Insights Football Data

Q: Is Age a predictor for Goals and Cards?

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Getting the data: accessibility

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

Distribution of Age

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Descriptive statistics (2/2)

Distribution of countries

France 15%
other 46%
Brazil 12%
Spain 11%
England 9%
Belgium 7%

Distribution of Positions

Goalkeepers 9.4%
Defenders 22.4%
Midlielders 30.6%
Forwards 37.6%

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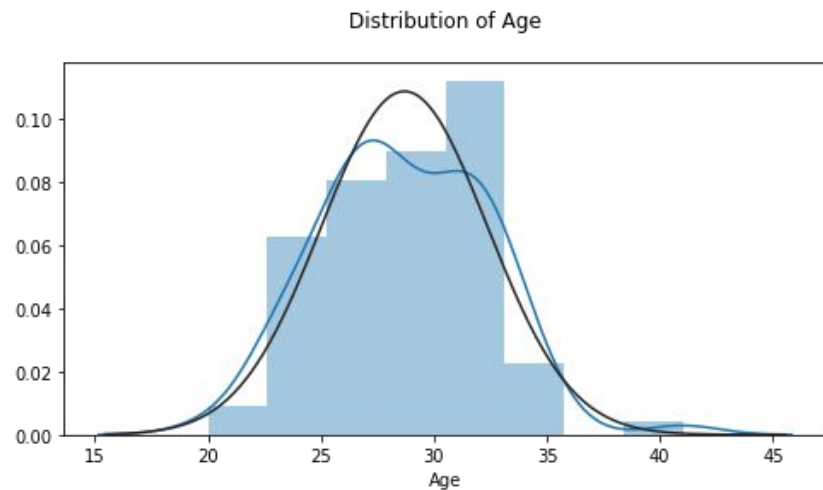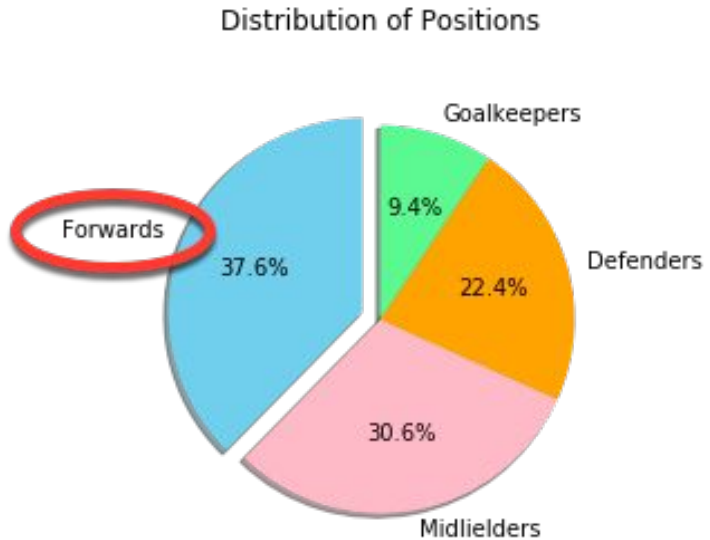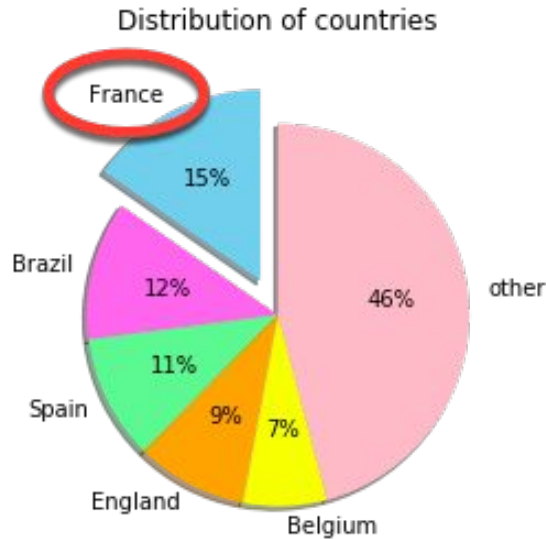
Predictor Age

