

Data Source:

<https://www.kaggle.com/karangadiya/fifa19>

About Data:

Data size: 18207 *88

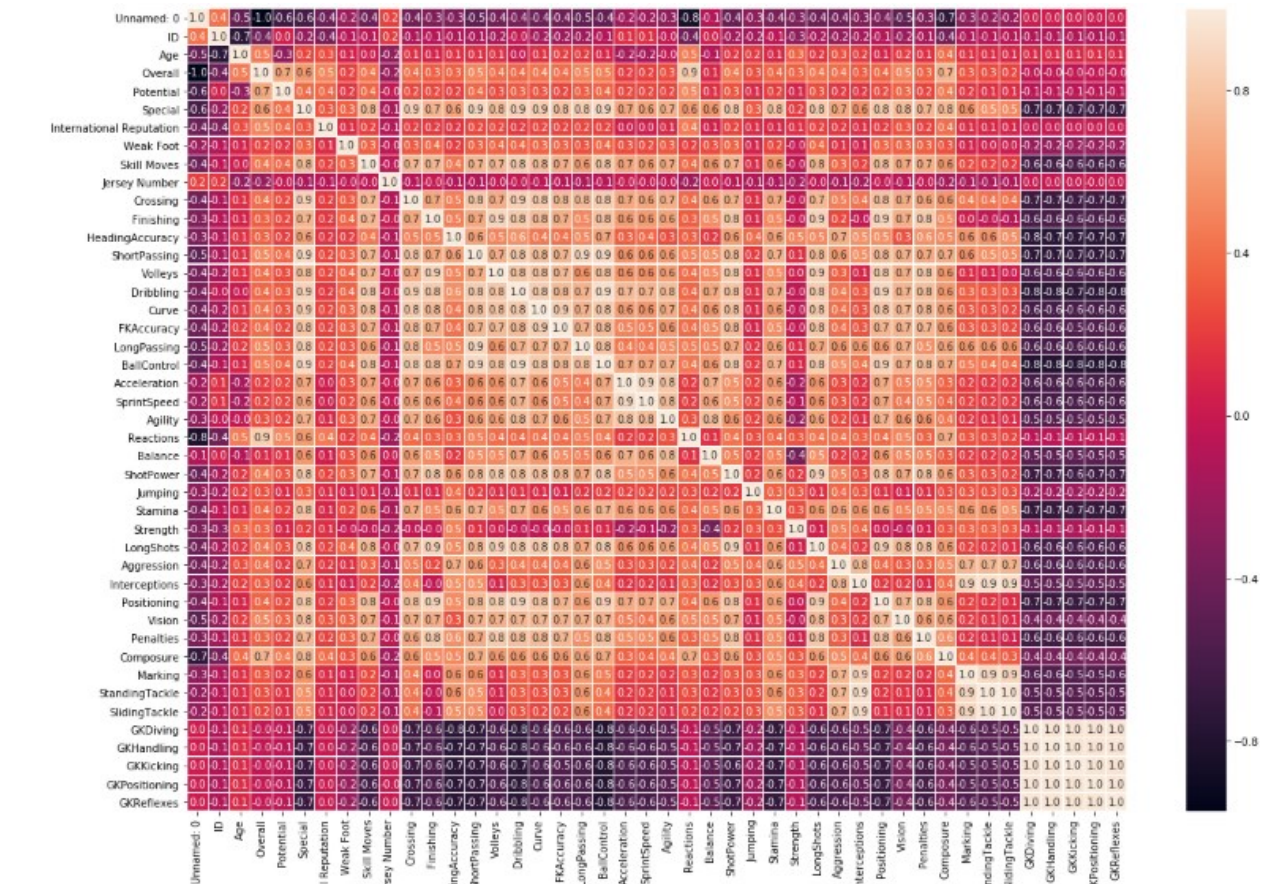
data.csv includes latest edition FIFA 2019 players attributes like Age, Nationality, Overall, Potential, Club, Value, Wage, Preferred Foot, International Reputation, Weak Foot, Skill Moves, Work Rate, Position, Jersey Number, Joined, Loaned From, Contract Valid Until, Height, Weight, LS, ST, RS, LW, LF, CF, RF, RW, LAM, CAM, RAM, LM, LCM, CM, RCM, RM, LWB, LDM, CDM, RDM, RWB, LB, LCB, CB, RCB, RB, Crossing, Finishing, Heading, Accuracy, ShortPassing, Volleys, Dribbling, Curve, FkAccuracy, LongPassing, BallControl, Acceleration, SprintSpeed, Agility, Reactions, Balance, ShotPower, Jumping, Stamina, Strength, LongShots, Aggression, Interceptions, Positioning, Vision, Penalties, Composure, Marking, StandingTackle, SlidingTackle, GKDividing, GKHandling, GK Kicking, GKPositioning, GKReflexes, and Release Clause.

