

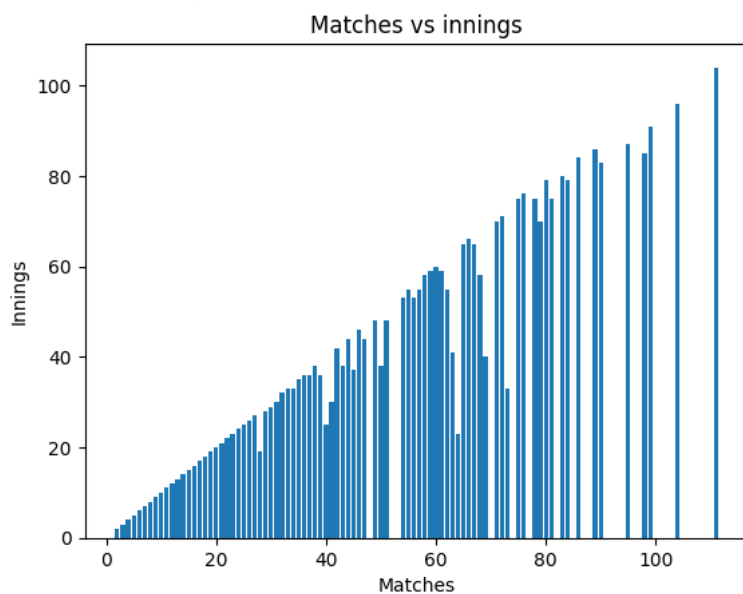
```
''' EDS MINOR PROJECT
PLAYERS DATA SET
324 - YASH KANNAWAR
325 - YASH KATKHADE
341 - PARTH PANCHBHAI'''
```

```
import pandas as pd
import matplotlib.pyplot as plt
df=pd.read_csv('/content/Players Data set.csv')
```

```
<function print>
```

```
plt.bar(df['Mat'], df['Inns'])
plt.title('Matches vs innings')
plt.xlabel('Matches')
plt.ylabel('Innings')
```

```
Text(0, 0.5, 'Innings')
```

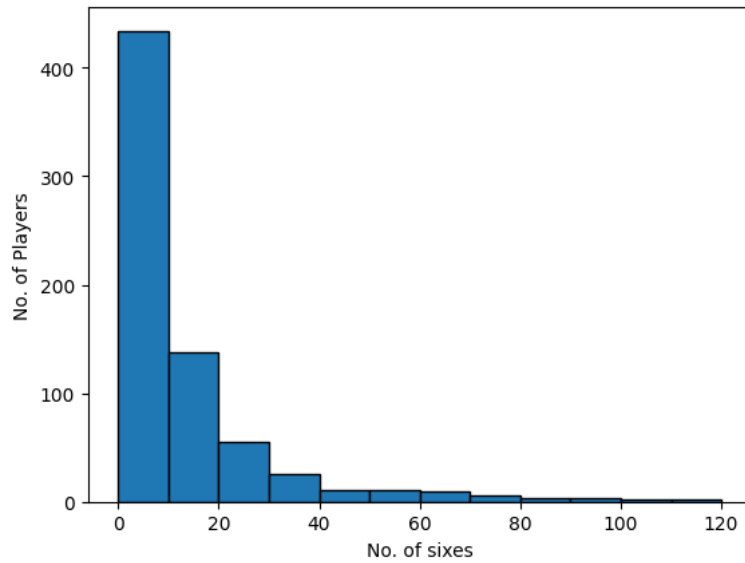


```
matches=df['Mat'].tolist()
matches=set(matches)
matches=list(matches)
noofplayers=[]
for i in range(len(matches)):
    a=df.groupby('Mat').get_group (matches[i])
    b=len(a)
    noofplayers.append(b)
plt.plot(matches, noofplayers)
plt.xlabel('Matches')
plt.ylabel('No. of Players')
```

```
Text(0, 0.5, 'No. of Players')
```

