

Insights Football Data

Q: Is Age a predictor for Goals and Cards?


Getting the data: accessibility

← → ↺ sportbible.com/football/reactions-news-take-a-bow-the-top-100-best-male-footballers-in-the-world-ranked-20190522 [Icons]

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FIFA 20 YouTuber Shows Off 'New Unstoppable Move' To Score Easy Goals From Open Play

Advert

 Microsoft Azure

Bouw en ontwikkel apps met Azure. Gratis tot je iets anders wilt.

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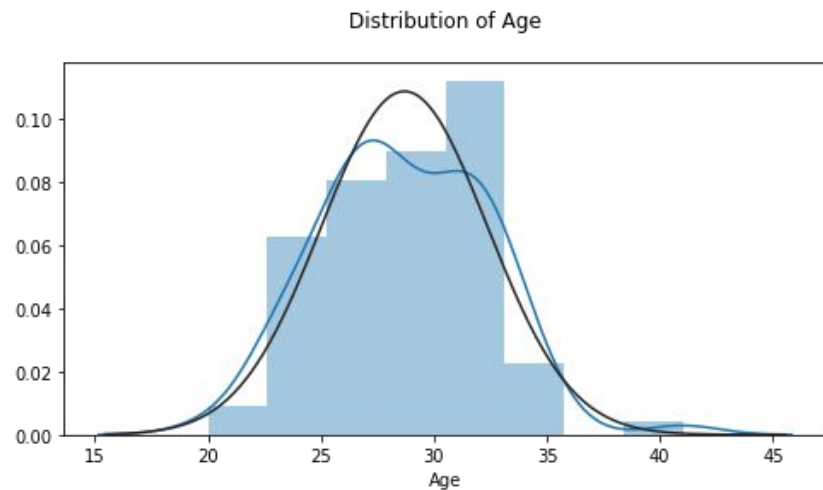
Modric on the ball. Image: PA

Here's the full-list from 1-100. Do you agree with the following picks? Any choices stand out?

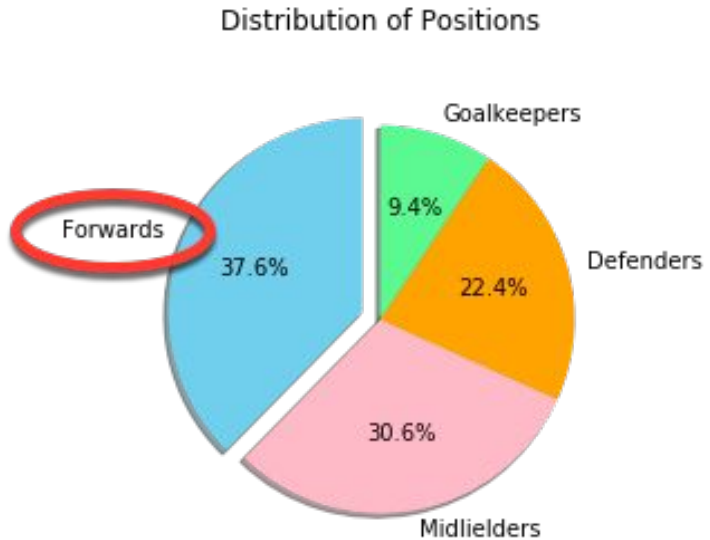
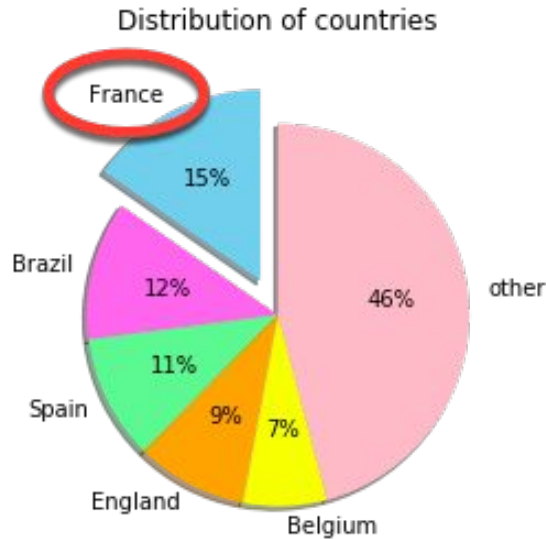
1. Luka Modric
2. Cristiano Ronaldo
3. Lionel Messi
4. Kylian Mbappe
5. Mohamed Salah
6. Antoine Griezmann

