

The relationship between age and potential of FIFA 19 members

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1. Introduction

So far, the members of FIFA 19 have still achieved a lot of fame and awards as football players. The official website correlates the personal information of each member with their active performance in football matches, and the data is collected and published online. Although we have access to these data, it is difficult to understand the official analysis of these data under normal circumstances. As a small enlightenment to the analysis of FIFA 19 member data, I have done an analysis of the age and potential of some members here.

2. Method

In this research, I divided the main system into two, used four types of charts in total, and designed five visual performance charts. In System 1 (Fig.1), I used barchart to assign corresponding colors to all members. Each member's name corresponds to a color. This is a classification chart, so the value is 1. After that, I used bubblechart, the horizontal axis represents the age of the members, the vertical axis represents the prominence of the members, and each circle on the graph corresponds to a member, and the radius of the circle represents the potential of the member. As long as you select a member of the chart on the barchart, the analysis indicators of the member can be separately displayed on the bubblechart. In System 2, I used linechart to draw a linear depiction of the relationship between member age and potential. The abscissa is age and the range is 17-33. The ordinate is the potential, and the range is 84-95. After that, I used a scatterplot to make a point set distribution of member age and potential (equivalent to removing the line of the linechart). Mouse over each point to display the member's age and potential data. And use another scatterplot to make a histogram of the potential indicators of the members to show clearly. The horizontal axis is the member's potential value, and the vertical axis shows the name of each member. You can interact with the sorting of the chart in ascending and reverse order.

3. Result

I used the official data of some members in 2019 to visualize the data distribution of members' age and potential.