Data Cleaning:

Here we only used attributes which are both not NULL and full.

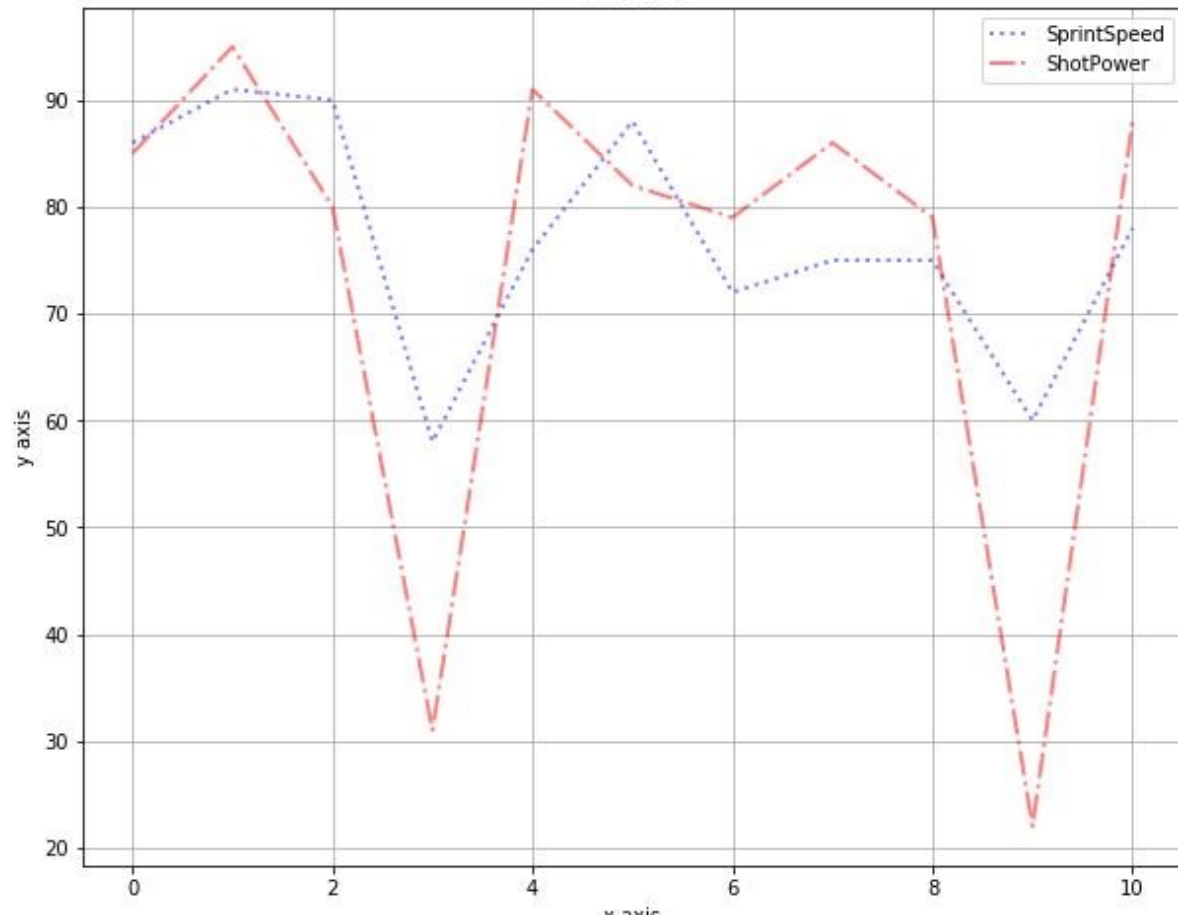
Questions:

1.What are the correlations between in attributes of fifa 19 dataset?