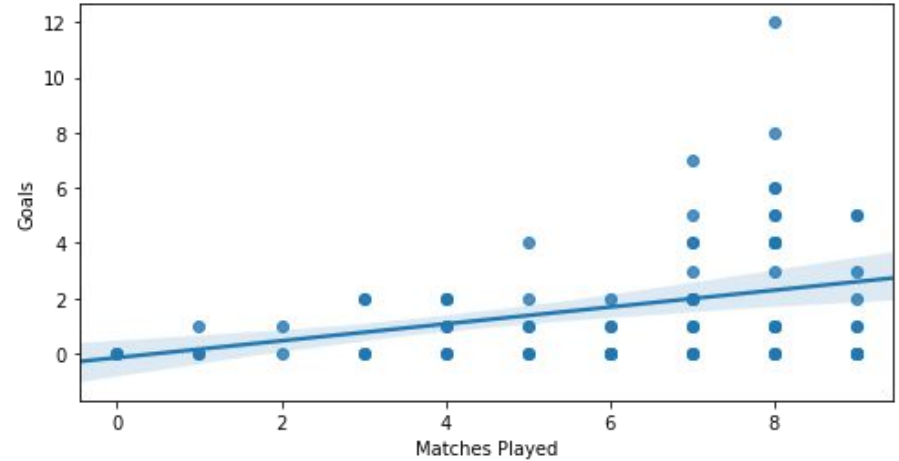|	player_age	player_match_played	player_goals	player_red_cards	player_yellow_cards	profit
player_age	1.000000	-0.028163	0.020110	0.102752	-0.103705	0.062866
player_match_played	-0.028163	1.000000	0.334421	-0.066206	0.270683	0.115521
player_goals	0.020110	0.334421	1.000000	-0.062706	0.045110	0.907430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

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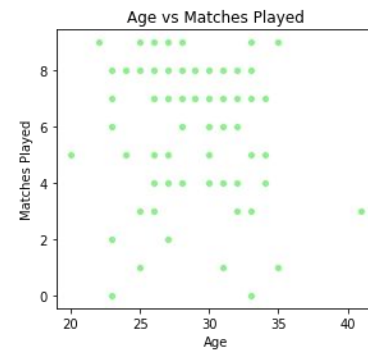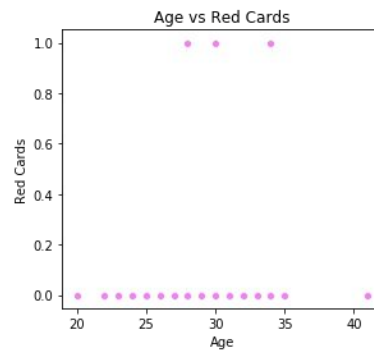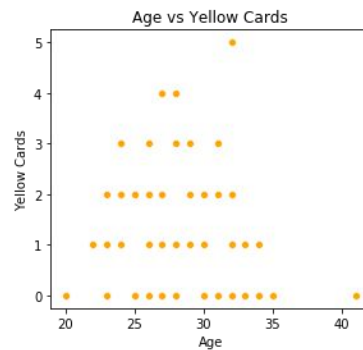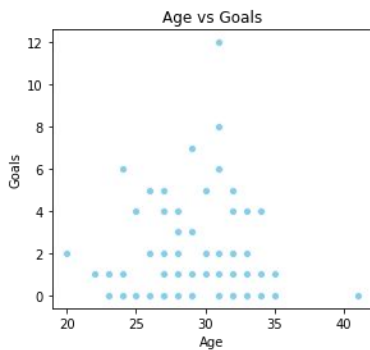
Matches Played vs Goals

