

```

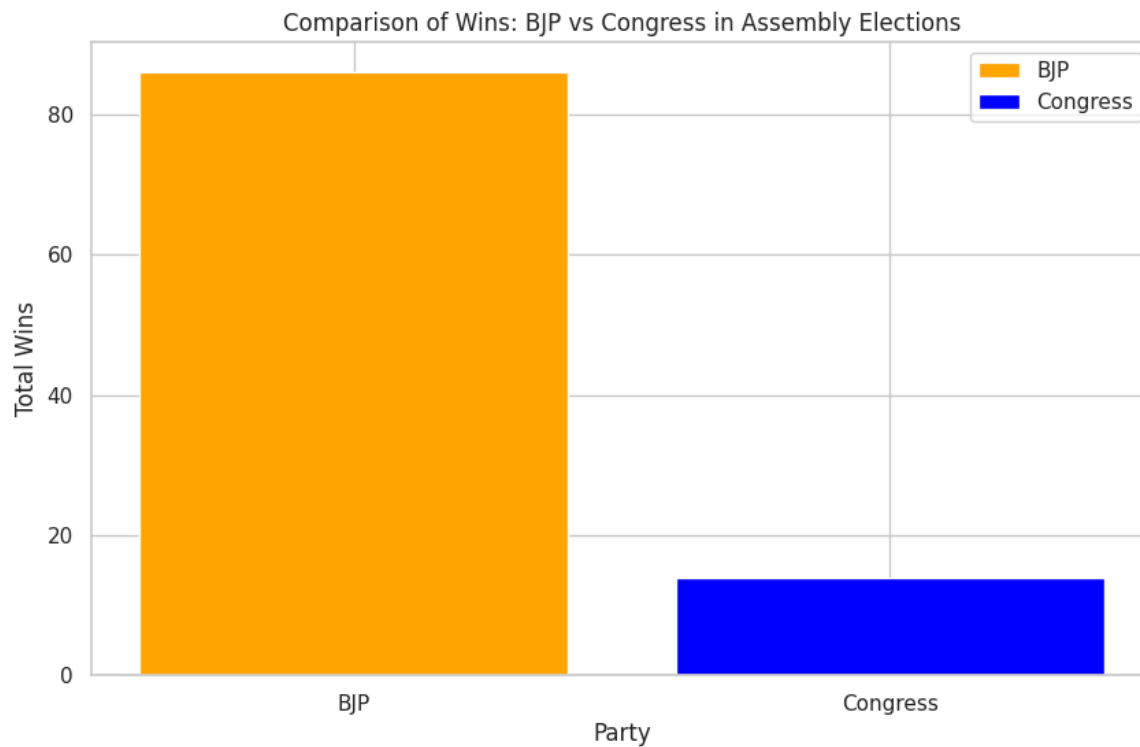
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
#load dataset
assembly_df = pd.read_csv('/content/assembly_cons.csv')
parliamentary_df = pd.read_csv('/content/party_wise.csv')
state_wise_df = pd.read_csv('/content/state_wise.csv')
by_election_df = pd.read_csv('/content/by_elec.csv')

import matplotlib.pyplot as plt
bjp_wins = assembly_df[assembly_df['party'].str.contains('Bharatiya Janata Party')]
congress_wins = assembly_df[assembly_df['party'].str.contains('Indian National Congress')]

# Calculate total wins
total_bjp_wins = bjp_wins['won'].sum()
total_congress_wins = congress_wins['won'].sum()

# Plotting
plt.figure(figsize=(10, 6))
plt.bar(['BJP'], [total_bjp_wins], color='orange', label='BJP')
plt.bar(['Congress'], [total_congress_wins], color='blue', label='Congress')
plt.title('Comparison of Wins: BJP vs Congress in Assembly Elections')
plt.xlabel('Party')
plt.ylabel('Total Wins')
plt.legend()
plt.show()

