

Factors of Performance for FIFA Ultimate Team Players

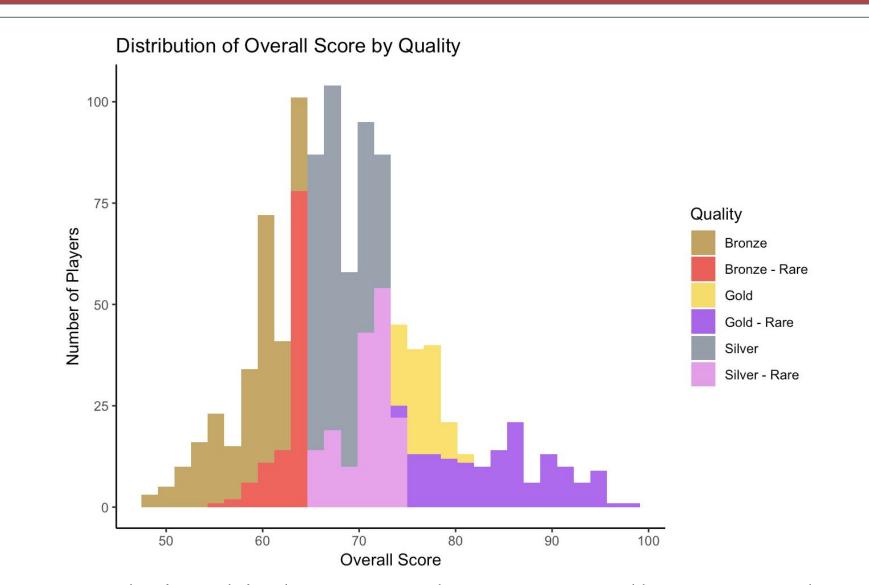
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Background

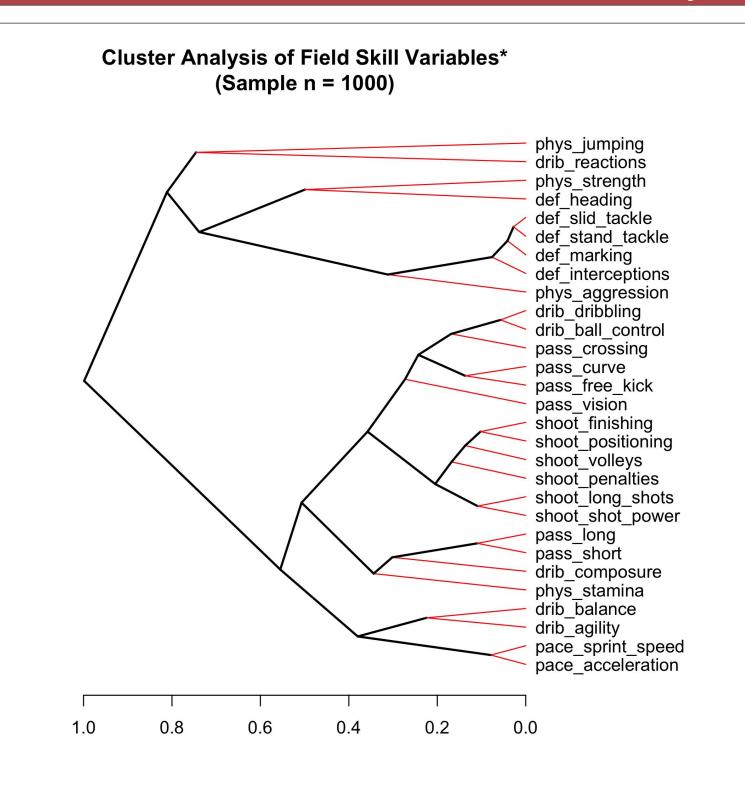
FIFA Ultimate Team is a video game that allows you to create your own team by purchasing players in an in-game marketplace. The game allows you to pick out of 21,256 players. Given information of the players include their name, nationality, price to purchase in each console, and their performance statistics such as pace, aggression, shooting, etc.

