DS330 Term Project

Title: FIFA Clustering Analysis

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Player Attributes:

<https://www.kaggle.com/datasets/stefanoleone992/fifa-21-complete-player-dataset>

Top Scorers 2021:

<https://www.kaggle.com/datasets/cclayford/statbunker-football-stats?select=Player+Stats+2019-20.csv>

Question: Is there any correlation between top goal scorers and players with certain attributes?

Summary:

* Background
  + My plan is to cluster data in a radar schema to explore possible trends and correlations among professional soccer/futbol player statistics.
* Objective
  + What physical characteristics are typical of a world class player? What skills are typical of world class player?
* Methodology
  + Most likely will use some data pipeline methods to filter out irrelevant data. Will probably aggregate data from another source to identify players with many career achievements.
* Expected Results
  + I expect to find a strong correlation between physical traits and age to be typical of a high caliber player.

Other Sources:

Python Web scraping (Currently Not Using):

<https://towardsdatascience.com/web-scraping-html-tables-with-python-c9baba21059>

FIFA quote:

<https://www.goal.com/en-us/news/fifa-player-ratings-explained-how-are-the-card-number-stats/1hszd2fgr7wgf1n2b2yjdpgynu>

Messi vs Ronaldo Stats:

<https://www.messivsronaldo.app/calendar-year-stats/2020>