FOOTBALL FORECAST

Java Project By Dynamic Developers

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OUR BIG IDEA

Football Forecast is an application that offers predictions of football results. The predictions are based on statistical data of previous matches as well as the latest on going match statistics.

Why this project ?

In many real-life sports games, spectators are interested in predicting the outcomes and watching the games to verify their predictions. Belonging to the same audience we decided to develop an app which can help us predict results of an ongoing football match.

How is it applied?

Forecasting is the process of predicting the future values based on historical data and analyzing the trend of current data. Processing powers of computers nowadays have become powerful enough to process large amount of data. By running simulations of future states based on present states, we can foresee the trend of football match.

Why is it applied?

Traditional approaches include subjective prediction, objective prediction, and simple statistical methods. However these approaches may not be too reliable in many situations. Here, we present a KNN (K- Nearest Neighbors) approach, which makes predictions based on a combination of four different measures on the historical results of the games.

Usability

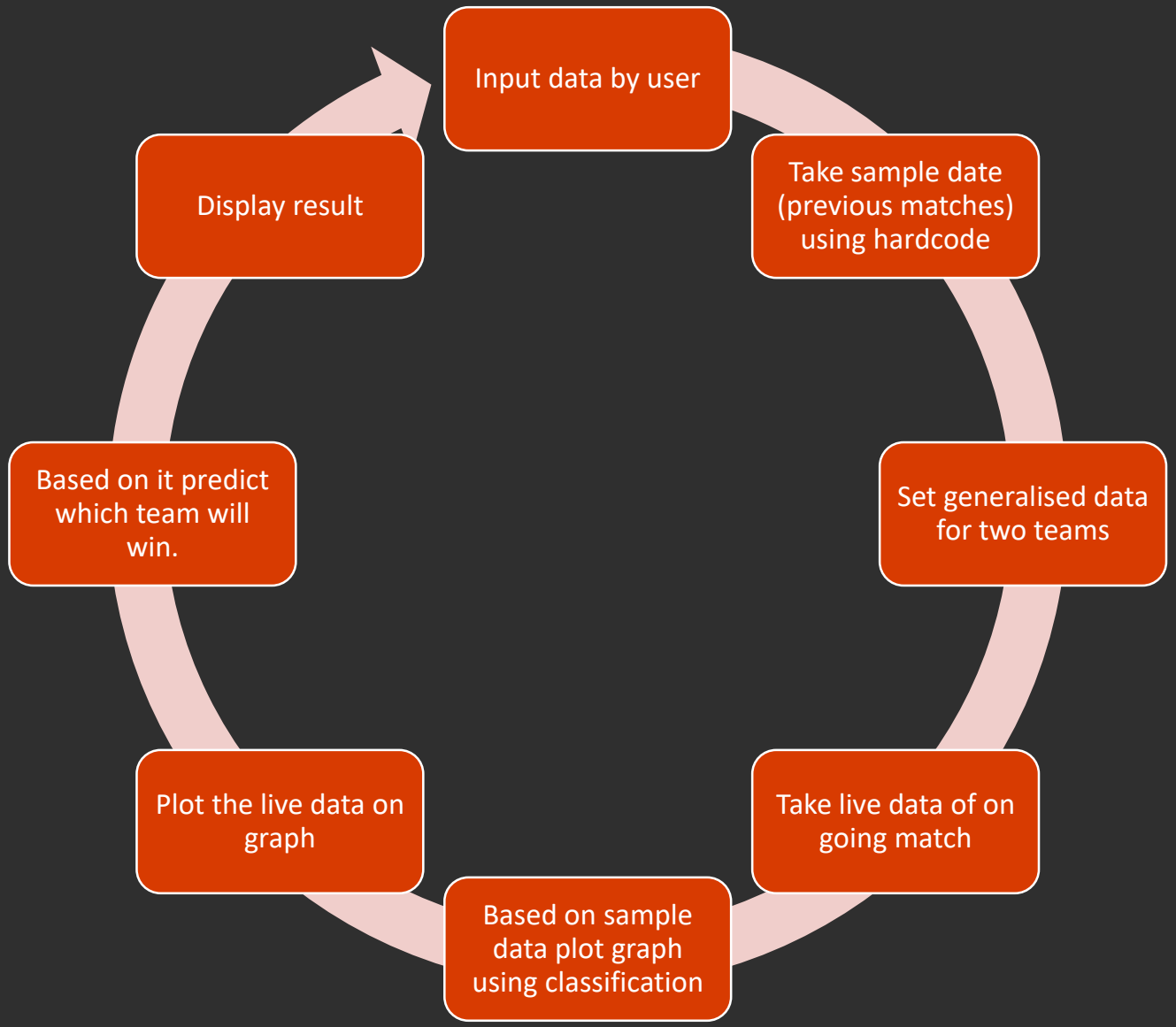
Reduces time to perform specific functions

Predicts on the bases of historic as well as current data set

User friendly application

Gives fair results even though the predictions are not 100% accurate.

flowchart


Input data by user
Take sample date (previous matches) using hardcode
Set generalised data for two teams
Take live data of on going match
Based on sample data plot graph using classification
Plot the live data on graph
Based on it predict which team will win.
Display result

LEARNING

We developed a strong understanding of data classification using K nearest neighbor plotting

Programming on Java NetBeans and JFrame modules

The backend programming using java

Implementation issues

- The application isn’t fully functional yet
- The results are not 100% accurate
- As the number of variables grow K-NN algorithm struggles to predict the output of new data point

Thank you