

MainGames Data Scientist - Problem Solving

Problem Statement

At MainGames we are committed to help streamers increase their revenues by leveraging the rich source of streaming data to provide actionable insights. In this problem, we want to learn whether certain features of streamers will make them more or less likely to receive stars from their audience, in this case ***PaidStarPerWatchedHour*** is our dependent variable.

You're free to use any programming language and any type of model to look for insights in this dataset. The results should be presented in a comprehensible manner, good visualization is highly appreciated. Please state any assumption you'd make and explain any insight or conclusion that you derive.

Dataset Description

This dataset consists of more than 600 streamers (Indonesia, Vietnam, Philippines). Each row represents data of one unique streamer. There are different sets of facial features extracted using an AI tool (e.g., *Self_Esteem_*, *Character_Facet_*, *Personal_Values_Facet_*, *Temperament_*), in addition to *Gender*, *Game*, *Country*, *Total Follower*, and the role they play in the game (e.g., *Role_Director*).

Deliverable

Could be in any accessible format such as notebook generated from Jupyter notebook or Rstudio, a Pdf, or powerpoint, etc.