Brainstorming Document

Project Overview

Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study is an innovative project aimed at revolutionizing how dietary data among college students is visualized and utilized to drive informed decision-making and enhance student health and academic performance. This project uses Tableau to create a dynamic platform with interactive visualizations of student diet, exercise, and health data.

Brainstorming Process

Step 1: Team Gathering and Collaboration

- Form a multidisciplinary team.

- Select a focused problem statement.

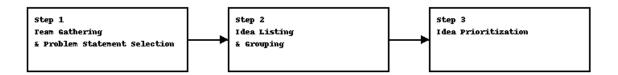Step 2: Brainstorming Idea Listing and Grouping

- Encourage idea generation from all team members.

- Cluster similar ideas into logical groups.

Step 3: Idea Prioritization

- Rank ideas based on impact and feasibility.

- Select top ideas to implement in the project.

Brainstorming Flowchart

Brainstorming Document

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Step 1                          Step 2                   Step 3
Team Gathering                  Idea Listing             Idea Prioritization
& Problem Statement Selection   & Grouping
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Scenario 1: Monitoring Nutritional Intake

Receive real-time alerts about decreasing fruit and vegetable intake among students. Use Tableau visualizations to assess trends and causes, then respond with awareness campaigns, improved cafeteria options, or dietary advice.

Scenario 2: Addressing Dietary Deficiencies

Identify widespread deficiencies like low vitamin intake or high junk food consumption. Analyze affected demographics, prevalence, and potential impacts to design effective health campaigns and resource allocations.

Scenario 3: Predictive Analysis and Personalized Nutrition Plans

Use predictive analytics to prevent health issues by identifying risky dietary habits early. Provide personalized nutrition plans and monitor progress through real-time data.