Descriptive statistics (1/2)

	count	mean	std	min	25%	50%	75%	max
player_age	85.0	28.694118	3.693700	20.0	26.0	28.000000	32.0	41.0
player_match_played	85.0	6.176471	2.450347	0.0	5.0	7.000000	8.0	9.0
player_goals	85.0	1.729412	2.238134	0.0	0.0	1.000000	2.0	12.0
player_red_cards	85.0	0.035294	0.185617	0.0	0.0	0.000000	0.0	1.0
player_yellow_cards	85.0	0.847059	1.118097	0.0	0.0	0.000000	1.0	5.0
profit	85.0	0.265836	0.312743	0.0	0.0	0.142857	0.5	1.5

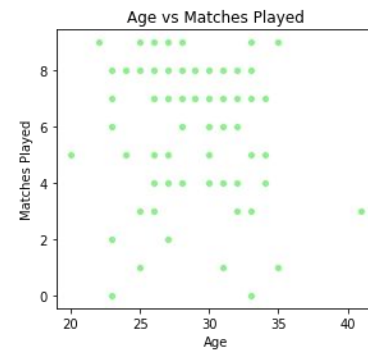
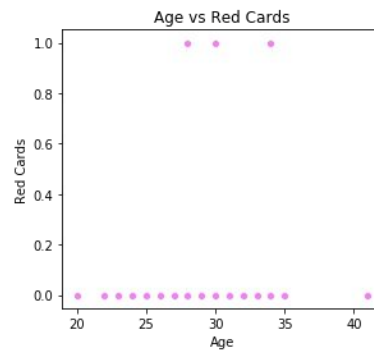
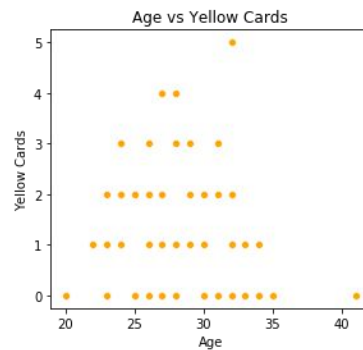
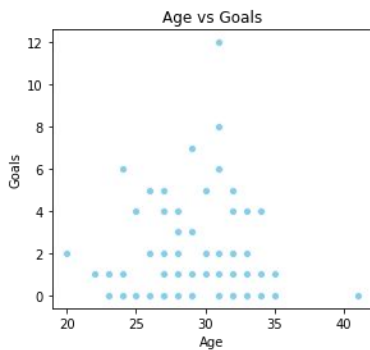


Descriptive statistics (2/2)



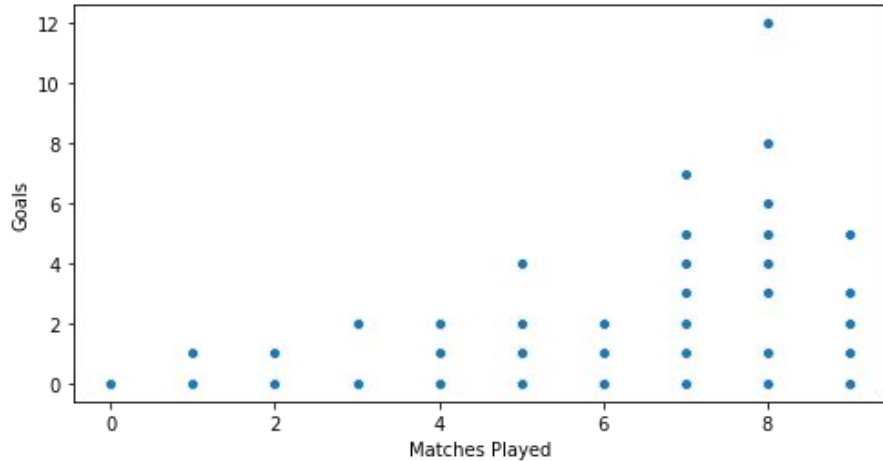
Predictor Age

	player_age	player_match_played	player_goals	player_red_cards	player_yellow_cards	profit
player_age	1.000000	-0.028163	0.020110	0.102752	-0.103705	0.062866
player_match_played	-0.028163	1.000000	0.334421	-0.066206	0.270683	0.115521
player_goals	0.020110	0.334421	1.000000	-0.062706	0.045110	0.907430
player_red_cards	0.102752	-0.066206	-0.062706	1.000000	0.026319	-0.043922
player_yellow_cards	-0.103705	0.270683	0.045110	0.026319	1.000000	0.008792
profit	0.062866	0.115521	0.907430	-0.043922	0.008792	1.000000

