**Analysis of FIFA 19: Finding the Top Five Earners For Specific Attributes**

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Data Analysis and Knowledge Discovery, INFO 4670, Section number 002

Assignment number 4

10/24/2023

1. **Introduction**

I would like to present a data analysis on FIFA 19 dataset. This is a dataset of a soccer game called FIFA but for the year 2019. This dataset is a collection of all players in the game with their names, age, position, overall rating, wages, selling price, country they’re from, the team they play for, and many more. I chose this dataset because not only did I play this game and know how things operate but I love the sport soccer. The source for this dataset is Kaggle.

* 1. **Data**

This dataset is a mix of quantitative and qualitative data depending on the attributes. My dataset is about the game FIFA 19 of all the players in the game and their attributes. This data is from Kaggle. This dataset source is no longer valid so I can only guess it was collected in 2019 because the game is about the year 2019. Most of my analyzing was with wages so the mean is 9.7312, median is 3, mode is 1. The attributes to this dataset are ID, Name, Age, Photo, Nationality, Flag, Overall, Potential, Club, Club Logo, Value, Wage, Special, Preferred Foot, International Reputation, Weak Foot, Skill Moves, Work Rate, Body Type, Real Face, Position, Jersey Number, Joined, Loaned From, Contract Valid Until, Height, Weight, LS, ST, RS, LW, LF, CF, RF, RW, LAM, CAM, RAM, LM, LCM, CM, RCM, RM, LWB, LDM, CDM, RDM, RWB, LB, LCB, CB, RCB, RB, Crossing. Finishing, HeadingAccuracy, ShortPassing, Volleys, Dribbling, Curve etc.....

* 1. **Substantive context, background, or framing issues with regard to this dataset**
* I cannot cover this section because the source of this dataset is invalid.
  1. **Objectives**
* Top 5 Highest Paid Players in FIFA 19
* Top 5 Highest Paid Left Footed Players in FIFA 19
* Top 5 Highest Paid Right Footed Players in FIFA 19
* Top 5 Oldest Players in FIFA 19
* Top 5 Highest Release Clauses in FIFA 19
* Top 5 Highest Paid Chelsea Players
* Which Club Paid The Highest Wages Barcelona vs Real Madrid

1. **Methods**
   1. **Tools**

* Excel

**2.2. Data pre-processing**

* Nearly in every sheet I used a SUBSTITUE function to remove the euro symbol and the K because it was causing my codes not to work. I as well removed any duplicates.
  1. **Data Analysis**
* IF Function. I used the IF function to display which players had a left and right preferred foot and dragged it down. This was useful because then I was able to filter the whole data set and find the Top 5 Left and Right footed players with the highest wages.

* V Lookup Function. I used a VLOOKUP function to confirm that the top 5 highest left and right footed players in 2019 are left and right footed players.
* Match Function. I used the MATCH function to help find the top 5 left and right footed players. This was useful because it helped make sure that the attribute “left” and “right” matched with the players preferred foot.
* Large Function. I used the LARGE function on the wages without symbols to find the top 5 highest wages. This was useful because it helped find the 5 highest wages.
* Index Function. I used the INDEX function to find the top 5 players’ names.
* Filter Function. I used the FILTER function for most all my analysis goals. This function is useful because it helps me find exactly what I am looking for if I am analyzing by group. For example, one of my analysis goals is to find the top 5 Chelsea players with the highest wages.

1. **Results**

**Top 5 Highest Paid Players in FIFA 19**

A screenshot of a document

Description automatically generated1A.

A screenshot of a graph

Description automatically generated2.A

**Top 5 Highest Paid Left Footed Players**

A screenshot of a computer

Description automatically generated1.B

**A graph of a number of people

Description automatically generated**

2.B

**Top 5 Highest Paid Right Footed Players**

A close-up of a document

Description automatically generated

1.C

A screenshot of a graph

Description automatically generated

2.C

**A screenshot of a table

Description automatically generatedTop 5 Oldest Players in FIFA 19**

1.D

A graph of a number of players

Description automatically generated

2.D

**A table with numbers and letters

Description automatically generatedTop 5 Highest Release Clause**

1.E

A screenshot of a computer

Description automatically generated

2.E

**Top 5 Highest Paid Chelsea Player**

A screenshot of a table

Description automatically generated

1.F

A screenshot of a graph

Description automatically generated

2.F

**Which Club Paid The Most In Wages: Barcelona vs Real Madrid**

A screenshot of a table

Description automatically generated

1.G

A graph of a football game

Description automatically generated with medium confidence

2.G

1. **Discussion**

* The information that I get from my results is that players with high wages are good soccer players that perform the best for their team. If their wages weren’t that high, they wouldn’t be valued at a high price nor have a high release clause price.

1. **Evaluation and conclusion**

* What I learned from this assignment was that players with high wages are talented players hence why their overall rating is high, and they’re valued at a high price. The most complicated part was trying to get my code to work to find the top 5 wages.

**References**

Eslammohamed. (2021, June 16). *Karangadiya-fifa19-task\_rf\_lf*. Kaggle. https://www.kaggle.com/code/eslammohamed/karangadiya-fifa19-task-rf-lf