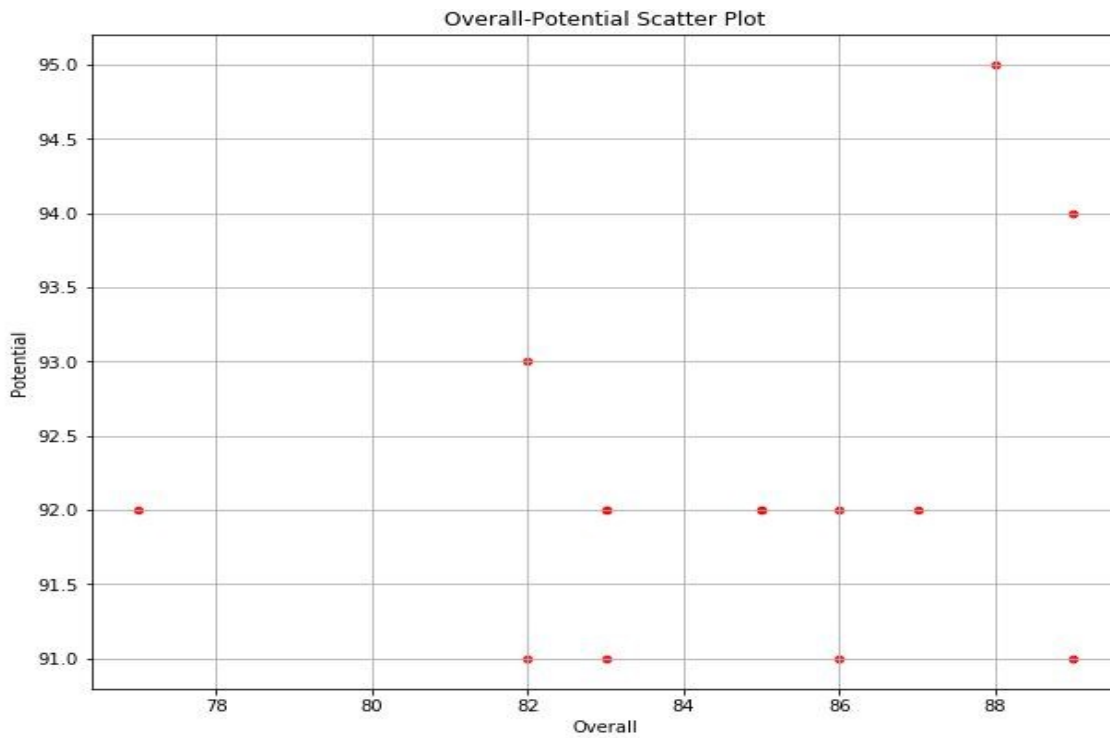
Here if we assume that correlation greater than equal 0.8 would be very interesting. Then we could say that to be a good penalty taker if he/she have to master finishing, dribbling, curve, ball control, long shots, poitioning and shot power well.

2. comparison between sprintSpeed and shotpower among top 11 players in Line Plot?



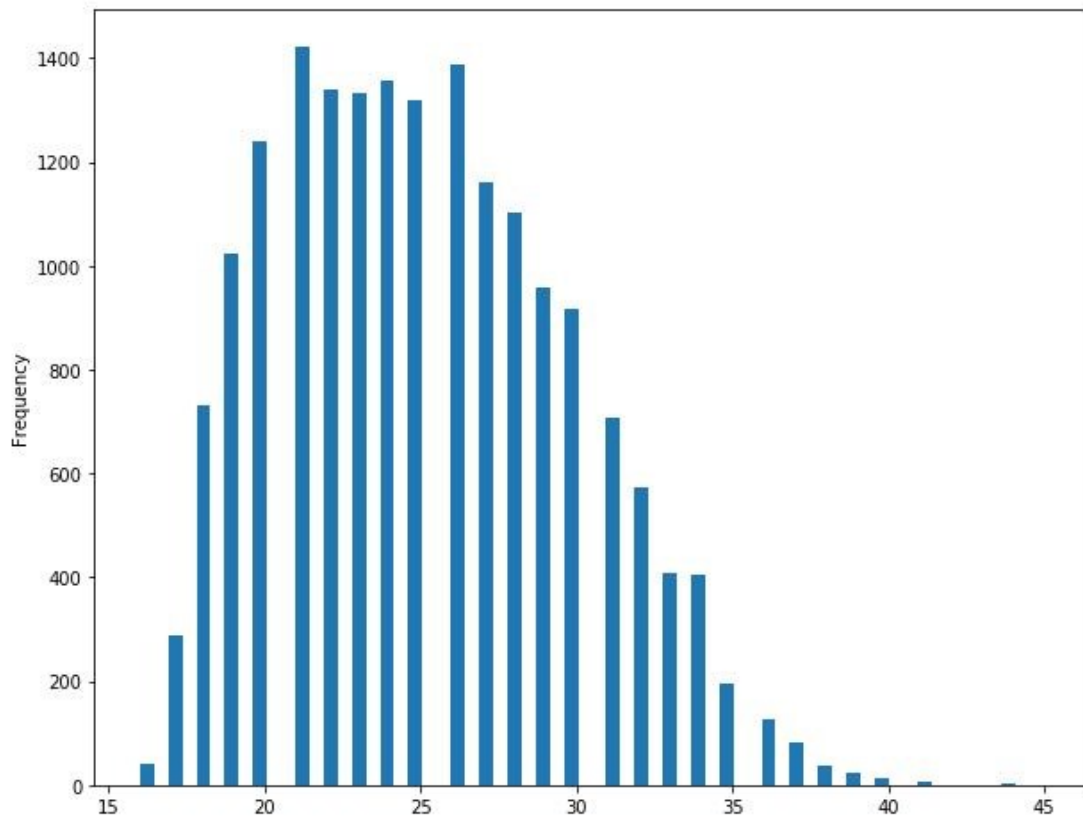
From here we could say that 3rd and 9th player among top 11 players are goalkeepers. That's why their sprintSpeed and shotPower are so much less than the others.

