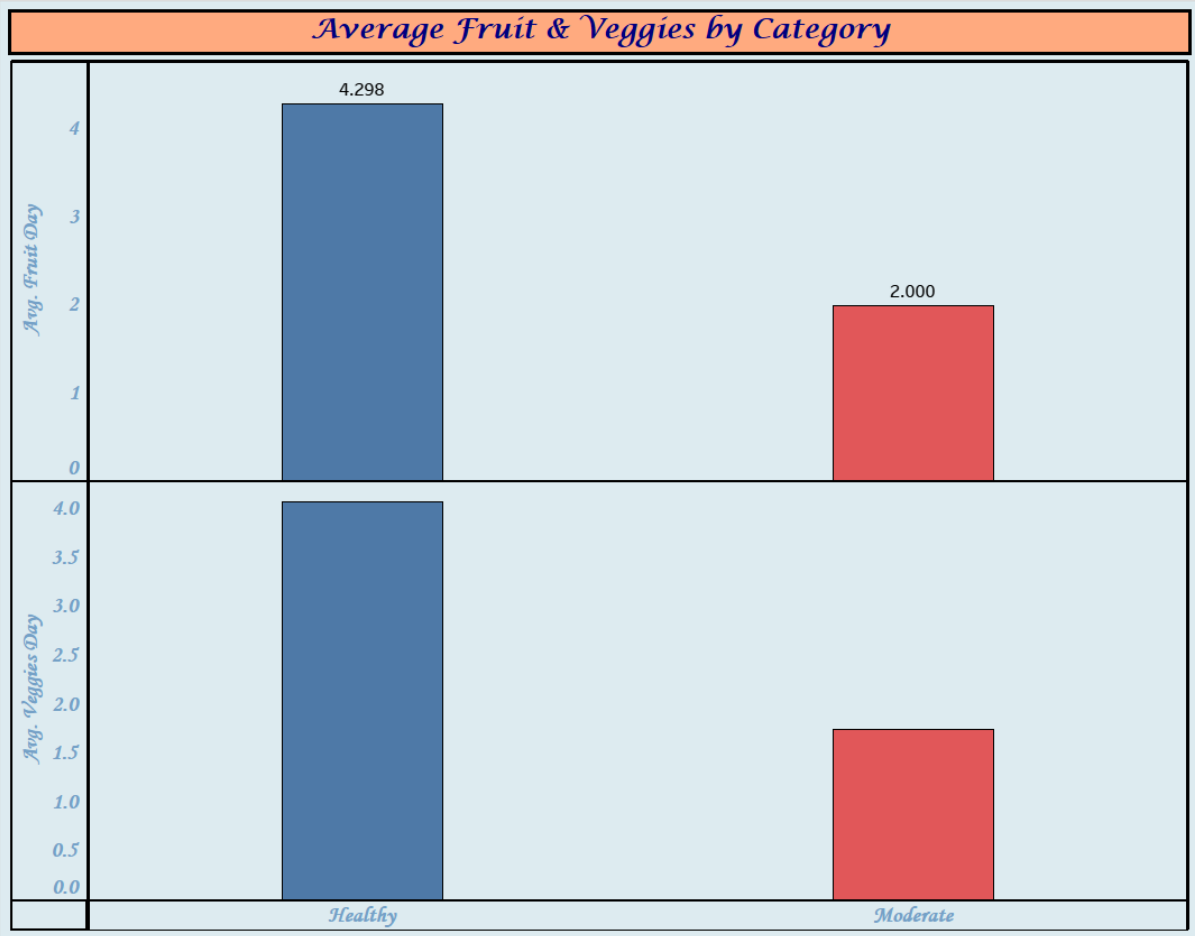
## **6. FUNCTIONAL AND PERFORMANCE TESTING**

