Instructions

Please download and import the dataset Cardiac.csv into Jupyter Notebook to attempt this quiz.

Problem Statement:

Cardiac arrest is an abrupt loss of heart functioning. The condition generally results from a problem with the heart's electrical system that disturbs the heart's pumping action. This malfunction can cause a life-threatening condition. Due to cardiac arrest, millions of people die every year. Hence, it would be a lifesaver if we can build a system that is capable of predicting heart failure.

Certain medical parameters help in predicting if a person is at risk of getting a cardiac arrest. Such features are stored in 'Cardiac.csv'.

Attribute Information-

1. Gender: This feature represents the gender of a person; 0- Other, 1- Male, 2- Female.
2. Chain_smoker: This feature represents if the person is a chain smoker or not
3. Consumes_other_tobacco_products: This feature represents if the person consumes other tobacco products.
4. HighBP: This feature represents if the person has high blood pressure or not.
5. Obese: This feature represents if the person is obese or not.
6. Diabetes: This feature represents if the person has diabetes or not.
7. Metabolic_syndrome: This feature represents if the person has metabolic syndrome or not
8. Use_of_stimulant_drugs: This feature represents if the person uses stimulant drugs or not
9. Family_history: This feature represents if someone in the family had cardiac issues or not.
10. History_of_preeclampsia: This feature represents if the person has a history of preeclampsia.
11. CABG_history: This feature represents if the person has a history of Coronary artery bypass surgery or not.
12. Respiratory_illness: This feature represents if the person has any respiratory illness.

13. UnderRisk: This feature represents if the person is at risk of getting a cardiac arrest or not.

Instructions:

Kindly go through the guidelines before attempting the quiz.

1. Ensure that there is a proper internet connection while taking up the quiz. Any disruption in the connection will automatically submit your quiz.
2. Attempt the quiz only when you are prepared and have enough time to finish it. Please ensure you attempt the quiz well before the due date. No extension will be provided for any quiz once the deadline is passed.
3. The quiz once opened, must be completed within the time frame provided. You CANNOT start the quiz, leave it unattended for an extended period of time and come back later to finish.
4. Use random_state = 1, wherever applicable.
5. No re-attempts will be provided if the quiz gets submitted for any of the above-mentioned reasons.
6. If you face any other technical issues on Olympus, you should share the screenshot with your Program Manager so that the team can understand and resolve it on priority.

Note - Train the models with default parameters unless instructed to use certain hyperparameters.