```



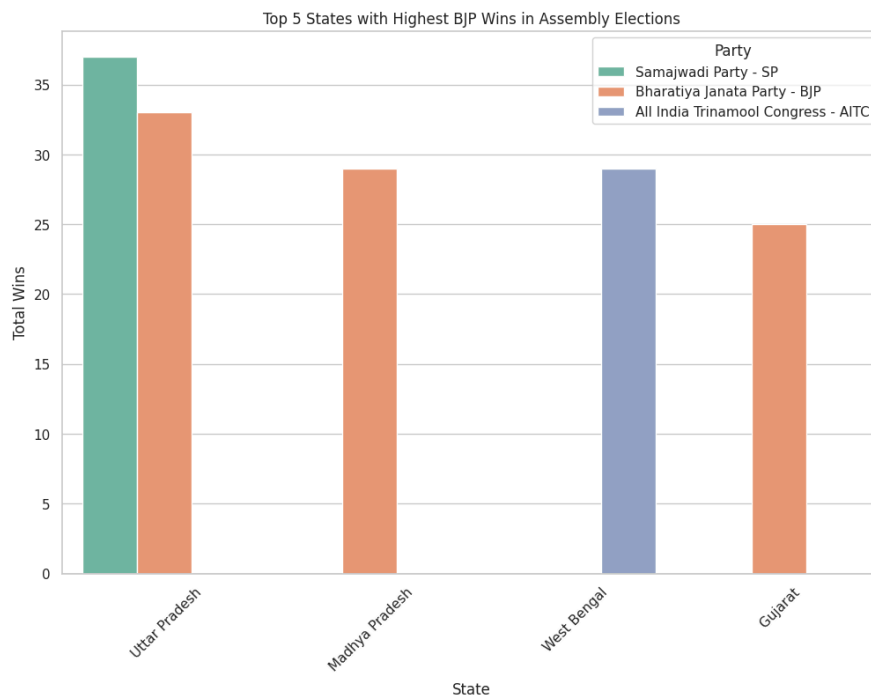
```

import seaborn as sns

# Assuming 'state_wise_df' contains state-wise data for different parties
top_states = state_wise_df.nlargest(5, 'won')

# Plotting
plt.figure(figsize=(12, 8))
sns.barplot(x='state', y='won', hue='party', data=top_states, palette='Set2')
plt.title('Top 5 States with Highest BJP Wins in Assembly Elections')
plt.xlabel('State')
plt.ylabel('Total Wins')
plt.xticks(rotation=45)
plt.legend(title='Party')
plt.show()