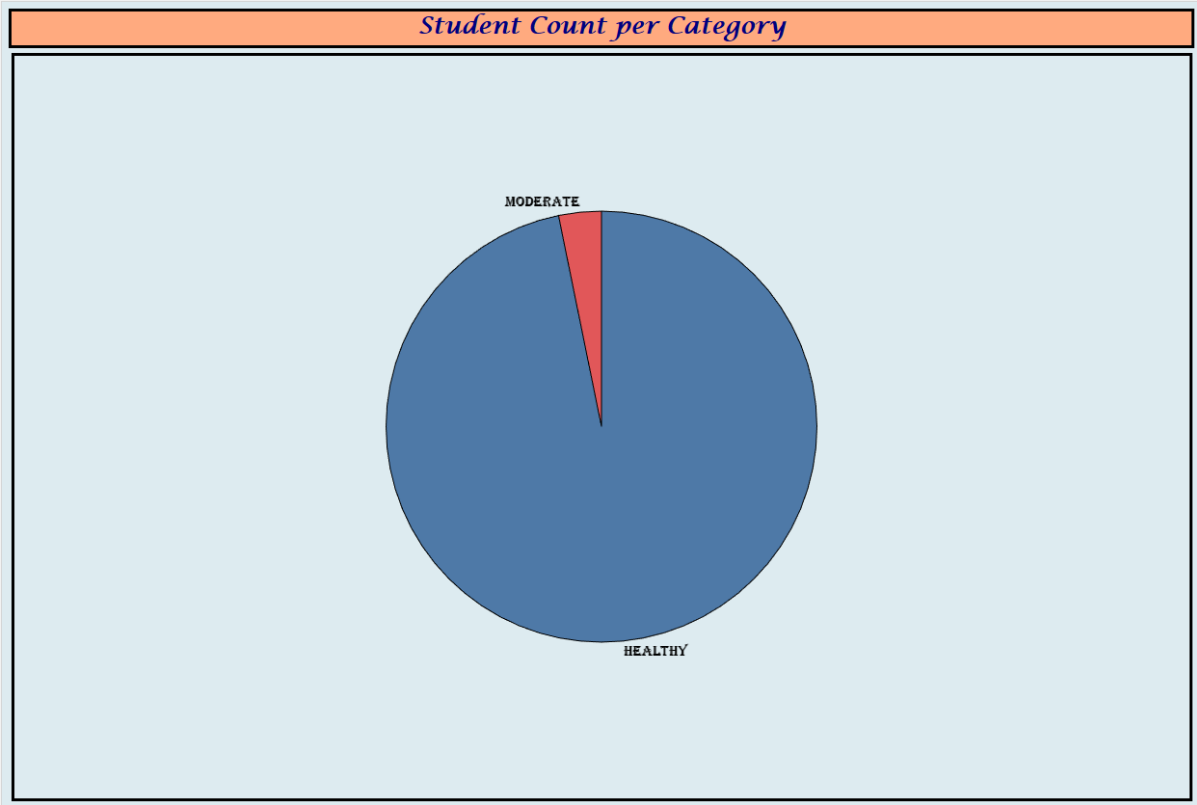
### **6.1 Performance Testing**

S. No.	Parameter	Screenshot / Values
1.	Data Rendered	126 records
2.	Data Preprocessing	Removed null values
3.	Utilization of Filters	Date Range Filter Region Filter Product Category Filter
4.	Calculation fields Used	Usually numeric, date/time, or text depending on the formula and context.
5.	Dashboard design	No of Visualizations / Graphs – 11  <p>The dashboard titled 'Predictive Analysis &amp; Personalized Nutrition Plans Dashboard' contains the following visualizations:</p> <ul style="list-style-type: none"> <li><b>Daily Calorie Distribution:</b> A stacked bar chart showing calorie distribution across four categories with values 10, 15, 26, and 25.</li> <li><b>Fruits &amp; Veggies vs Risk:</b> A table with columns 'Nutrition_Risk_Group', 'Avg. Fruit Qty', and 'Avg. Veggie Qty'. It shows data for 'Low Risk' and 'Moderate Risk' groups.</li> <li><b>Exercise vs. Healthy Feeling:</b> A treemap visualization showing the relationship between exercise and health perception, with segments labeled 49, 40, 9, and 8.</li> </ul>
