Predict whether a player is selected

Sportsmanship comes in many forms and helps make competitive games fun and enjoyable. Being a good sport fosters good habits and positive life skills both in and out of sports games and is an important life skill for people of all ages. Apart from this it is also important that a sportsperson is fit (specific fitness parameters apply to specific sports to allow them to contribute maximum towards the sport

**Task**

You work for a sports institution. There is a national-level competition next month and you must select players based on fitness level behavioural aspects physical parameters etc.

Predict whether a player will be selected based on the features provided in the dataset

**Data description**

The dataset folder contains the following files:

train.csv: 18659 x 30

test.csv: 4665 x 29

sample submission.csv: 5 x 2

The columns present in the dataset are as follows:

|  |  |
| --- | --- |
| **Column name** | **Column description** |
| player\_id | Represents a unique identification number of a player |
| name | Represents the name of a player |
| age | Represents the age of a player |
| gender | Represents the gender of a player |
| country | Represents the country that a player belongs to |
| height | Represents the height of a player |
| weight | Represents the weight of a player |
| ball\_controlling\_skills | Represents a skill of a player |
| body\_reflexes | Represents a skill of a player |
| body\_balance | Represents a skill of a player |
| Jumping\_skills | Represents a skill of a player |
| penalties\_conversion\_rate | Represents a skill of a player |
| mental\_strength | Represents the mental strength of a player |
| goalkeeping\_skills | Represents a skill of a player |
| defending\_skills | Represents a skill of a player |
| passing\_skills | Represents a skill of a player |
| dribbling\_skills | Represents a skill of a player |
| shot\_accuracy | Represents a skill of a player |
| body\_strength\_stamina | Represents a body strength of a player |
| max\_running\_speed | Represents a skill of a player |
| strong\_foot | Represents a skill of a player |
| behaviour\_rating | Represents the behavioural rating of a player |
| matches\_played | Represents the total number of matches played by a player |
| fitness\_rating | Represents the fitness rating of a player |
| trophies\_won | Represents the number of games a player has won |
| dedication level | Represents the dedication level of a player |
| coaching | Represents the institute where a player was coached |
| years\_of\_experience | Represents the year of experience of a player |
| no\_of\_disqualifications | Represents the number of games in which a player was disqualified because of behavioural misconduct |
| selection | Represents whether a player is selected |

Evaluation metric score = max(0, 100\*metrics.f1\_score(actual, predicted))

**Result submission guidelines:**

• The indexes are "player\_id"\_

• The target is the "selection" column.

• The submission file must be submitted in .csv format only.

• The size of this submission file must be 4665 x 2.

**Notes:**

Ensure that your submission file contains the following:

Correct index values as per the test file

Correct names of columns as provided in the sample\_submjssion.csv file