FIFA 19 Player Dataset

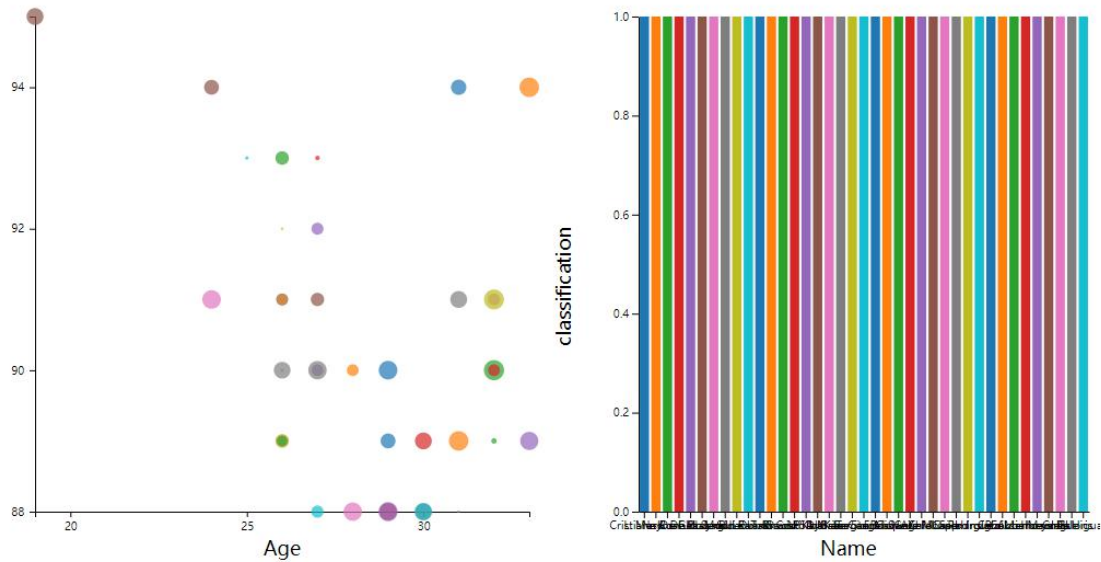


Fig.1 system1 BubbleChart & BarChart

FIFA 19 Player Dataset

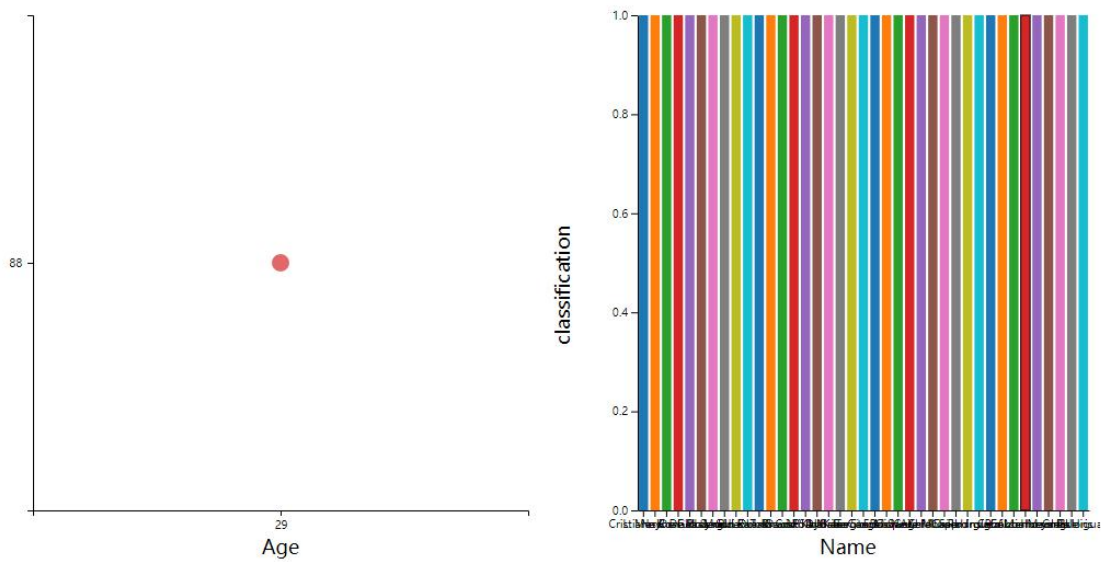


Fig.2 system1

The color information of the members (on the right) corresponds to the age, potential and expressiveness of each member (on the left)

