**Understanding Target and Features for classification**

**Quiz:**

1. **What is the role of feature variables in a classification problem?**

To assess the performance of the model

To determine the accuracy of the model

To classify the target variable into different categories

To provide additional context to the target variable

Submitted

2. **Which of the following best defines the target variable in a classification problem?**

The variable used for making predictions

The variable being predicted

The variable used for normalization

The variable used for feature engineering

3. **In a binary classification problem to predict whether a customer will churn or not, what would be the target variable?**

Customer age

Customer ID

Likelihood of churn

Customer income

4. **Identify the target variable for this problem**

diabetes

currentSmoker

BMI

TenYearCHD

5. **Based on previous tasks identify if this problem is a binary of multiclass classification problem**

Binary

Multiclas

6. **You are given a dataset containing information about customers of an e-commerce website. The goal is to predict whether a customer will make a purchase or not based on their characteristics. Identify the target variable and the features variables in this scenario.**

Target variable: Purchase amount; Features variables: Customer age, Time spent on the website, Number of products viewed.

Target variable: Customer will make a purchase; Features variables: Customer age, Purchase amount, Time spent on the website, Number of products viewed.

Target variable: Customer age; Features variables: Purchase amount, Time spent on the website, Number of products viewed.

Target variable: Purchase id; Features variables: Customer age, Time spent on the website, Number of products viewed.