6	Story Design	No of Visualizations / Graphs – 11  <p>The dashboard titled 'Enhancing Student Wellness through Data-Driven Dietary Strategies' contains the following visualizations:</p> <ul style="list-style-type: none"> <li><b>Average Fruit &amp; Veggies by Category:</b> A grouped bar chart comparing 'Healthy' and 'Unhealthy' categories for both fruit and vegetable consumption.</li> <li><b>Avg. Fruit Day / Avg. Veggie Day:</b> Summary statistics showing average consumption per day.</li> <li><b>Student Count per Category:</b> A pie chart showing the distribution of students across 'MODERATE' and 'HEALTHY' categories.</li> <li><b>Exercise vs. Health Perception:</b> A line chart showing the trend of health perception relative to exercise levels.</li> </ul>

## 7.RESULTS

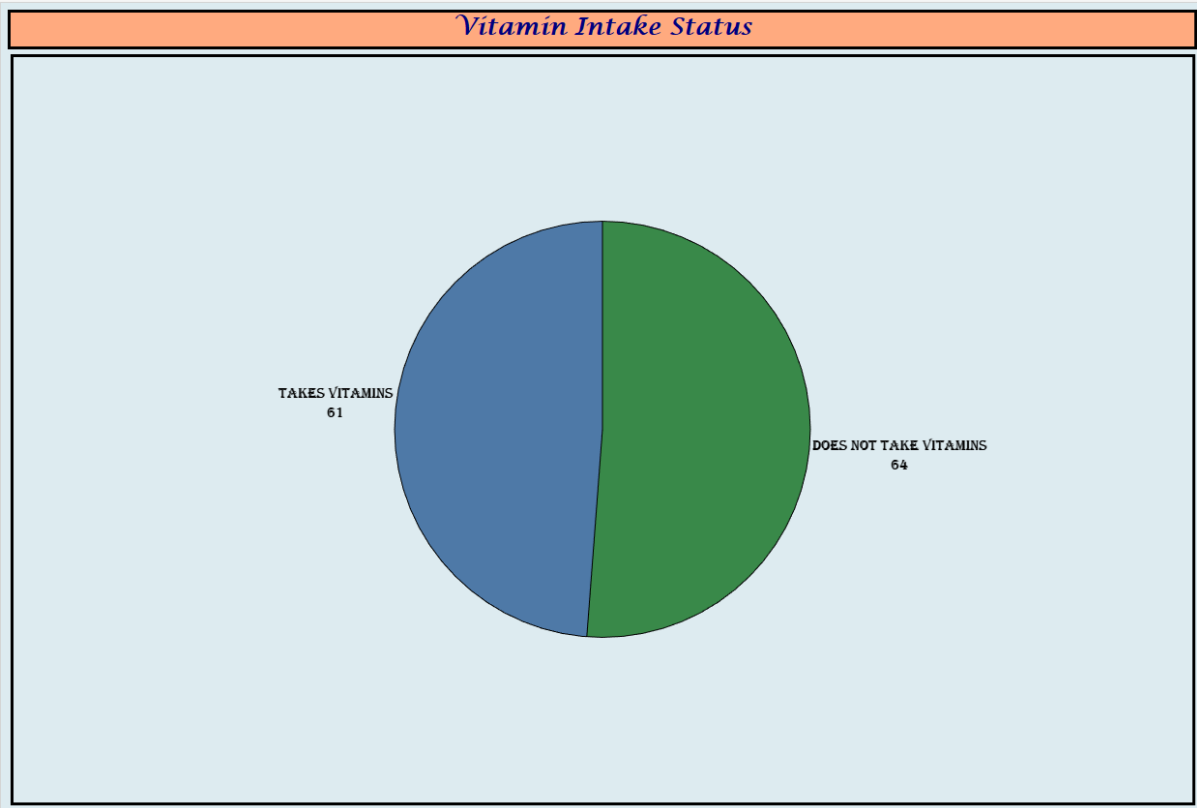
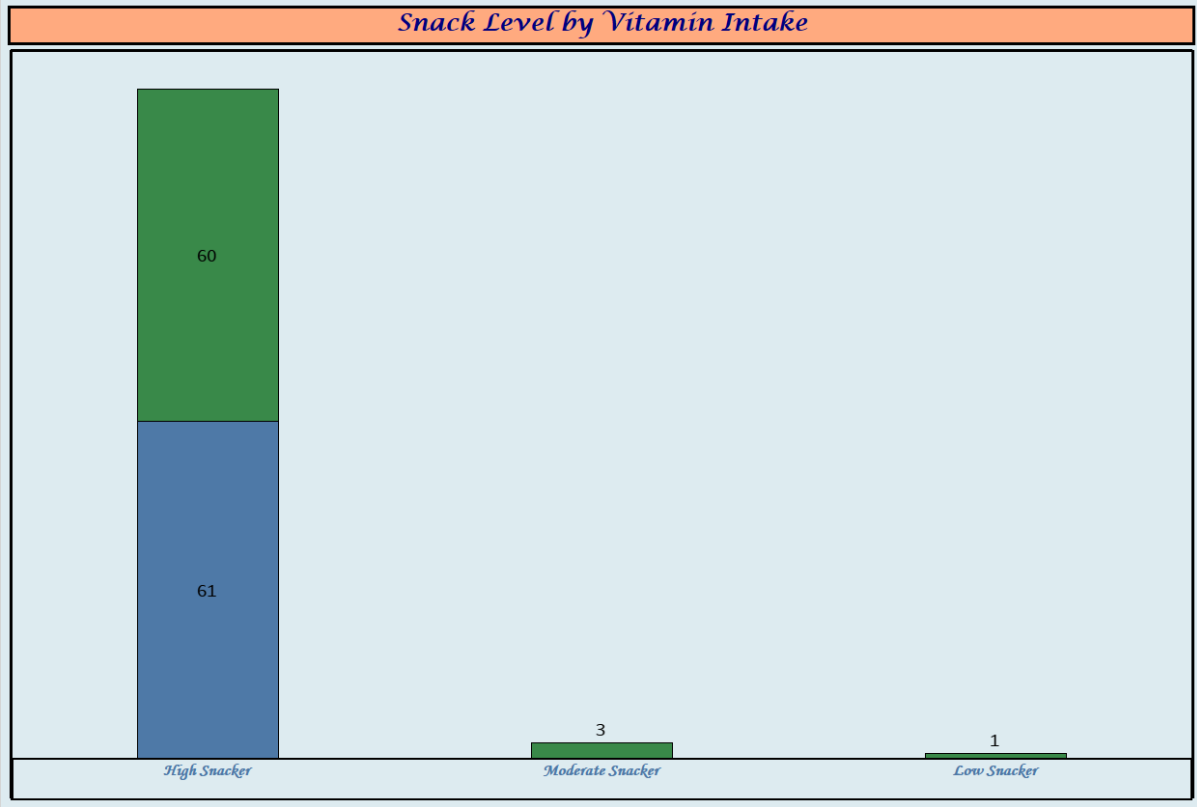
### 7.1 Output Screenshots

