

Introduction to Machine Learning Assignment

Problem Statement:

Consider yourself to be Sam who is a data scientist. He has been approached by a telecom company to do some predictive analytics.

Tasks to be performed:

1. Sam has to build a model on top of the customer_churn dataset:
 - a. To find out how does 'tenure' change/vary w.r.t change in 'MonthlyCharges' of the customer
 - b. To find out how does 'tenure' change/vary w.r.t change in 'TotalCharges' of the customer.
 - c. To understand which factor influences the 'tenure' of the customer more -> 'MonthlyCharges' or 'TotalCharges'

 2. Sam has to build another model on top of the 'customer_churn' dataset:
 - a. To find out if the customer would 'Churn' or not w.r.t the 'PaymentMethod' used by the customer
 - b. To find out if the customer would 'Churn' or not w.r.t the 'Contract' type of the customer.
 - c. To find out if the customer would 'Churn' or not w.r.t the 'MonthlyCharges' incurred by the customer
 - d. To understand which factor influences the 'Churn' of the customer more -> 'PaymentMethod', 'Contract' or 'MonthlyCharges'
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