FIFA 19 Player Dataset

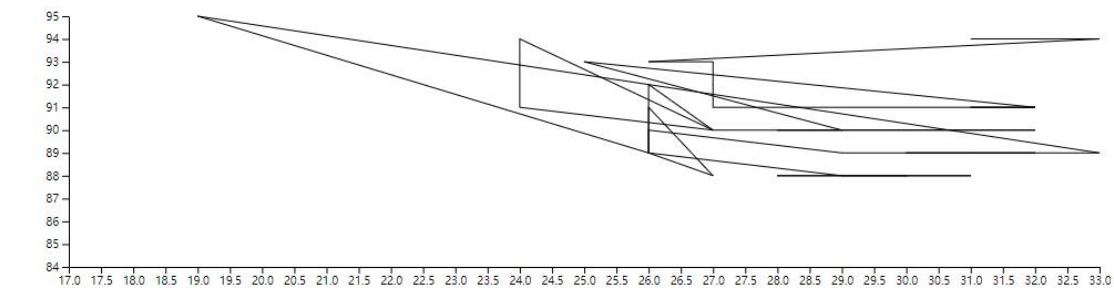


Fig.3 system2- LineChart

Reverse Ascend

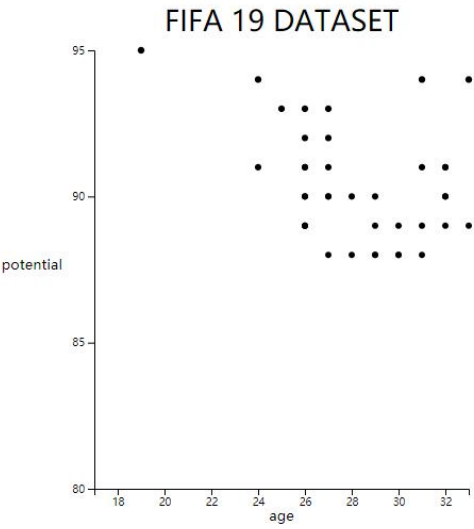
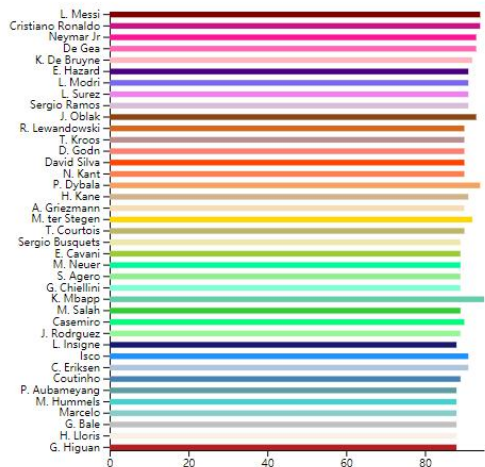


Fig.4 system2 - ScatterChart

Reverse Ascend

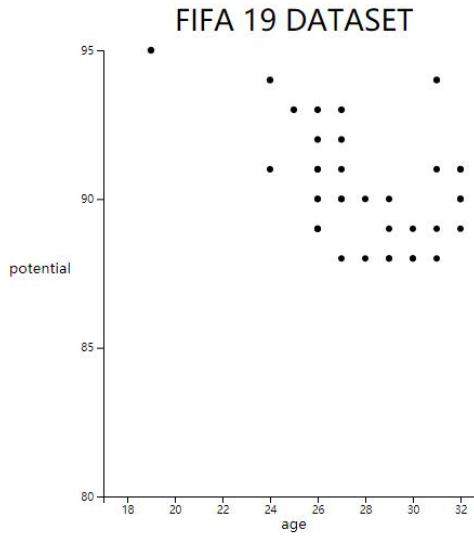
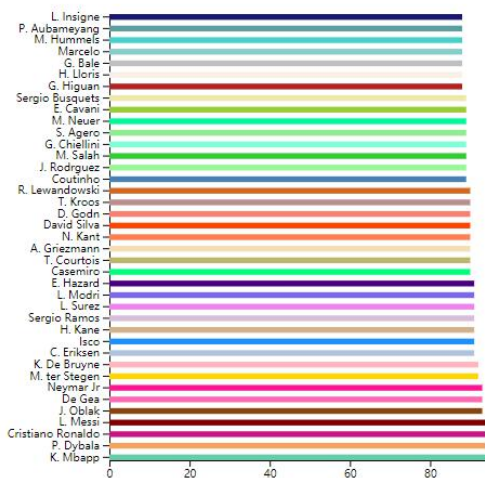


Fig.5 system2 - Implement ascending interaction

From the histograms of Fig.1 ~ Fig.5, the distribution of age and potential is not linearly related. This shows that the age of the members has nothing to do with their potential, but it can be observed that most members are in the 24-32 age distribution. In addition, members who are older or younger have higher potential value.

4. Discussion

From the results of the survey, It can be concluded that the age and potential value of FIFA 19 members are not significantly related, but there are subtle features. Feature 1 is generally observed that the potential among members is relatively equal. However, feature 2 is that members with low potential values are often within the more common age distribution range of 24-32. Outside of this average age range, members with more significant potential values are younger or older.

5. Conclusion

In conclusion, there is no obvious relationship between the age and potential of FIFA 19 members within the average age range. The greater the average age range, the greater the potential. And the closer you are to the center of the average age range, the greater the chance of a member with a lower potential.

6. Reference

[1] FIFA 19 データセット <https://www.kaggle.com/karangadiya/fifa19> 2021/06/13 アクセス