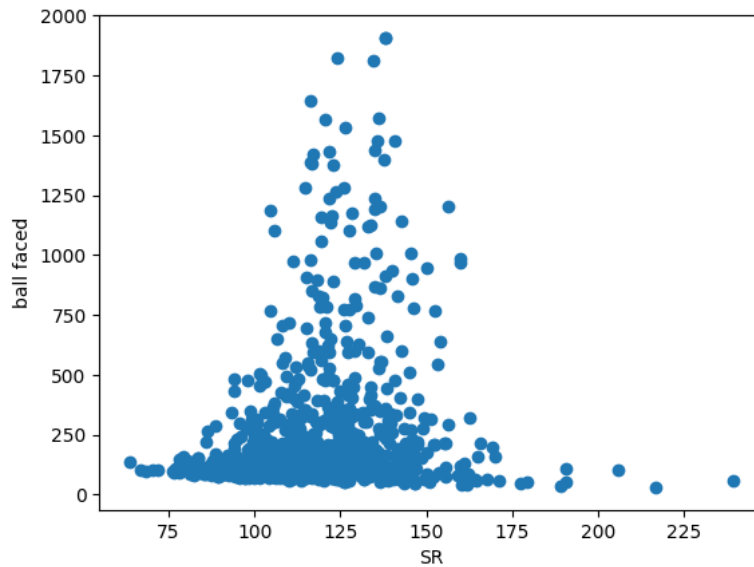
```
b=df['6s']
plt.hist(b,bins=12, edgecolor='black')
plt.xlabel('No. of sixes')
plt.ylabel('No. of Players')
```

```
Text(0, 0.5, 'No. of Players')
```



```
d=df['ball faced']
e=df['SR']
plt.scatter(e,d)
plt.ylabel('ball faced')
plt.xlabel('SR')
```

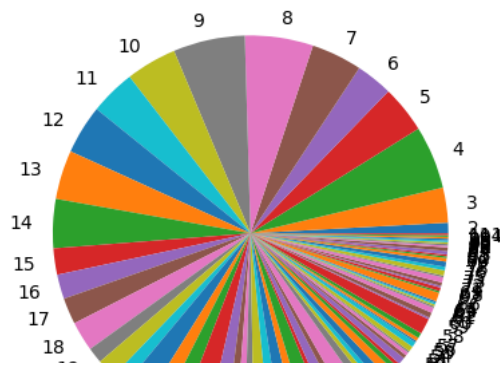
```
Text(0.5, 0, 'SR')
```



```
year=df['Mat'].tolist()
year=set(year)
year=list(year)
noofmodels=[]
for i in range(len(year)):
    a=df.groupby('Mat').get_group(year[i])
    b=len(a)
    noofmodels.append(b)
plt.pie(noofmodels, labels=year)
plt.title('Chart Matches played by players')
```

Text(0.5, 1.0, 'Chart Matches played by players')

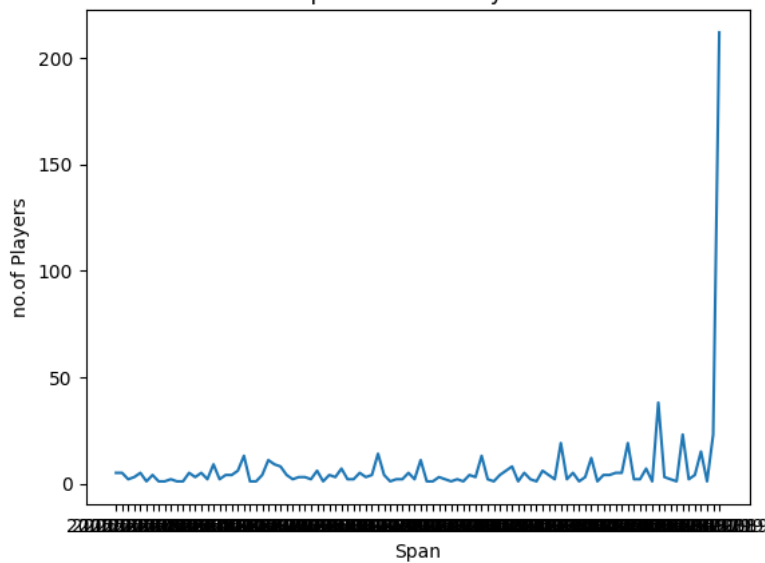
Chart Matches played by players



```
d=df['Span'].tolist()
d=set(d)
d=list(d)
d.sort()
accelerate=[]
for i in range(len(d)):
    a=df.groupby('Span').get_group(d[i])
    b=len(a)
    accelerate.append(b)
plt.plot(d, accelerate)
plt.title('Span vs No of Players')
plt.xlabel('Span')
plt.ylabel('no.of Players')
```

Text(0, 0.5, 'no.of Players')

Span vs No of Players



```
df.loc[df["Mat"].max()]
```

```
Unnamed: 0      11
Player      DR Smith (WI)
Span      2006-2015
Mat          33
Inns         32
Not out        0
Runs         582
HS            72
Ave          18.18
ball faced    474
SR          122.78
100           0
50             3
0              1
4s             62
6s             31
Unnamed: 15      NaN
Name: 111, dtype: object
```

✓ 0s completed at 12:20 PM

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