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My statistics project is about researching the data of 7 soccer clubs. Because there are a lot of soccer clubs around all over the world, and I want to figure out whether the strength of the team and the club's salary related.

The reason why I choose this topic is that there are different winners in different competitions, but the points can show the general outcome of a football club through all competitions. Besides, the salary of each football club also have a huge gap between those clubs, so it is necessary to find the correlation between the athletes' salary and the points of a football club which shows their result of competitions.

My main topic question is if the salary have connection with a club's winning. And in my opinion, I think the club to pay a higher salary to the players, the level of the club will be higher which means the more point that a club has.

I will find the data from the website which will update the point in real time. I will choose the seven highest points of teams, and the average salary of these clubs, the reason why I choose the average salary is because the income gap between athletes is also great.

Introduction

My statistics project is about researching the data of 7 soccer clubs. Because there are a lot of soccer clubs around all over the world, and I want to figure out what is the best soccer team in the world.

The reason why I choose this topic is that there are different winners in different competitions, and it is possible to have different winners in competitions, and the salary of each football club also have a huge gap between those clubs, so it is necessary to find the correlation between the athletes' salary and the points of a football club which shows their result of competitions. and we can also find why do football clubs pay so much for the players.

My main topic question if the salary have connection with a club's winning. And in my opinion, I think the club to pay a higher salary to the players, the level of the club will be higher which means the more point that a club has. And I also want to know that the various clubs to pay to the players so much money whether if it is worth it, besides, I will also find the relationship between the integral on the chart and the payment of football players.

I will find the data from the website which will update the point in real time. I will choose the seven highest points of teams, and the average salary of these clubs, the reason why I choose the average salary is because the income gap between athletes is also great.

Conclusion

Generally, we can find the points on chart of the top7 football clubs don't have too much difference, and the variance and the standard deviation shows that the level of these clubs are almost the same, but for the weekly wages of these football have a huge gap. But when we find the correlation between the points and the weekly wages of these clubs, though it is weak positive correlation, but we can still find that the trend of payments is increasing when a points of clubs become higher.

I think my hypothesis is right, although the connection is not too closed. And I can also find Real Madrid is a good football club that is also the No.1 on the chart and doesn't pay the highest in these 7 teams. Besides there are a lot of factors about the players and so on that could influence the weekly wages and the points of a team. So that the only factor wages doesn't have strong positive correlation with the win rate.

The bias that I have through my study is sampling bias, because there are a lot of football clubs around all over the world, but the sample in my study are the best teams in the world, and these teams would also have huge difference with other teams. And the number of the data is too small, so that it might have mistake on my result, and it is also hard to find the connection between the factors and results.

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