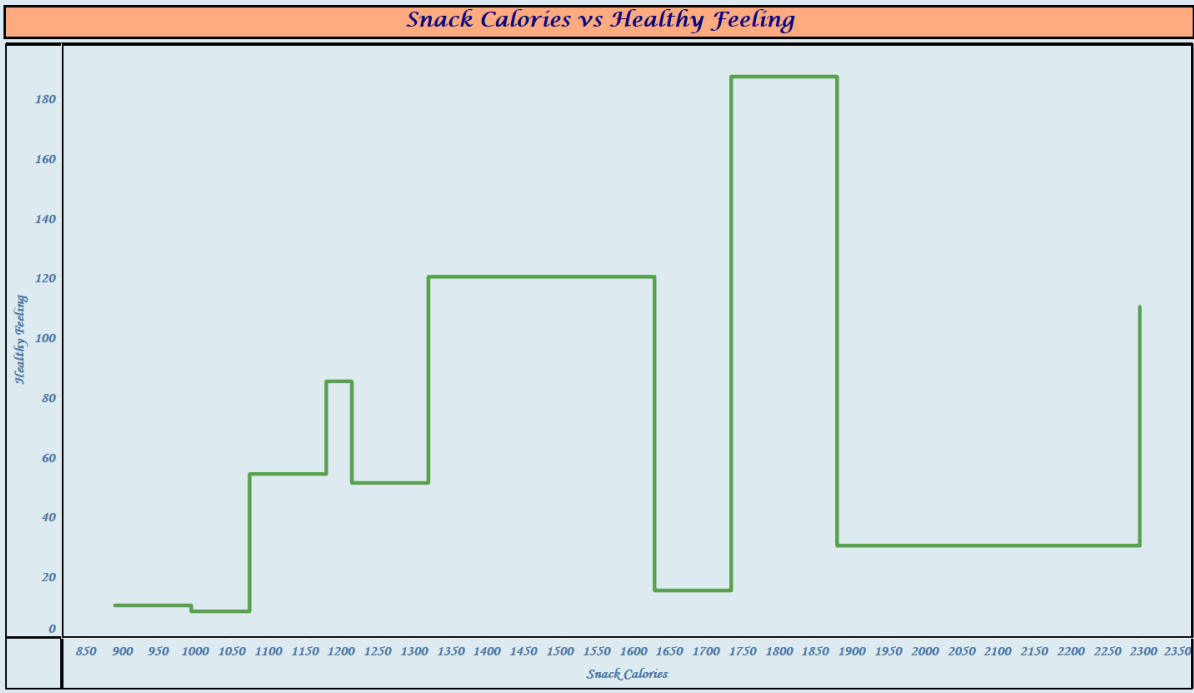




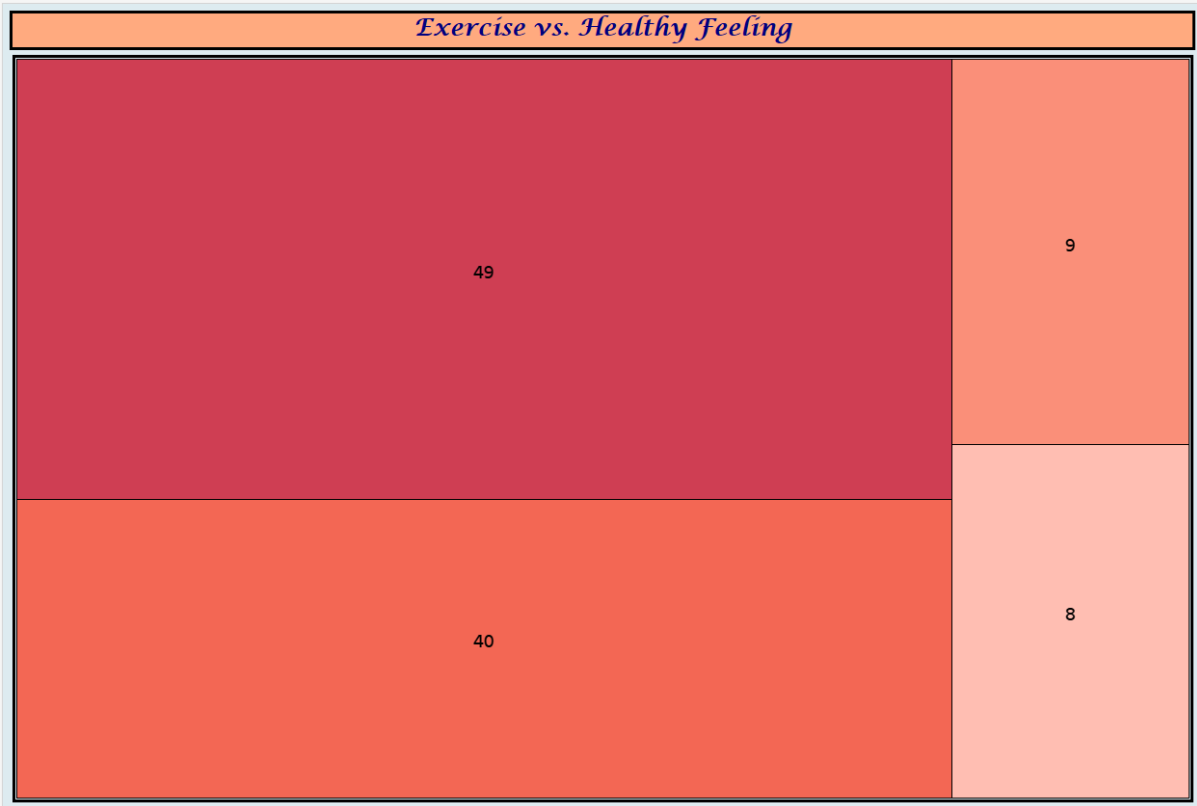
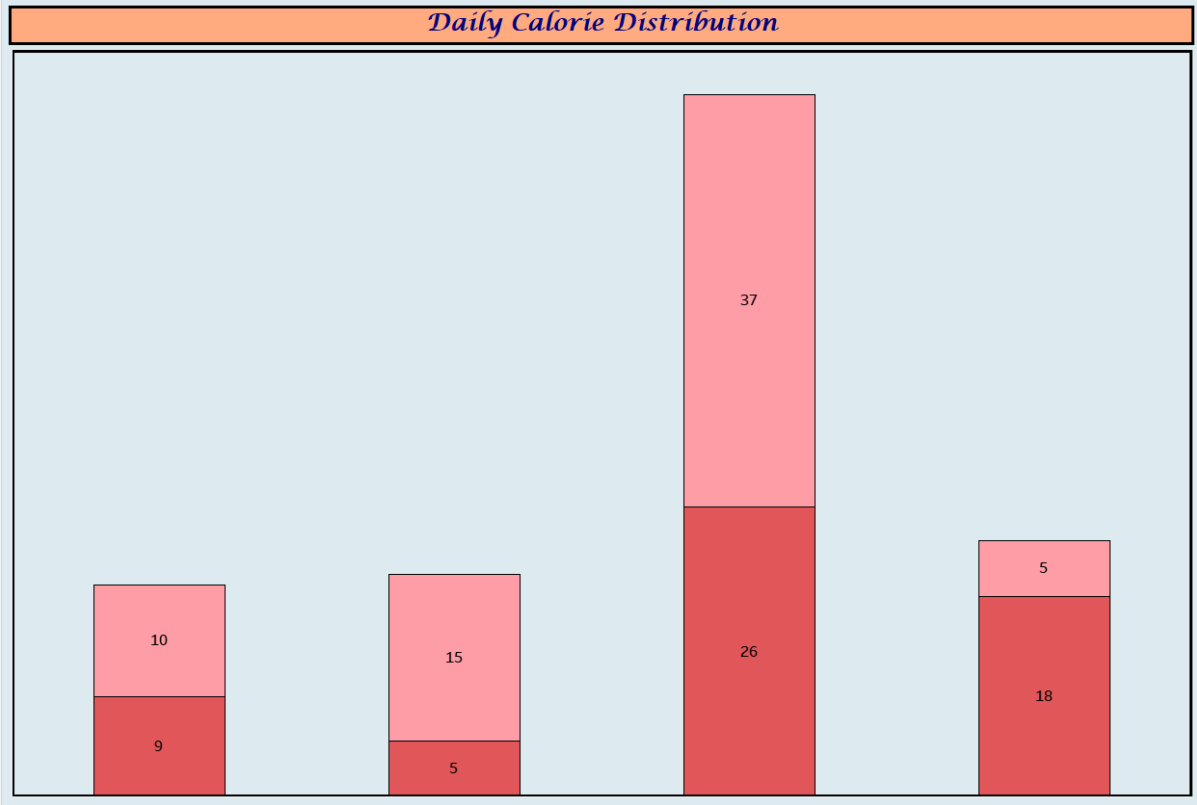
Avg. Fruit Day	Avg. Veggies Day
4.2240	4.0080





