```python
import pandas as pd
import matplotlib.pyplot as plt


file_path = r"C:\Users\anuj2\Downloads\Untitled spreadsheet - Sheet1.csv"
kohli_stats = pd.read_csv(file_path)


kohli_stats.columns = kohli_stats.columns.str.strip()


kohli_stats['formart'] = kohli_stats['formart'].astype(str).fillna('Unknown')


print("Column names:", kohli_stats.columns)


total_runs = kohli_stats['runs'].sum()
total_matches = kohli_stats['matches'].sum()

print("\nTotal Runs across all formats:", total_runs)
print("Total Matches across all formats:", total_matches)


plt.figure(figsize=(10, 6))
plt.bar(kohli_stats['formart'], kohli_stats['runs'], color='orange')
plt.title("Virat Kohli's Runs by Format")
plt.xlabel("Format")
plt.ylabel("Total Runs")
plt.show()


fig, ax1 = plt.subplots(figsize=(10, 6))

ax1.bar(kohli_stats['formart'], kohli_stats['average'], color='blue', alpha=0.6, label='
ax2 = ax1.twinx()
ax2.plot(kohli_stats['formart'], kohli_stats['strike rate'], color='green', marker='o',

ax1.set_xlabel('Format')
ax1.set_ylabel('Average', color='blue')
ax2.set_ylabel('Strike Rate', color='green')
plt.title("Virat Kohli's Batting Average & Strike Rate by Format")
fig.legend(loc="upper left", bbox_to_anchor=(0.15, 0.85))
plt.show()


print("\n🎉 Happy 36th Birthday to the Run Machine, Virat Kohli! 🏏")
print("Celebrating his incredible career with a look at his records across all formats."
print("Created by a kohli sexual.")
```
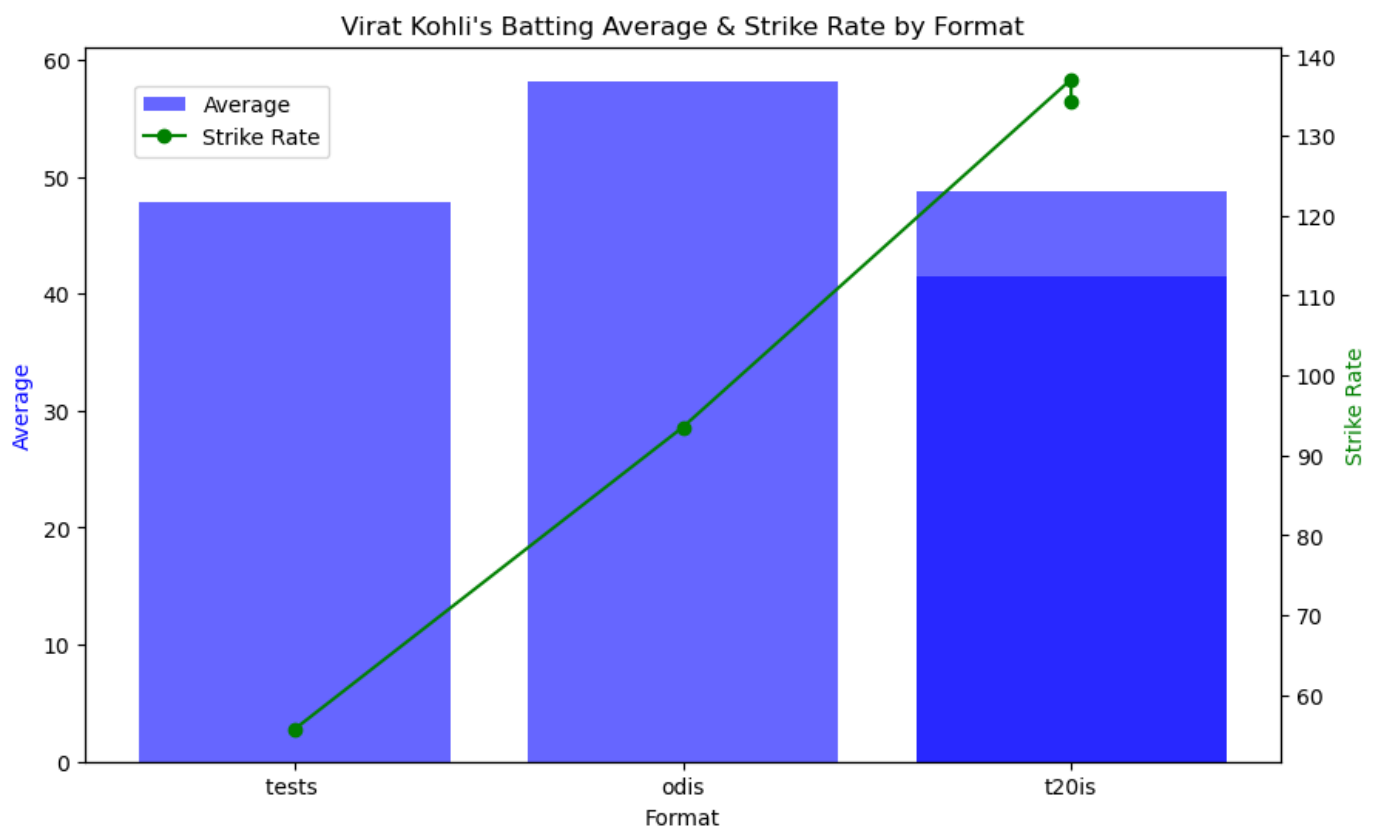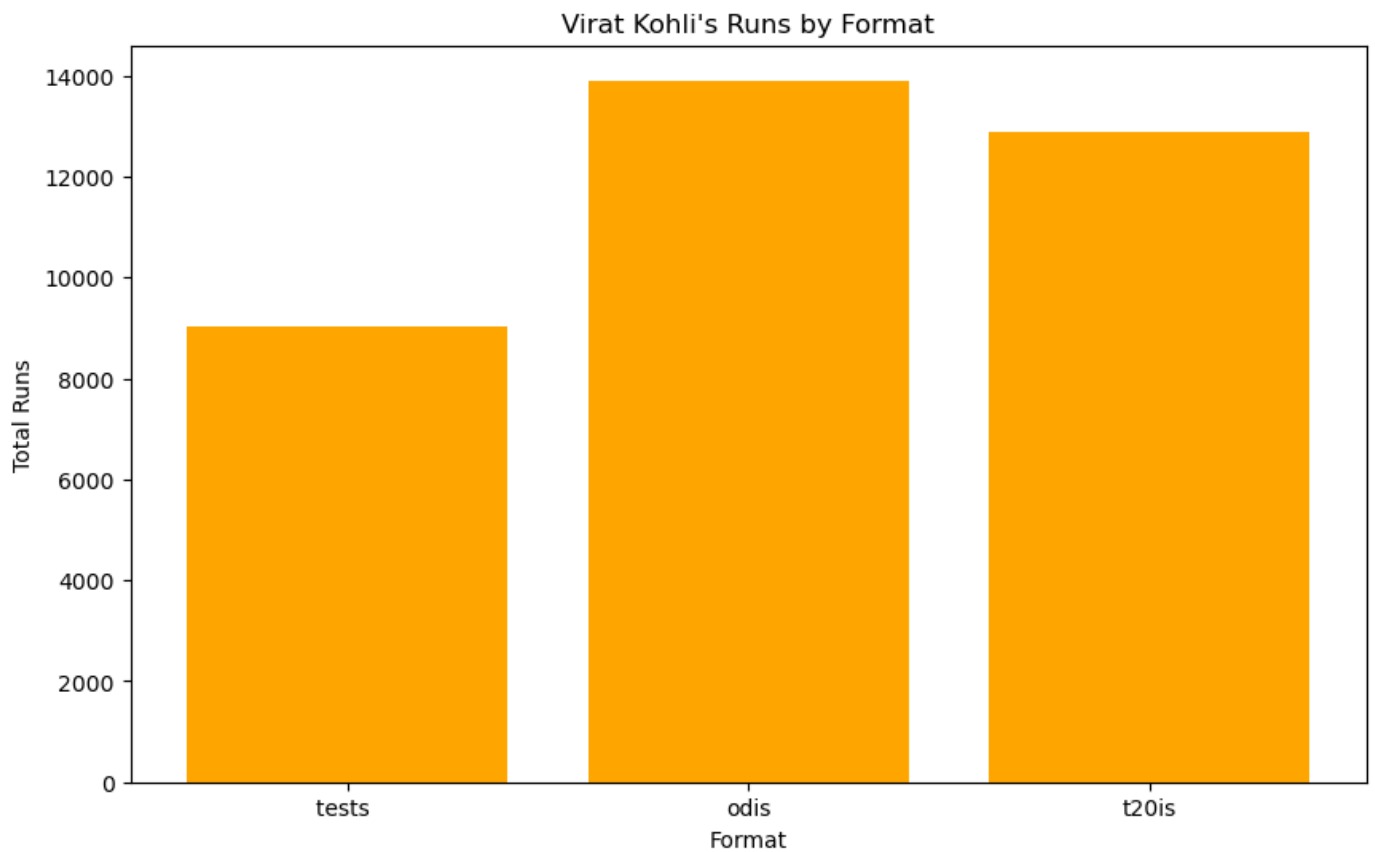
```
Column names: Index(['formart', 'matches', 'runs', 'centuries', 'fifties', 'average',
       'strike rate'],
      dtype='object')

Total Runs across all formats: 40020.0
Total Matches across all formats: 937.0
```

Virat Kohli's Runs by Format

Virat Kohli's Batting Average & Strike Rate by Format

🎉 Happy 36th Birthday to the Run Machine, Virat Kohli! 🏏
Celebrating his incredible career with a look at his records across all formats.
Created by a kohli sexual.

In [ ]: