

## PART 2A

### Mental, Technical, and Physical Ratings of CF, CM, and CB playing positions.

The motivating question is how center field positions (back, middle, and forward) compare three main skill areas: mental, physical, and technical. Mental, technical, and physical skill classes are defined here as the mean rating of attributes belonging to each skill class as defined by:

<https://www.fifauteam.com/fifa-19-attributes-guide/>.

Mean ratings for each skill category were compared across the CF, CM, and CB positions as well as age class (young, mid-young, mid-old, old) and rating class (low, medium, and high).

CM positions tend to have the highest mental and technical ratings. CF positions appear to have the highest level of physical skill. CB positions tend to be rated lowest across all skill classes.



## PART 2B

### Impact of Mental, Technical, and Physical on Overall Player Rating.

I wanted to understand how each of the skill classes (mental, technical, and physical) was related to a player's overall rating for CB, CM, and CF positions.

- Higher ratings in any of the three skill classes has a positive impact on a player's overall rating.
- The physical skill class has less of an impact on CB overall rating compared to CF and CM positions.
- The relationship between overall player rating and technical or mental ratings was similar (similar slopes). There is a consistent offset (bias) in the fitted linear models among the positions, with CF tending to have the highest overall ratings and CB tending to have the lowest overall ratings for any given technical or mental rating.