```

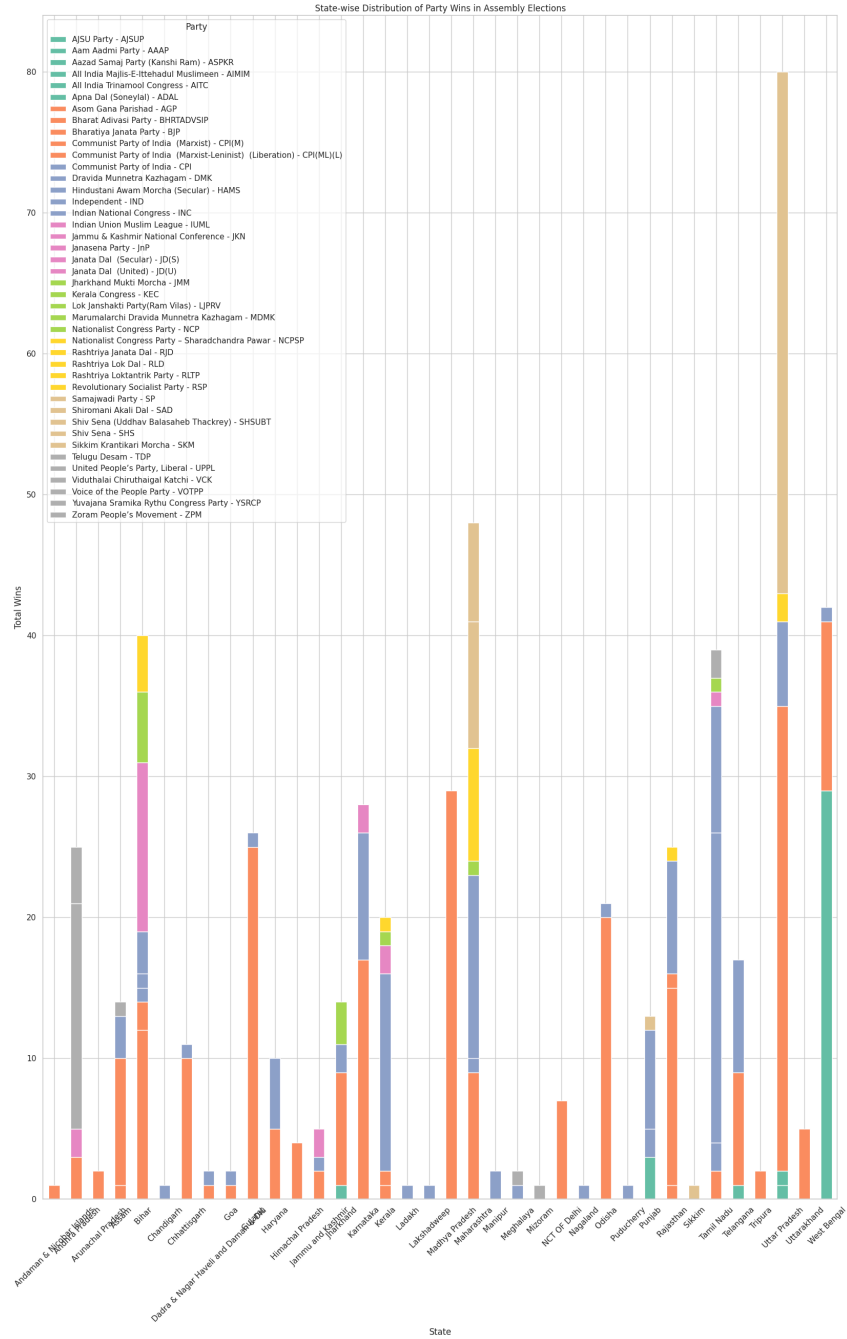


```
import numpy as np

# Aggregate wins by party and state
state_party_wins = state_wise_df.groupby(['state', 'party'])['won'].sum().unstack()


# Plotting
plt.figure(figsize=(14, 10))
state_party_wins.plot(kind='bar', stacked=True, colormap='Set2', figsize=(20, 30))
plt.title('State-wise Distribution of Party Wins in Assembly Elections')
plt.xlabel('State')
plt.ylabel('Total Wins')
plt.xticks(rotation=45)
plt.legend(title='Party')
plt.show()
```

Figure Size 1400x1000 with 0 Axes



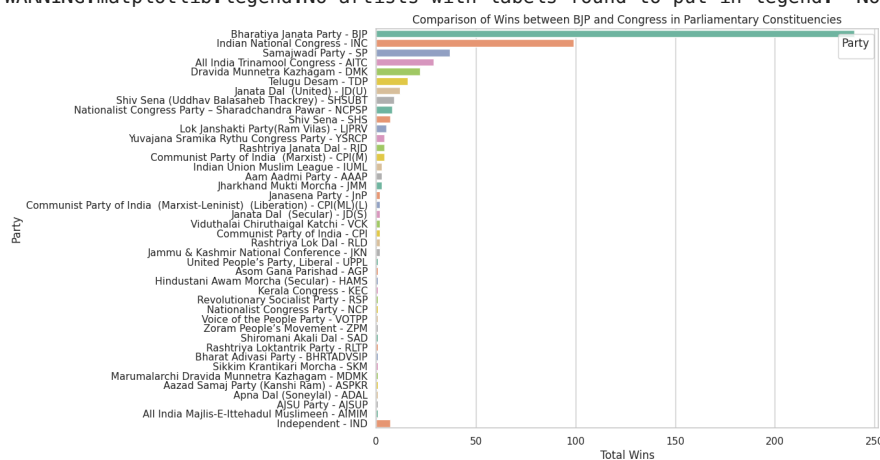
```
import seaborn as sns
```

```
# Assuming 'parliamentary_df' contains data for wins in parliamentary constituencies
plt.figure(figsize=(10, 8))
sns.barplot(x='Won', y='Party', data=parliamentary_df, hue='Party', palette='Set2', ci=None)
plt.title('Comparison of Wins between BJP and Congress in Parliamentary Constituencies')
plt.xlabel('Total Wins')
plt.ylabel('Party')
plt.legend(title='Party', loc='upper right')
plt.show()
```