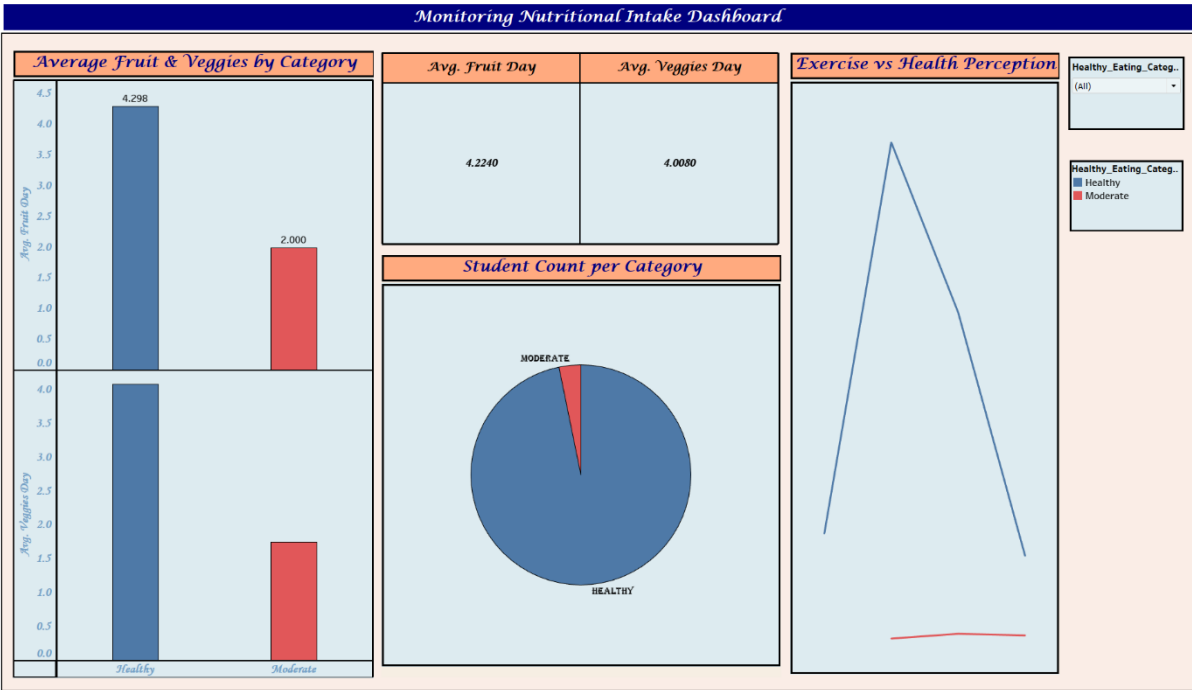


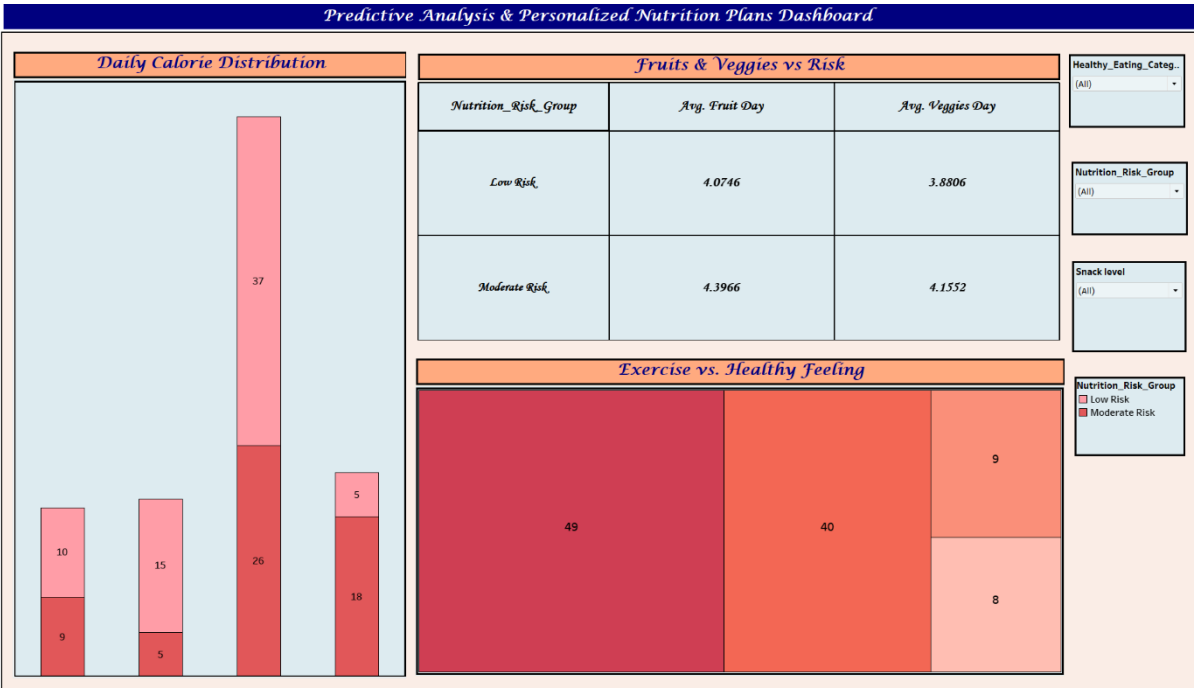
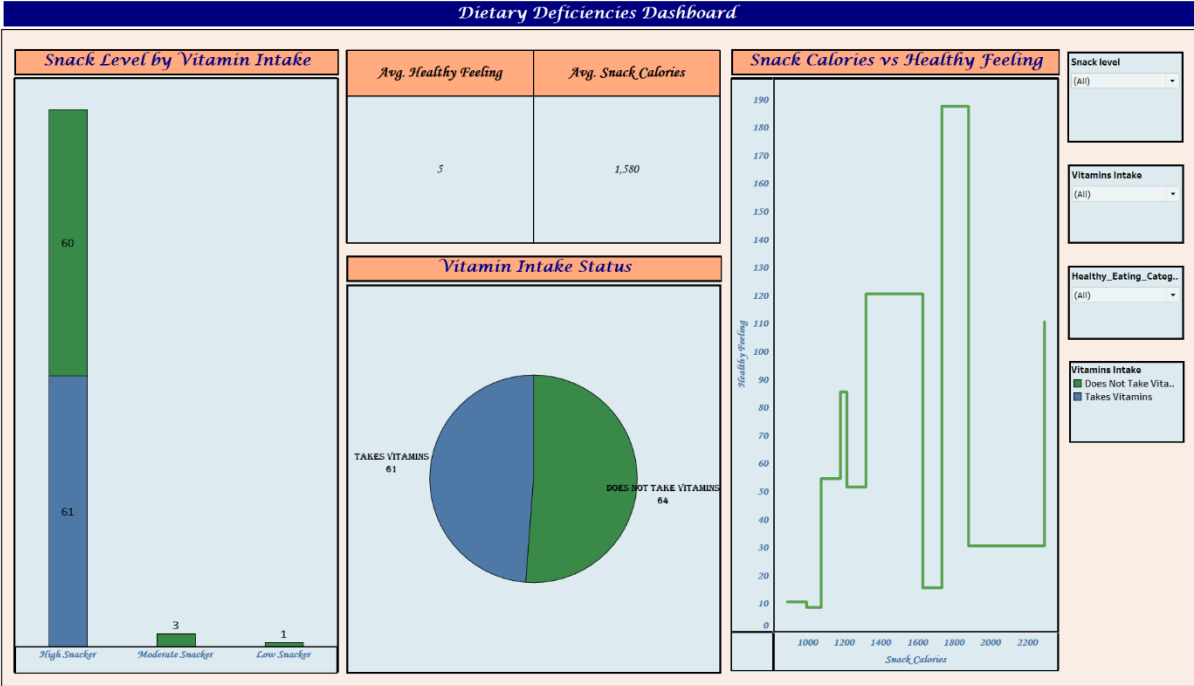
<i>Avg. Healthy Feeling</i>	<i>Avg. Snack Calories</i>
5	1,580