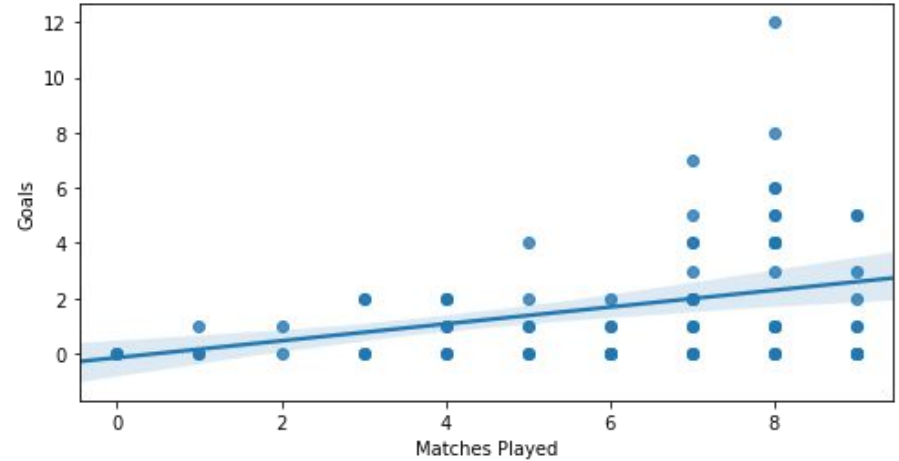


Matches Played vs Goals

Scatterplot Matches Played vs Goals



Regressionplot Matches Played vs Goals

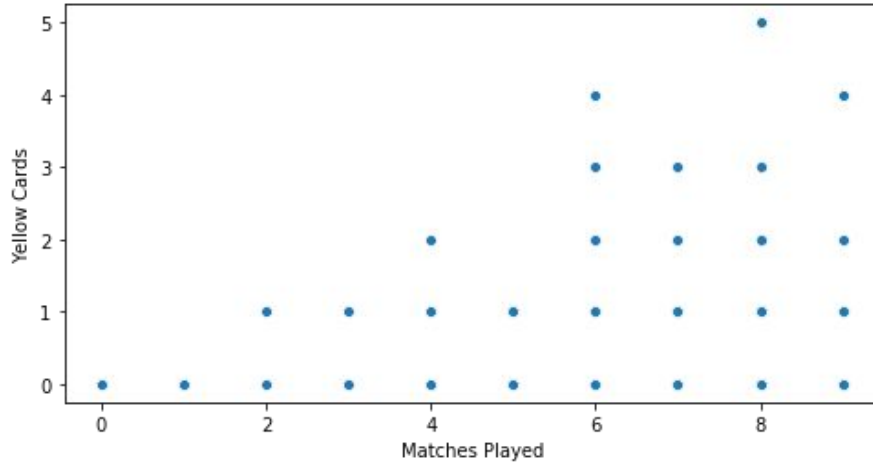


Regression: Goals = 0.305 -0.157 * Matches Played

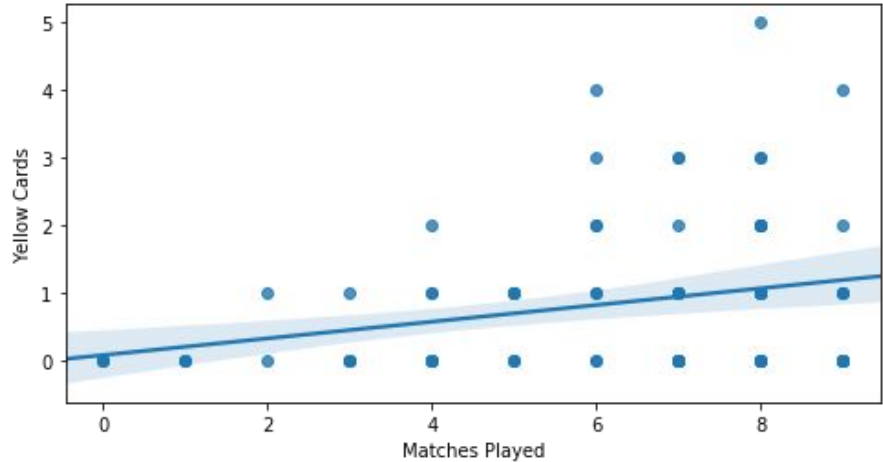
The std. error is small (0.094), this means that Matches Played is a good predictor for Goals

Matches Played vs Yellow Cards

Scatterplot Matches Played vs Yellow Cards



Regressionplot Matches Played vs Yellow Cards



Regression: Yellow Cards = $0.124 + 0.084 * \text{Matches Played}$

The std. error is small (0.048), this means that Matches Played is a good predictor for Yellow Cards

Conclusion

- Q1: Is Age a predictor for Goals and Cards?

No, age is not a good predictor for goals and cards

- Q2: Is Matches played a predictor for Goals and Cards?

Yes, matches played is a good predictor for goals and cards