3. scatter plot between overall and potential who has potentia>90, overall>75 and age<25?



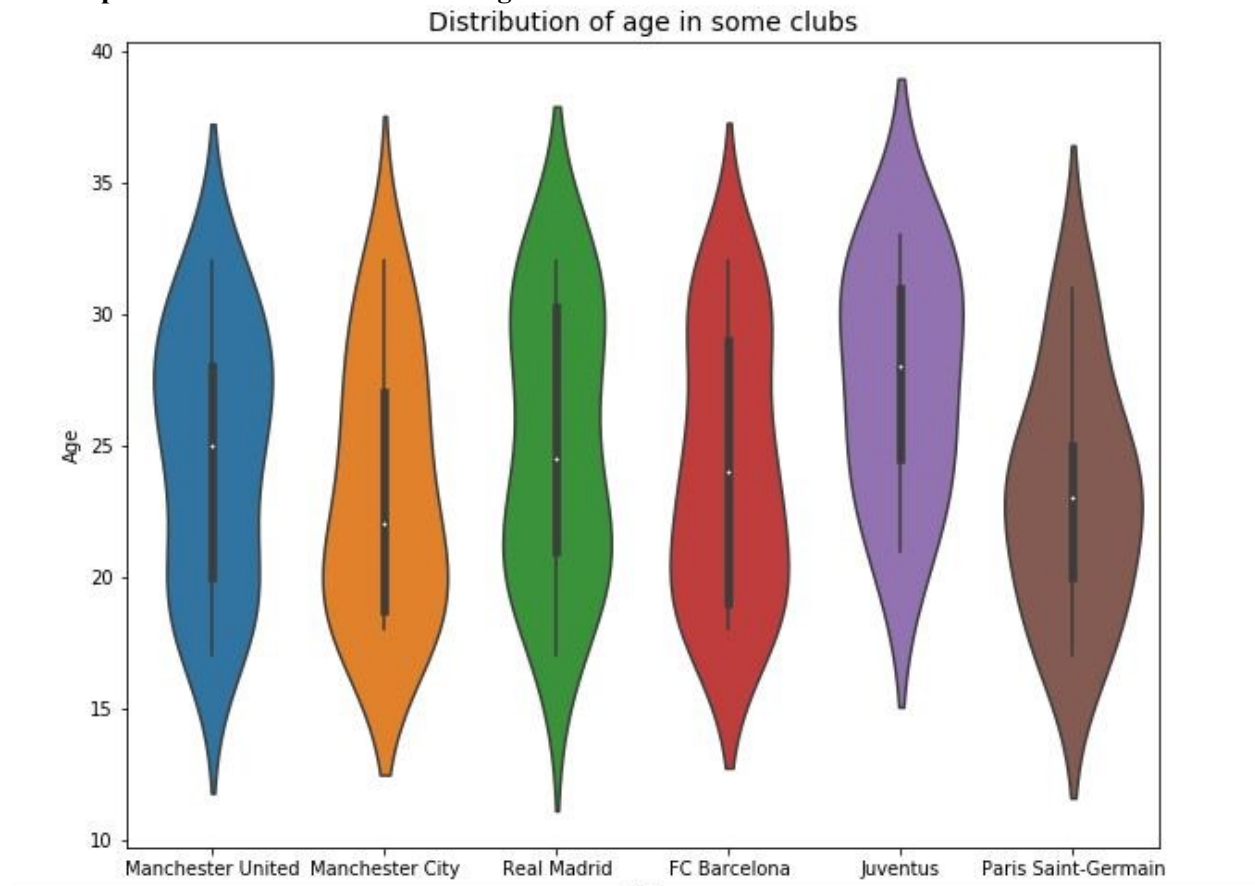
From here we could say that a player with very low overall has a great potential to be one of the greatest. This player is Vinícius Júnior age 17. For this young his overall is low. He has a great potential that's why he is playing with Real Madrid since 2018-2019 season.

4. Histogram of the whole data set age



From here we can see that most of the players age in fifa 19 is between 20 to 28.

5. Compare seven clubs in relation to age?



From here we could say that Juventus has the most players above 30 years. That justifies for their nickname old lady. In other hand PSG has the most amount of young players in their squad. That's why lack of experience of players are costing them in champions league early exits. On the other hand, Real Madrid and Barcelona has a nice blend of young and old squad members. Moreover, they are the most successful teams in recent years so could easily say that nice blend of young and old are the success of recipe in football.