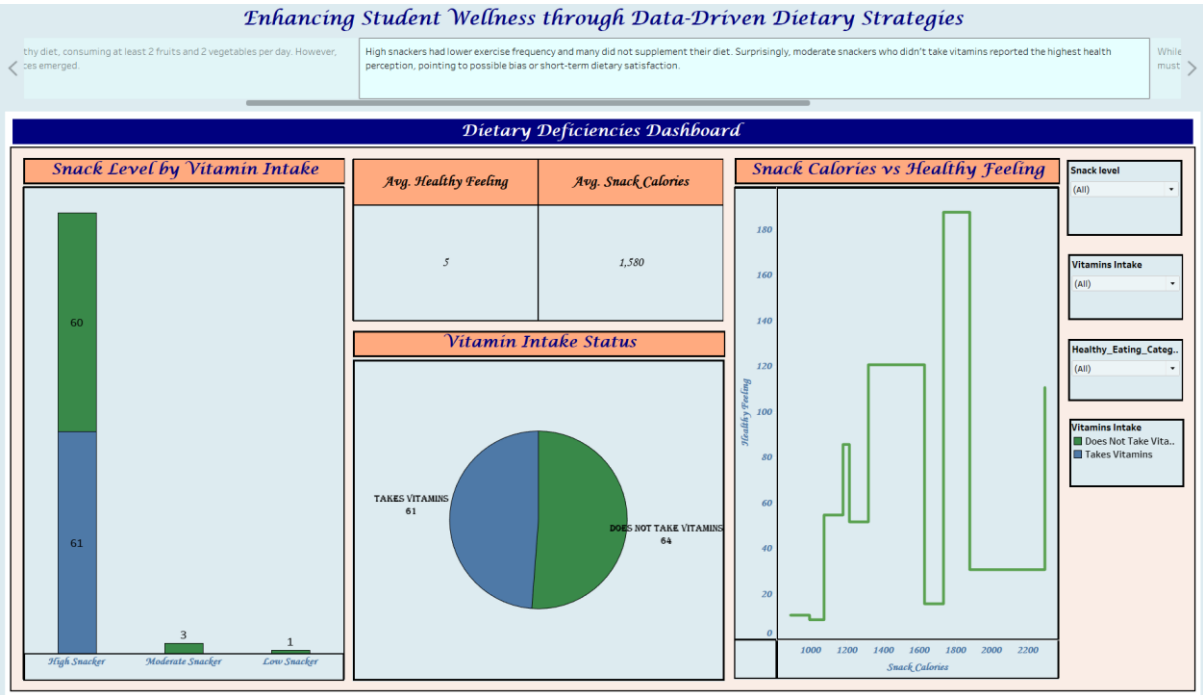
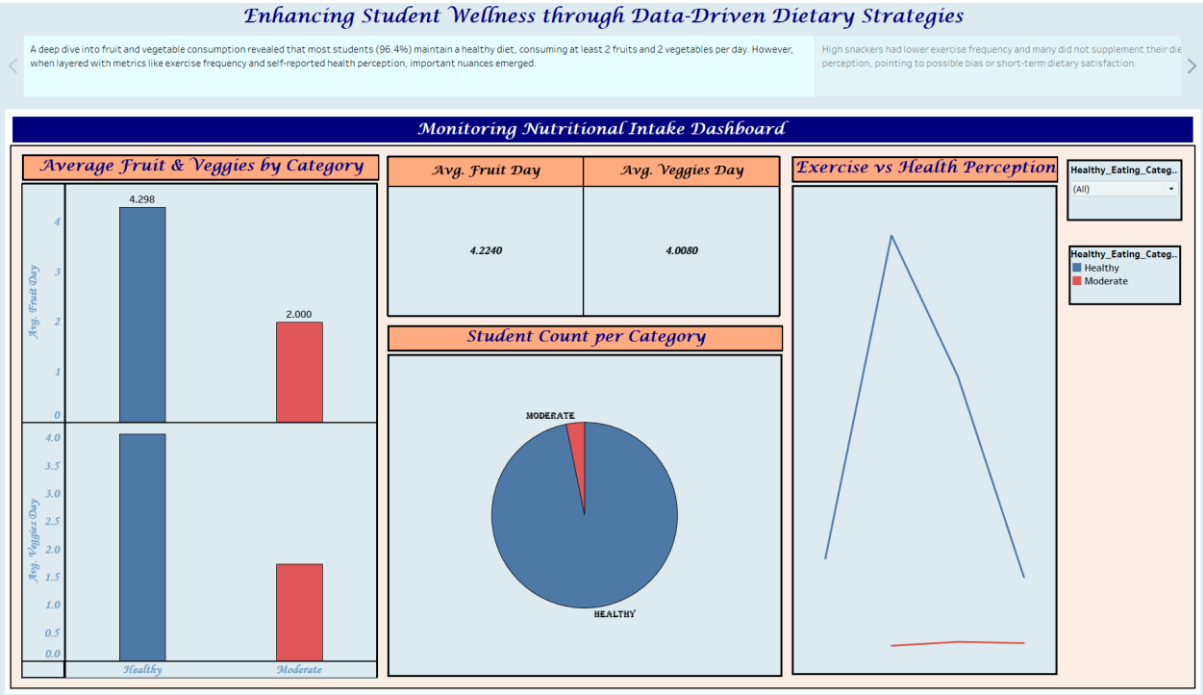
Fruits & Veggies vs Risk		
Nutrition_Risk_Group	Avg. Fruit Day	Avg. Veggies Day
Low Risk	4.0746	3.8806
Moderate Risk	4.3966	4.1552

