Code:

import pandas as pd

import matplotlib.pyplot as plt

data = pd.read\_csv('dataset6.csv')

*# Extract the required columns*

batsmen = data['batsman']

total\_runs = data['total\_runs']

average = data['average']

strike\_rate = data['strikerate']

*#Total Runs*

plt.figure(*figsize*=(10, 6))

plt.bar(batsmen, total\_runs)

plt.xticks(*rotation*=90)

plt.xlabel('Batsmen')

plt.ylabel('Total Runs')

plt.title('Total Runs of Batsmen')

plt.tight\_layout()

plt.show()

*#Average*

plt.figure(*figsize*=(10, 6))

plt.plot(batsmen, average, *marker*='o')

plt.xticks(*rotation*=90)

plt.xlabel('Batsmen')

plt.ylabel('Average')

plt.title('Batting Average of Batsmen')

plt.tight\_layout()

plt.show()

*#Strike Rate*

plt.figure(*figsize*=(10, 6))

plt.scatter(batsmen, strike\_rate, *marker*='o')

plt.xticks(*rotation*=90)

plt.xlabel('Batsmen')

plt.ylabel('Strike Rate')

plt.title('Strike Rate of Batsmen')

plt.tight\_layout()

plt.show()

*#runs distribution*

plt.figure(*figsize*=(8, 8))

plt.pie(total\_runs, *labels*=batsmen, *autopct*='%1.1f%%')

plt.title('Total Runs Distribution')

plt.tight\_layout()

plt.show()

*#batting average distribution*

plt.figure(*figsize*=(10, 6))

plt.hist(average, *bins*=10, *edgecolor*='black')

plt.xlabel('Average')

plt.ylabel('Count')

plt.title('Distribution of Batting Average')

plt.tight\_layout()

plt.show()

*#top 5 with most runs*

top5\_runs = data.nlargest(5, 'total\_runs')

plt.figure(*figsize*=(10, 6))

plt.bar(top5\_runs['batsman'], top5\_runs['total\_runs'])

plt.xlabel('Batsmen')

plt.ylabel('Total Runs')

plt.title('Top 5 Batsmen with the Most Runs')

plt.tight\_layout()

plt.show()

OUTPUT:











