

**FUT Stats**

Visualizations for FIFA 20 Ultimate Team Players to Aid Player Purchasing Decisions

Background:

FIFA 20 is a popular soccer video game allowing players to play with their favorite players from across the globe. One of the most popular game modes is FUT (FIFA Ultimate Team) which allows players to create their own team by purchasing players and opening reward packs. A large component within FUT is the player market which allows FIFA players to buy/sell players on the market with in game currency. Like the stock market player values fluctuate every day based on many factors (player real world performance, in game promotions, etc). Like stocks, FIFA players are always searching for the optimal time to buy and sell players to maximize profits. However, there are thousands of players to watch and not easy UI to help track all the players and their values within the game. This shows an urgent need for a system that will let FIFA players look up their favorite players in the database and track smart opportunities to flip players for profit. This is where FUT Stats comes in!

Project Summary:

FUT Stats is a site which will allow FIFA players to watch player value from day to day. It will provide simple visualizations to make it easy for players to determine when it is a good time to buy/sell players. FUT Stats will also allow FIFA players to look up players in the database by filtering them by team, nation, position, and other player attributes. By utilizing data scraped from the game we will be able to show players accurate statistics and give them the tools to make informed purchasing decisions!

Project Goals:

The main goal of this project is to organize multiple Kaggle FUT data sets and provide endpoints for a site that will visualize the data for the FIFA players. As stated before, the visualizations will include player value from day to day and all the players attributes available. The toughest challenge in this project will be mapping all players into a system and providing filtering capabilities to the users.

Dataset

<https://www.kaggle.com/stefanoleone992/fifa-20-ultimate-team-players-dataset#fut_bin20_players.csv>

Limitations:

The only limitation is that the data is not the most up to date as it stops in February 2020. However, the project architecture will make it very easy to update the website if a more recent dataset is found or if a dynamic data source is used rather than a flat file.