

A photograph of a male soccer player with dark hair and a beard, wearing a white t-shirt. He is holding a golden trophy aloft with both arms raised in triumph. The background is a blurred green field with falling gold confetti.

# FANTASY LEAGUE

*Best Team Predictor  
2021*

*Fifa Moneyball Analysis by Angela Arredondo*

# TABLE OF CONTENTS

**01**

*WHAT IS FANTASY LEAGUE?*

**02**

*DATA CLEANING*

**03**

*EDA AND MODEL BUILDING*

**04**

*MAIN INSIGHTS*



01

## FANTASY LEAGUE

# **WHAT IS IT?**

**Fantasy League** is a game in which participants form a **virtual soccer** team based on **real players**



# 02

# DATA CLEANING

## Data Dropping

```
1 # df.drop(['column_nameA', 'column_nameB'], axis=1, inplace=True)
2
3 fifa_male.drop(['Player Photo','Club Logo','Flag Photo','Gender'], axis = 1, inplace = True)
4 fifa_male
1 # 'Loan Date End' has more than an 80% of null values, so we drop this column
2 fifa_male.drop(['Loan Date End'], axis = 1, inplace = True)
3 fifa_male
```

A vibrant, celebratory scene featuring a diverse group of people of various ages and ethnicities. They are all laughing heartily, their faces filled with joy. The atmosphere is festive, with numerous small, shiny gold confetti pieces falling around them. The lighting is bright and warm, highlighting the happiness of the individuals. The overall mood is one of fun, success, and accomplishment.

**NOW THAT WE HAVE  
OUR DATA CLEANED...**



03



## MODEL BUILDING

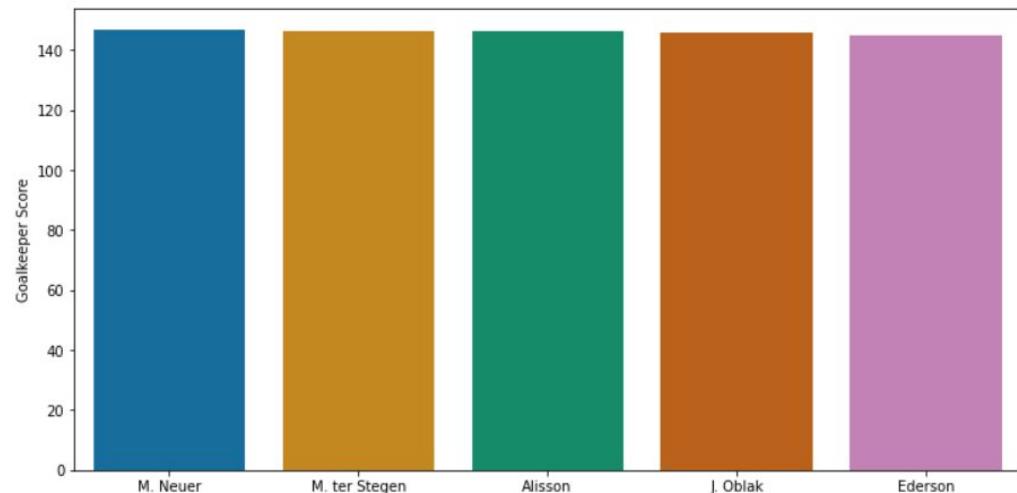


Based on **maximum** punctuation obtained in  
**skills** per player

# BEST GOALKEEPER

In [45]:

```
1 # Goalkeepers - assign a weight to each required skill for each player, and plot it
2 # Weights - We give all the same weight (You are not a Football Professional)
3 a = 1
4
5 fifa_male['GK'] = (fifa_male.Goalkeeping * a + fifa_male.GK_Diving * a + fifa_male.GK_Handling * a + fifa_male.GK_Kicking
6           * a + fifa_male.GK_Positioning * a + fifa_male.GK_Reflexes * a)/((6*a)
7
8 # Plot and sequential data generation
9 plt.figure(figsize = (12,6))
10 sd = fifa_male.sort_values('GK', ascending = False)[:5]
11 x1 = np.array(list(sd['Name']))
12 y1 = np.array(list(sd['GK']))
13
14 sns.barplot(x1, y1, palette = 'colorblind')
15 plt.ylabel("Goalkeeper Score")
16 plt.show() # So, the best Overall goalkeeper for 2021 FIFA is Neuer
```



# BEST GOALKEEPER

## AWARD REVIEW

**Club:** FC Bayern

München

**Overall:** 89 points

**Value:** 29M \$



**M. NEUER (34)**

# BEST DEFENDERS

## V. VAN DIJK (28)

**Club:** Liverpool

**Overall:** 90 points

**Value:** 75.5M \$



## E. CAN (26)

**Club:** Borussia D.

**Overall:** 86 points

**Value:** 26.5M \$



# BEST DEFENDERS

## M. HUMMELS (31)

**Club:** Borussia D.

**Overall:** 86 points

**Value:** 33M \$



## SERGIO RAMOS (34)

**Club:** Real Madrid

**Overall:** 89 points

**Value:** 24.5M \$



# BEST MIDFIELDERS

## L. MESSI (33)

**Club:** FC Barcelona

**Overall:** 93 points

**Value:** 67.5M \$



## NEYMAR JR (28)

**Club:** París Saint-G.

**Overall:** 91 points

**Value:** 90M \$



# BEST MIDFIELDERS

## S. MANÉ (28)

**Club:** Liverpool

**OVA:** 90 points

**Value:** 78M \$



## R. STERLING (25)

**Club:** Manchester C.

**OVA:** 88 points

**Value:** 72.5M \$



# BEST FORWARDS



**K. DE BRUYNE (29)**

**Club:** Manchester C.

**Overall:** 91 points

**Value:** 87M \$



**P. POGBA (27)**

**Club:** Manchester U.

**Overall:** 86 points

**Value:** 50M \$



04

## MAIN INSIGHTS

# MAIN INSIGHTS

## ANALYSIS REVIEW

The **age** of the **recommended** players varies between **25 and 34 years**

**Correlation** between **age** and **potential** is **inverse**, while between **average rating** and **age** is **direct**

Team **OVA**s are well **above average**

The **value** of the players does **not** fall below **20M \$**

### AVERAGE OVERALL SCORE

Out of 100 points

**67**

### AVERAGE AGE

Range from 16–53 years

**22**



# THANKS!

Do you have any questions?  
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