**Dashboards:**





Story:





## 8. ADVANTAGES AND DISADVANTAGES

### ADVANTAGES:

- **Real-Time Insights:**  
Tableau dashboards allow for up-to-date visualization of student dietary behaviours, helping administrators quickly spot trends and deficiencies.
- **Data-Driven Decision Making:**  
Enables evidence-based strategies for improving menu planning, wellness programs, and targeted health interventions.
- **Centralized Data Integration:**  
Combines multiple data sources (dining hall menus, nutrition data, student surveys, health records) into one accessible platform.
- **Improved Student Health Outcomes:**  
Early identification of dietary deficiencies or poor eating habits can lead to timely support, better physical and mental health, and improved academic performance.
- **Enhanced Collaboration:**  
Facilitates cooperation between health services, dining services, and student affairs through shared data insights.
- **Customizable Visual Dashboards:**  
Dashboards can be tailored for different audiences—administrators, nutritionists, dining staff, or even students.
- **Cost-Effective Long-Term Planning:**  
Helps avoid expensive health interventions later by focusing on prevention through nutrition.

### DISADVANTAGES:

- **Data Collection and Quality Issues:**  
Accurate and comprehensive data from multiple sources (e.g., dining systems, health records) may be hard to collect, inconsistent, or siloed.
- **Privacy and Ethics Concerns:**  
Handling student health and dietary data requires strict compliance with privacy laws (e.g., FERPA, HIPAA) and ethical considerations.
- **Technical and Resource Limitations:**  
Building and maintaining Tableau dashboards may require technical expertise, staff training, and ongoing IT support.
- **Limited Student Participation:**  
Without consistent student input (e.g., food choices, survey responses), data may be incomplete or unrepresentative.
- **Resistance to Change:**  
Dining services or administrative staff may resist adopting new data systems or changing long-standing menu practices.

- **Initial Time and Cost Investment:**

Upfront costs for data integration, software, and training may be significant, especially for smaller institutions.

## 9. CONCLUSION

The Comprehensive Analysis and Dietary Strategies with Tableau project represents a forward-thinking approach to improving student health and wellness through data-driven insights. By leveraging Tableau's powerful visualization capabilities, the project addresses key challenges such as fragmented data, lack of real-time analysis, and reactive health strategies. With integrated dashboards and nutritional analysis tools, college administrators, health professionals, and dining services can collaboratively identify dietary trends, detect nutritional gaps, and implement more effective, targeted interventions.

This initiative not only enhances operational efficiency but also places student well-being at the centre of campus life—fostering a healthier, more informed, and proactive campus community.

## 10. FUTURE SCOPE

1. **Predictive Health Analytics:**

- Integrate machine learning tools with Tableau to forecast potential health issues related to diet (e.g., vitamin deficiencies, obesity risk).

2. **Mobile App Integration:**

- Develop or integrate with mobile platforms to allow students to track their meals, receive personalized nutrition tips, and give feedback.

3. **Personalized Nutrition Plans:**

- Use student dietary data to offer tailored meal recommendations based on individual health needs, allergies, or fitness goals.

4. **Expansion to Mental Health Insights:**

- Correlate dietary trends with mental health patterns to support holistic student wellness initiatives.

5. **Collaboration with Academic Departments:**

- Partner with nutrition, public health, or data science departments for student-led research, internships, or capstone projects.

6. **Benchmarking Across Institutions:**

- Share anonymized insights across universities to compare trends, share best practices, and improve nationwide student health strategies.

7. **Sustainability & Food Waste Monitoring:**

- Extend dashboards to analyse food waste and sustainability metrics, aligning dietary planning with environmental goals.