Overall Score and Quality of Players

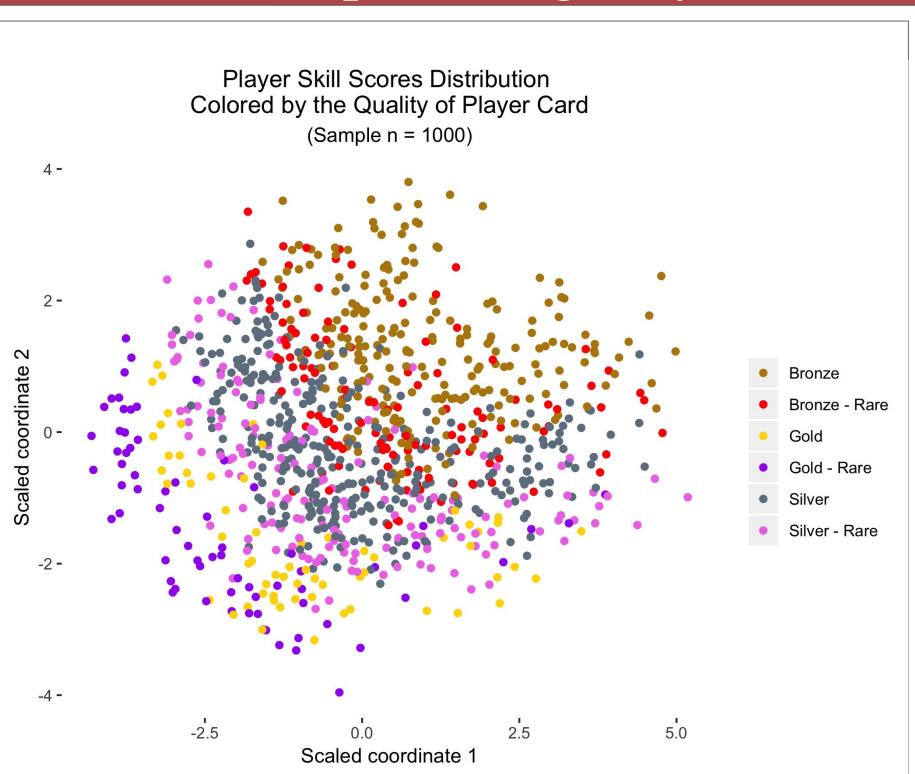


- Strong relationship between players' overall scores and quality
- Higher overall scores are 'gold rare."

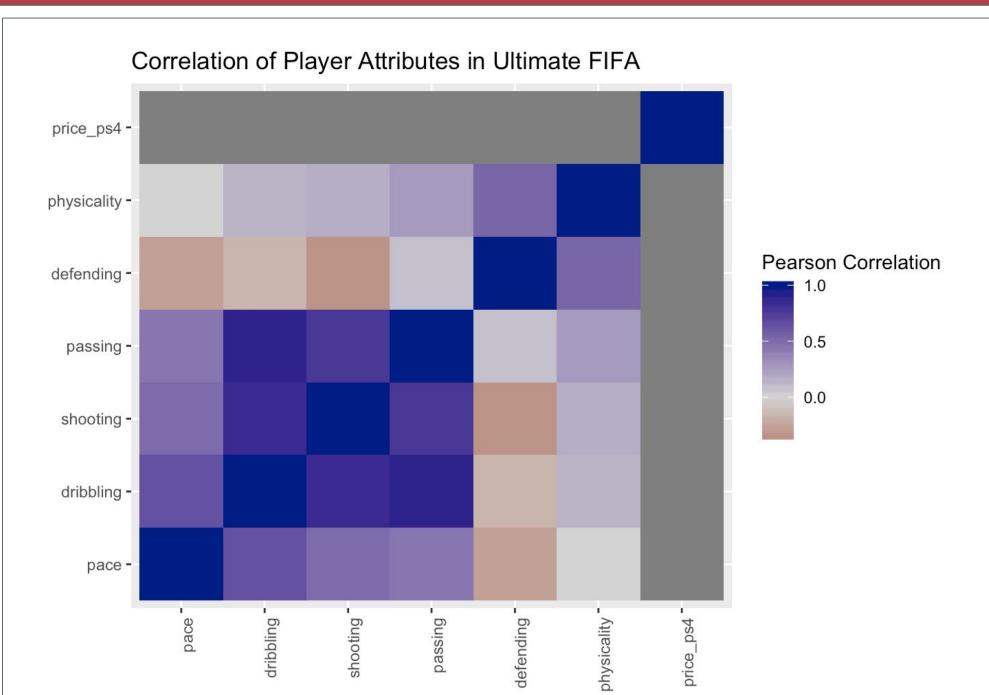
Analysis of Relationships among Player Skills and Qualities



- Correlated with defending skills are many physical traits, as they are used in blocking other players.
- Footwork variables are closely correlated with each other and are key to offense.
- Stamina is a key physical trait to offense, as is aggression to defense.

