**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

**Presentation (by PPT)**

Make the report :

**- 15 slides max**

**-**The point to make in your PPT : **your findings things, summary, and next steps (improvement)**

**-**Point for **next step** means **:** if you give time for 7 days to make improvement, what should you do ? This advice will aims to Operation division and Executive management (don't be too technical)

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