## 11. APPENDIX

### Source Code:

#### Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Combined Nutrition Dashboards</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
    .dashboard-container {
      margin-bottom: 60px;
    }
  </style>
</head>
<body>

  <!-- Dashboard 1: Monitoring Nutritional Intake -->
  <div class="dashboard-container tableauPlaceholder" id="viz1" style="position: relative;">
    <noscript>
      <a href="#">
        
      </a>
    </noscript>
    <object class="tableauViz" style="display:none;">
      <param name="host_url" value="https%3A%2F%2Fpublic.tableau.com%2F" />
      <param name="embed_code_version" value="3" />
      <param name="site_root" value="" />
      <param
name="name"
value="MonitoringNutritionalIntakeDashboard/MonitoringNutritionalIntakeDashboard" />
      <param name="tabs" value="no" />
      <param name="toolbar" value="yes" />
      <param
name="static_image"
value="https://public.tableau.com/static/images/Mo/MonitoringNutritionalIntakeDashboard/
MonitoringNutritionalIntakeDashboard/1.png" />
```

```

    <param name="animate_transition" value="yes" />
    <param name="display_static_image" value="yes" />
    <param name="display_spinner" value="yes" />
    <param name="display_overlay" value="yes" />
    <param name="display_count" value="yes" />
    <param name="language" value="en-US" />
  </object>
</div>

```

```

<!-- Dashboard 2: Dietary Deficiencies -->

```

```

<div class="dashboard-container tableauPlaceholder" id="viz2" style="position: relative;">
  <noscript>
    <a href="#">
      

```

```

    </a>

```

```

  </noscript>

```

```

  <object class="tableauViz" style="display:none;">

```

```

    <param name="host_url" value="https%3A%2F%2Fpublic.tableau.com%2F" />

```

```

    <param name="embed_code_version" value="3" />

```

```

    <param name="site_root" value="" />

```

```

    <param

```

```

      name="name"

```

```

value="DietaryDeficienciesDashboard/DietaryDeficienciesDashboard" />

```

```

    <param name="tabs" value="no" />

```

```

    <param name="toolbar" value="yes" />

```

```

    <param

```

```

      name="static_image"

```

```

value="https://public.tableau.com/static/images/Di/DietaryDeficienciesDashboard/DietaryDeficienciesDashboard/1.png" />

```

```

    <param name="animate_transition" value="yes" />

```

```

    <param name="display_static_image" value="yes" />

```

```

    <param name="display_spinner" value="yes" />

```

```

    <param name="display_overlay" value="yes" />

```

```

    <param name="display_count" value="yes" />

```

```

    <param name="language" value="en-US" />

```

```

  </object>

```

```

</div>

```

```

<!-- Dashboard 3: Predictive Analysis -->

```

```

<div class="dashboard-container tableauPlaceholder" id="viz3" style="position: relative;">

```

```

  <noscript>

```

```

    <a href="#">

```

```

        
    </a>
</noscript>
<object class="tableauViz" style="display:none;">
    <param name="host_url" value="https%3A%2F%2Fpublic.tableau.com%2F" />
    <param name="embed_code_version" value="3" />
    <param name="site_root" value="" />
    <param
                                                name="name"
value="PredictiveAnalysisandPersonalizedNutritionPlansDashboard/PredictiveAnalysisPerso
nalizedNutritionPlansDashboard" />
    <param name="tabs" value="no" />
    <param name="toolbar" value="yes" />
    <param
                                                name="static_image"
value="https://public.tableau.com/static/images/Pr/PredictiveAnalysisandPersonalizedNutriti
onPlansDashboard/PredictiveAnalysisPersonalizedNutritionPlansDashboard/1.png" />
    <param name="animate_transition" value="yes" />
    <param name="display_static_image" value="yes" />
    <param name="display_spinner" value="yes" />
    <param name="display_overlay" value="yes" />
    <param name="display_count" value="yes" />
    <param name="language" value="en-US" />
</object>
</div>

<!-- Story: Enhancing Student Wellness -->
<div class="dashboard-container tableauPlaceholder" id="viz4" style="position: relative;">
<noscript>
    <a href="#">
        
    </a>
</noscript>
<object class="tableauViz" style="display:none;">
    <param name="host_url" value="https%3A%2F%2Fpublic.tableau.com%2F" />
    <param name="embed_code_version" value="3" />
    <param name="site_root" value="" />

```

```

        <param          name="name"          value="EnhancingStudentWellnessthroughData-
DrivenDietaryStrategiesStory/EnhancingStudentWellnessthroughData-
DrivenDietaryStrategiesStory" />
        <param name="tabs" value="no" />
        <param name="toolbar" value="yes" />
        <param
value="https://public.tableau.com/static/images/En/EnhancingStudentWellnessthroughData-
DrivenDietaryStrategiesStory/EnhancingStudentWellnessthroughData-
DrivenDietaryStrategiesStory/1.png" />
        <param name="animate_transition" value="yes" />
        <param name="display_static_image" value="yes" />
        <param name="display_spinner" value="yes" />
        <param name="display_overlay" value="yes" />
        <param name="display_count" value="yes" />
        <param name="language" value="en-US" />
    </object>
</div>

<!-- Common Script to Load All Visualizations -->
<script type="text/javascript">
    function renderViz(divId, fallbackHeight) {
        var divElement = document.getElementById(divId);
        var vizElement = divElement.getElementsByTagName('object')[0];

        if (divElement.offsetWidth > 800) {
            vizElement.style.width = '100%';
            vizElement.style.height = (divElement.offsetWidth * 0.75) + 'px';
        } else if (divElement.offsetWidth > 500) {
            vizElement.style.width = '100%';
            vizElement.style.height = (divElement.offsetWidth * 0.75) + 'px';
        } else {
            vizElement.style.width = '100%';
            vizElement.style.height = fallbackHeight;
        }

        var scriptElement = document.createElement('script');
        scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
        vizElement.parentNode.insertBefore(scriptElement, vizElement);
    }

    renderViz('viz1', '1327px');
    renderViz('viz2', '1477px');
    renderViz('viz3', '1227px');
    renderViz('viz4', '1327px');

```



</script>

</body>

</html>

**Dataset Link:**

[https://www.kaggle.com/datasets/borapajo/food-choices?select=food\\_coded.csv](https://www.kaggle.com/datasets/borapajo/food-choices?select=food_coded.csv)

**GitHub Repository Link:**

<https://github.com/RaghunadhaRao-Kotaru/Comprehensive-Analysis-and-Dietary-Strategies-with-Tableau-A-College-Food-Choices-Case-Study>

**Project Demo Link:**

<https://drive.google.com/file/d/17rDWzVLU-tlsuCsbdVFN7ZV8zFx3a7oB/view?usp=sharing>

**Team Members:**

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2. **Raghunadha Rao Kotaru**