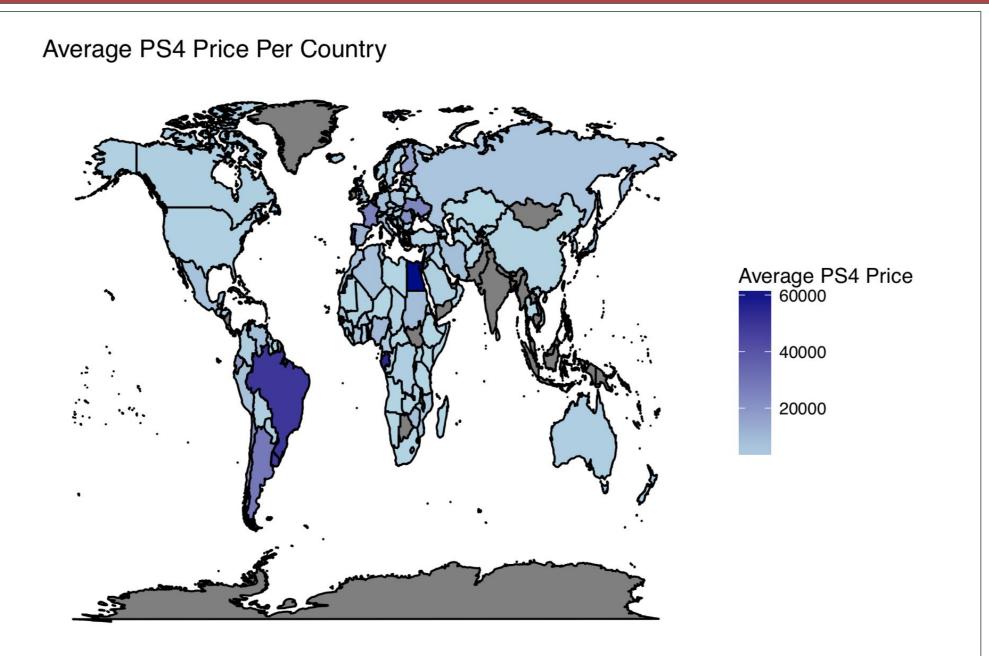


- There are clear clustering of different quality levels.
- Higher quality player cards cluster towards the bottom left, while lower quality player card cluster towards the top right .

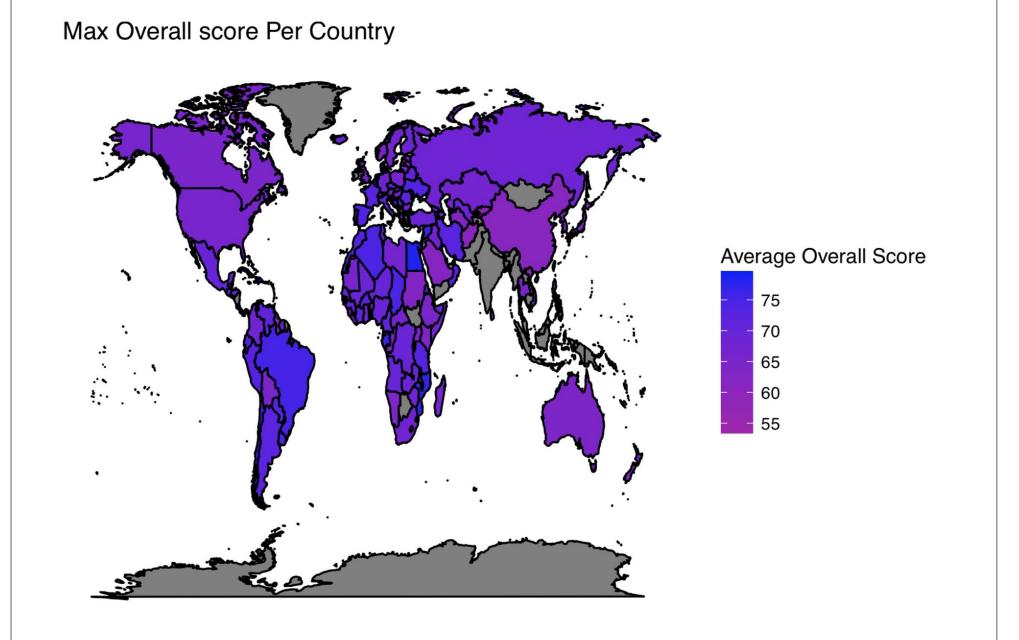


- No player attributes correlate to their price.
- The variables that have the higher correlation to each other are the offensive attributes while defending is negatively correlated.
- Physicality does not strongly correlate with any of the player attributes.

