Name-Srushti Ghadge

Roll no-861

PRN-202201090125

Batch-H3

EDS activity

Assignment no 1

- 1) Find the statistical Analysis on Cricket Data (Run_Averate_Strike) dataset (Refer Data Set 6)
 - a. Find the batsman who is having maximum strike rate
 - b. Find the batsman who scored the minimum runs
 - c. Find the average ball played by all the batsman
 - d. Find the batsman who out minimum time in the match
 - e. Clean the dataset if record is empty with 0 values or delete incomplete data row
 - f. Find the all the records of batman who's strike rate is greater than 120
 - g. Find the all records who's average is below 20

CODE:-

```
import pandas as pd
df=pd.read_csv('/dataset6.csv')
batsman1=df.groupby('batsman')['strikerate'].sum().idxmax()
print("The batsman with maximum strike rate is:",batsman1)

batsman2=df.groupby('batsman')['total_runs'].min().idxmin()
print("The batsman with minimum run score is:",batsman2)

avgball=df.groupby('batsman')['numberofballs'].sum().mean()
print("The average of balls played by all the batsman is:",avgball)

batsman3=df.groupby('batsman')['out'].min().idxmin()
print("The batsman with minimum number of outs is:",batsman3)
```

```
print("Records with strike rate greater than 120 is:
\n",df[(df['strikerate']>120)])

print("Records with average less than 20 is:
\n",df[(df['average']<20)])

df1=pd.read_csv('/dataset6_1.csv')
df2=df1.dropna(axis=1)
print("The dataset with deleted rows is:\n",df2)</pre>
```

OUTPUT:-

