

## FIFA 19 PLAYER RATING AND WAGE ANALYSIS



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## **Problem & Motivation**

- FIFA 19 is a soccer-based video game which features around 18,000 domestic and international players
- Players depicted in the game possess skillsets that are exactly similar to their real-life counterparts
- The game has an intuitive rating system that weighs each player's skillset according to the position they play
- Our motive is to identify the player attributes that contribute majorly to his rating in the game

## **Data**

- The dataset chosen for this project is the FIFA 19 complete player dataset from https://www.kaggle.com/karangadiya/fifa19
- The dataset consists of 18,200 rows and 89 columns where each row represents a player and each column represents their attributes/skills

## **Data Preprocessing**

- Columns like Wage, Height and Weight had to be normalized to a scale of 100.
- Missing values filled with mean of the entire column.
- Columns irrelevant to our analysis were removed.
- We mined the dataset with 34 features and 27 positions and found the top 10 relevant features needed for each position.
- We then mapped the 27 positions to 4 broad categories like 'Attack', 'Defense', 'Midfield', 'Goalkeeping'.

