FAIML - Cardio Fitness (AIML)

Section	Ask	Points	What good looks like	What average looks like	What poor looks like	What nothing looks like	
		60	80-100%	60-80%	<60%	0	% Weightage
Understanding the structure of the data	- Overview of the dataset shape, datatypes - Statistical summary and check for missing values	3	1) Definition of problem (as per given problem statement with additional views) 2) Observations on shape of data, data types of various attributes, missing values, statistical summary.	1) Definition of problem (as per given problem statements) 2) Observations on data types of various attributes, missing values, statistical summary.	1) Definition of problem (as per given problem statements) 2) Observations on data (any).		5.00%
Univariate Data Analysis	- Univariate Analysis	12	Univariate Analysis (boxplots, histograms, countplots, distribution plots for all important variables like age, education, income, usage, miles, income, product, gender, marital status, fitness)	Univariate Analysis (boxplots, histograms, countplots, distribution plots for important variables for important variables (not all variables))	Univariate Analysis (any plot)		20.00%
Multivariate Data Analysis	- Bivariate Analysis	15	Bivariate Analysis (Correlation matrix, relation of all important variables) along with detailed insights for each of them.	Bivariate Analysis (Correlation matrix, relation of all important variables) along with detailed insights (not all variables).	Bivariate Analysis (Correlation matrix). No insights.		25.00%
Quality & Use of visualizations	- The details in Visualization used.	9	All the visualizations should have: 1) Good aspect ratio and size 2) All the axes labelled 3) Suitable scale of axes 4) Use of hue parameter for colour encoding	All the visualizations fulfill any 3 of the 4 requirements	Any 1 requirement is fulfilled		15.00%
Conclusion and Recommendations	- Conclude with the key insights/observations	15	Atleast 3 points of insight for all three types of treadmills: 1) TM195 2) TM495 3) TM798	2 points of insights for all three types of treadmills: 1) TM195 2) TM495 3) TM798	Any point of insights for the treadmills		25.00%
Well commented Python Code	- Structure and flow - Well commented code	6	- Well structured notebook with a logical flow - Clean and well commented code	- There is structure and flow but some bits are missing - Some of the code is commented	- No structure or flow - No comments in the code		10.00%