Analysis of Prices and Overall Score by Country

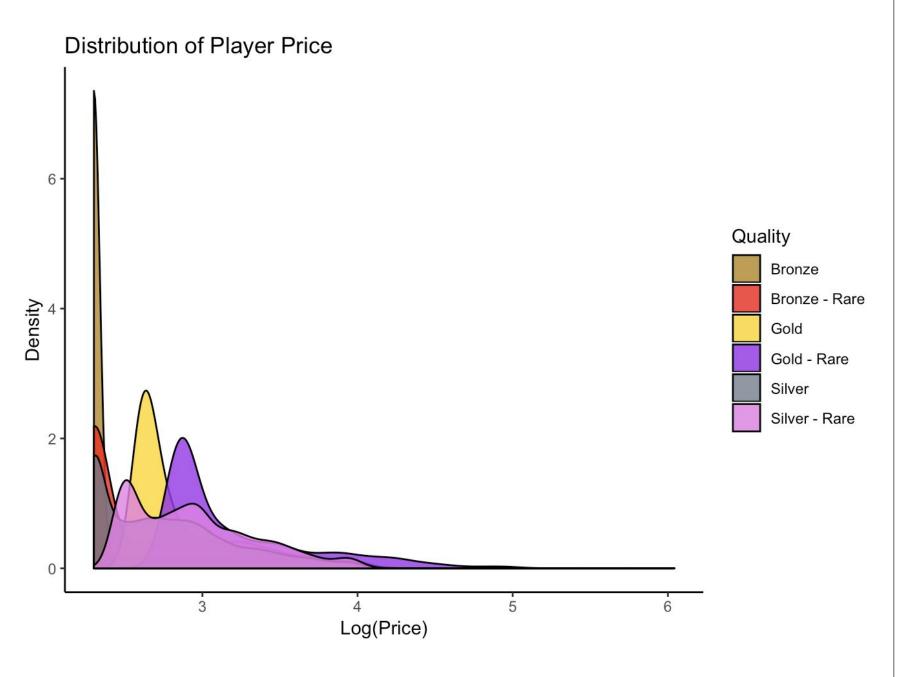


- The prices of the players seem to vary with their nationality.
- They are highest if the player is from South America or Europe and lowest for Asian countries
- A chi-square test between average price and country shows price is not independent from country as p-value is less than 2E-16.

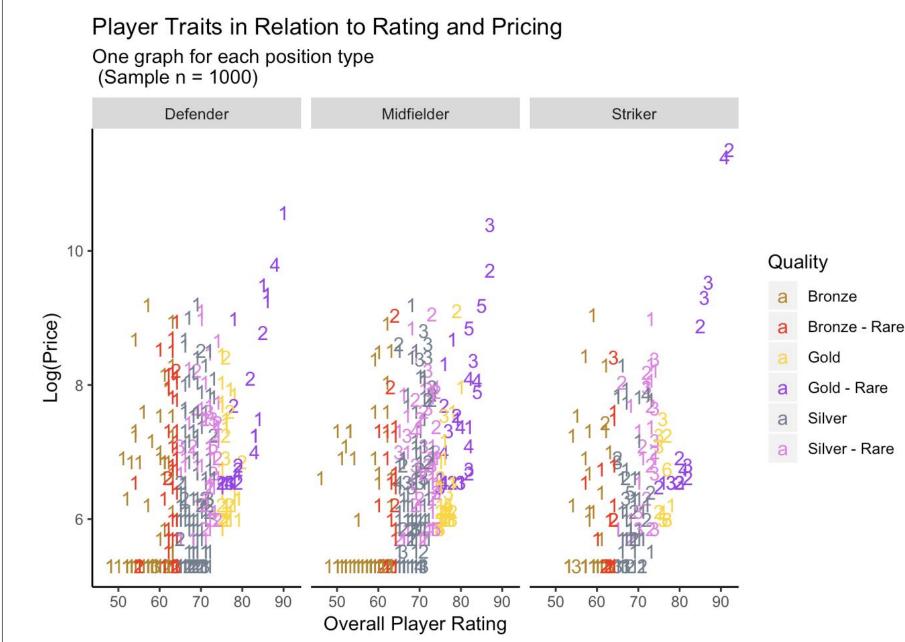


- The average overall skill rating for countries appears to be positively correlated with price for the country.
- A chi-square test between overall score and region shows that a players skill rating is not independent of their origin country, as p-value is less than 2E-16.

Analysis of Factors that Contribute to Price



- Most players, regardless of quality, are worth less than 2000 FIFA coins.
- Higher quality players are generally more expensive.
- Some of the quality types such as silver-rare and gold-rare seem to have some extreme outliers.



- The relation between price and overall rating seems to be the similar for all positions.
- Lower quality players seem to have less traits.
- There does not seem to be a strong relation between number of traits and price.