

Analysis of FIFA Player's Attributes

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Dataset

The selected dataset is the *European Soccer Database* which can be found on [Kaggle](#).

Motivation

The information about the player's overall rating is a parameter that is really valuable not only in real life (e.g. to plan and execute transfers) but also is an important evaluation parameter for FIFA (video game)) players, for instance to choose a specific team and/or to transfer players when playing online.

Research Question

The chosen research question is the following:

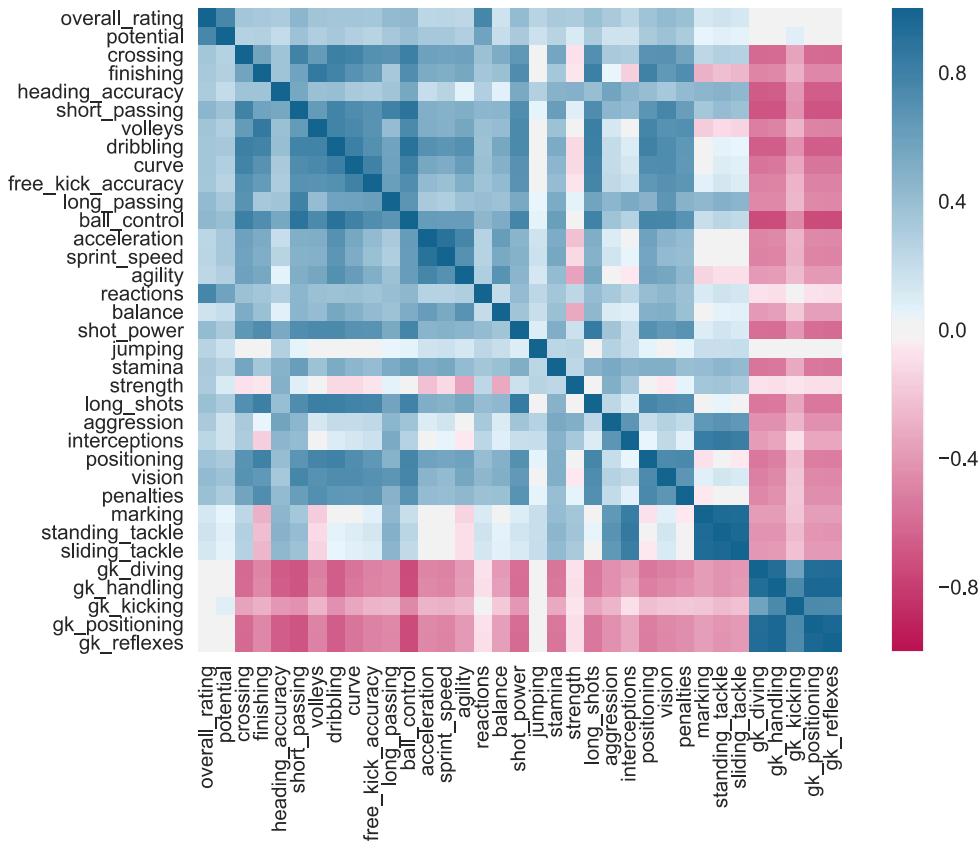
***How are the skills related between each other,
specially with the player's overall rating?***

Findings

The data analysis performed was the *correlation matrix*.

The dataset is extended and it includes historical updates on the skills of players, this allows a better analysis since much more data can be included.

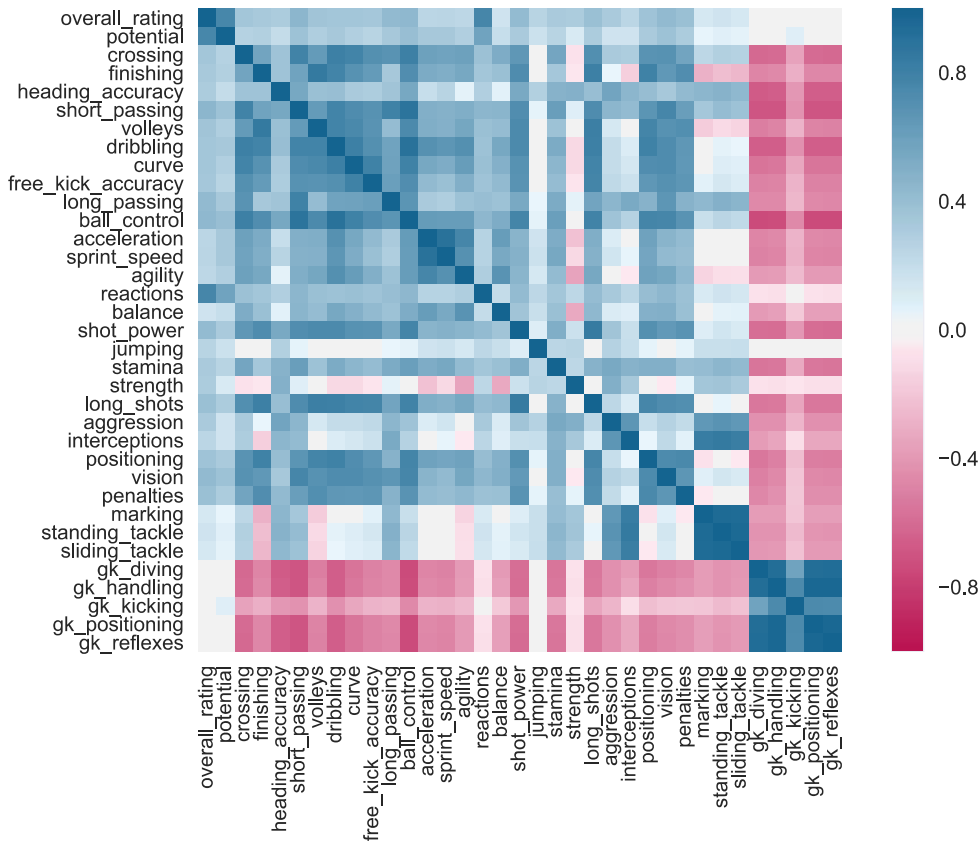
A direct relationship between the related parameters, e.g. jumping with heading, GK skills, defensive skills and so forth, however the correlation values show this relationship is not as strong as one would expect.



Findings

This analysis could indicate the use of a complex formula in the calculation of the *overall rating* of the player.

The correlation matrix analysis therefore **is not conclusive** in this specific case.



References

- Hugo Mathien. *European Soccer Database*. Online on [Kaggle](#).
- VG24/7. *EA explains how FIFA player ratings are calculated*. [Online article](#). 27.09.2016.