Scatterplot Matches Played vs Goals
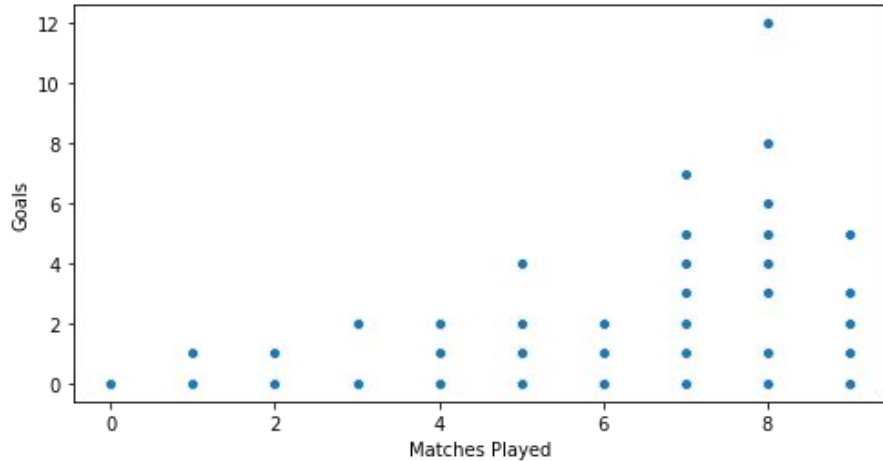
Regressionplot Matches Played vs Goals
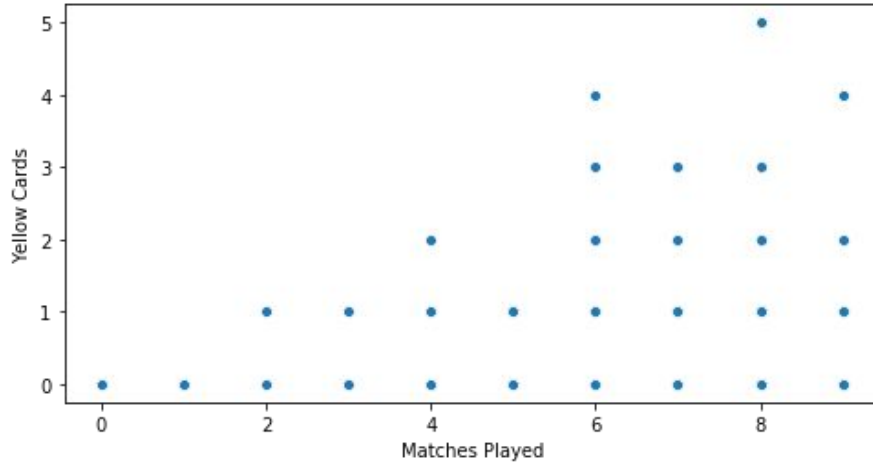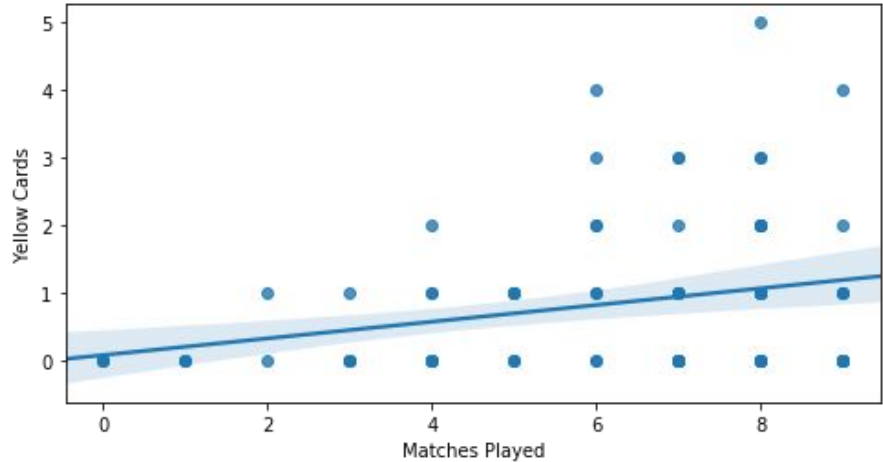
Regression: Goals = 0.305 -0.157 * Matches Played

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

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Matches Played vs Yellow Cards

Regression: Yellow Cards = 0.124 + 0.084 * Matches Played

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

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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