

**Project Development Phase**  
**Model Performance Test**

Date	10 February 2025
Team ID	LTVIP2025TMID52061
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	food_coded.csv with 100+ variables including GPA, exercise, dietary habits, preferences, etc.
2.	Data Preprocessing	<ul style="list-style-type: none"><li>- Null value handling for columns like calories_day, weight</li><li>- Encoded categorical fields (e.g., diet_current, gender, exercise)</li><li>- Created standardized fields for calorie intake and health ratings</li></ul>
3.	Utilization of Filters	Filters added for: <ul style="list-style-type: none"><li>- Gender</li><li>- Diet Status</li><li>- Exercise Frequency</li><li>- Cuisine Preferences</li><li>- Self-perceived weight status</li></ul>
4.	Calculation fields Used	<b>Calculation fields</b> Calorie Consumption ComfortFoodReasons_Label FavComfortfoods SportsParticipation MEAL PAY RANGE Weight (bin) Breakfast (copy) COUNT_1 <b>Numeric to string conversion</b> Gender(count) Marital Status(count) Parentscook(count) Vitamins(count)

5.	Dashboard design	<b>Visualizations-23</b> <ol style="list-style-type: none"> <li>1. GPA Distribution</li> <li>2. Gender Distribution</li> <li>3. Breakfast distribution</li> <li>4. Calorie Consumption per day</li> <li>5. Fav Comfort Foods</li> <li>6. Comfort Food Reasons</li> <li>7. Cooking Frequency per week</li> <li>8. Cuisine Preferences</li> <li>9. Diet Status</li> <li>10. Exercise Frequency</li> <li>11. EmployeeStatus</li> <li>12. HealthyFeeling</li> <li>13. LifeRewardingRating</li> <li>14. Marital Status</li> <li>15. Nutritional Check</li> <li>16. ParentalCookingHabits</li> <li>17. MealPaymentHabits</li> <li>18. WeightSelfPerception</li> <li>19. SportsParticipation</li> <li>20. VitaminIntake</li> <li>21. WeightDistribution</li> <li>22. Eatingout</li> <li>23. Coffee Consumption</li> </ol> <b>Dashboards-4</b> <ol style="list-style-type: none"> <li>1. Dietary Habits and Preferences</li> <li>2. Parental Influence and Eating Out</li> <li>3. Lifestyle Overview</li> <li>4. Health and Nutrition</li> </ol>
6	Story Design	<b>Story Design-1</b> A college food choices story board