 <ipython-input-36-35c328c2a964>:5: FutureWarning:


The `ci` parameter is deprecated. Use `errorbar=None` for the same effect.

```
sns.barplot(x='Won', y='Party', data=parliamentary_df, hue='Party', palette
WARNING:matplotlib.legend.No artists with labels found to put in legend. Not
```



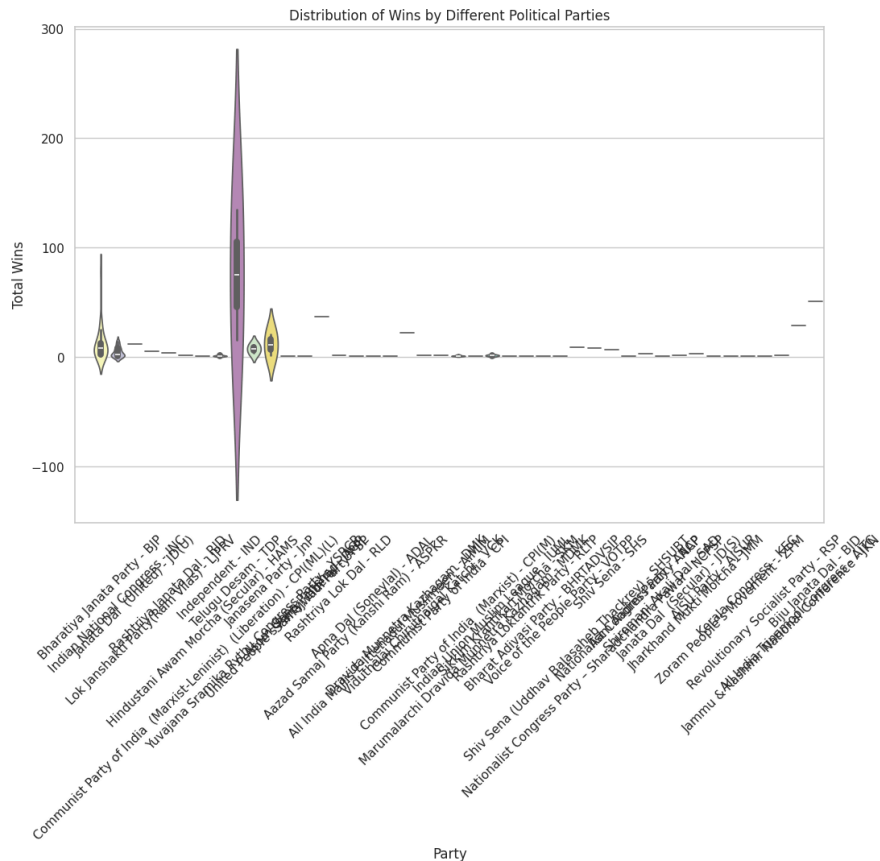
```
import seaborn as sns
```

```
# Assuming 'combined_df' contains combined data for wins by different political parties
plt.figure(figsize=(12, 8))
sns.violinplot(x='party', y='won', data=combined_df, palette='Set3')
plt.title('Distribution of Wins by Different Political Parties')
plt.xlabel('Party')
plt.ylabel('Total Wins')
plt.xticks(rotation=45)
plt.show()
```

 <ipython-input-26-5899a34d3eb3>:5: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed i

```
sns.violinplot(x='party', y='won', data=combined_df, palette='Set3')
```



```
import seaborn as sns
```

```
# Assuming 'state_wise_df' contains state-wise data for different parties
plt.figure(figsize=(14, 10))
g = sns.FacetGrid(state_wise_df, col='party', col_wrap=2, height=6)
g.map_dataframe(sns.barplot, x='state', y='won', palette='rainbow')
g.set_axis_labels('State', 'Total Wins')
g.set_titles(col_template='{col_name}')
plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```


[illegible]

```

Passing `palette` without assigning `hue` is deprecated and will be removed in a future version of the library.
func(*plot_args, **plot_kwargs)
/usr/local/lib/python3.10/dist-packages/seaborn/axisgrid.py:854: FutureWarning:

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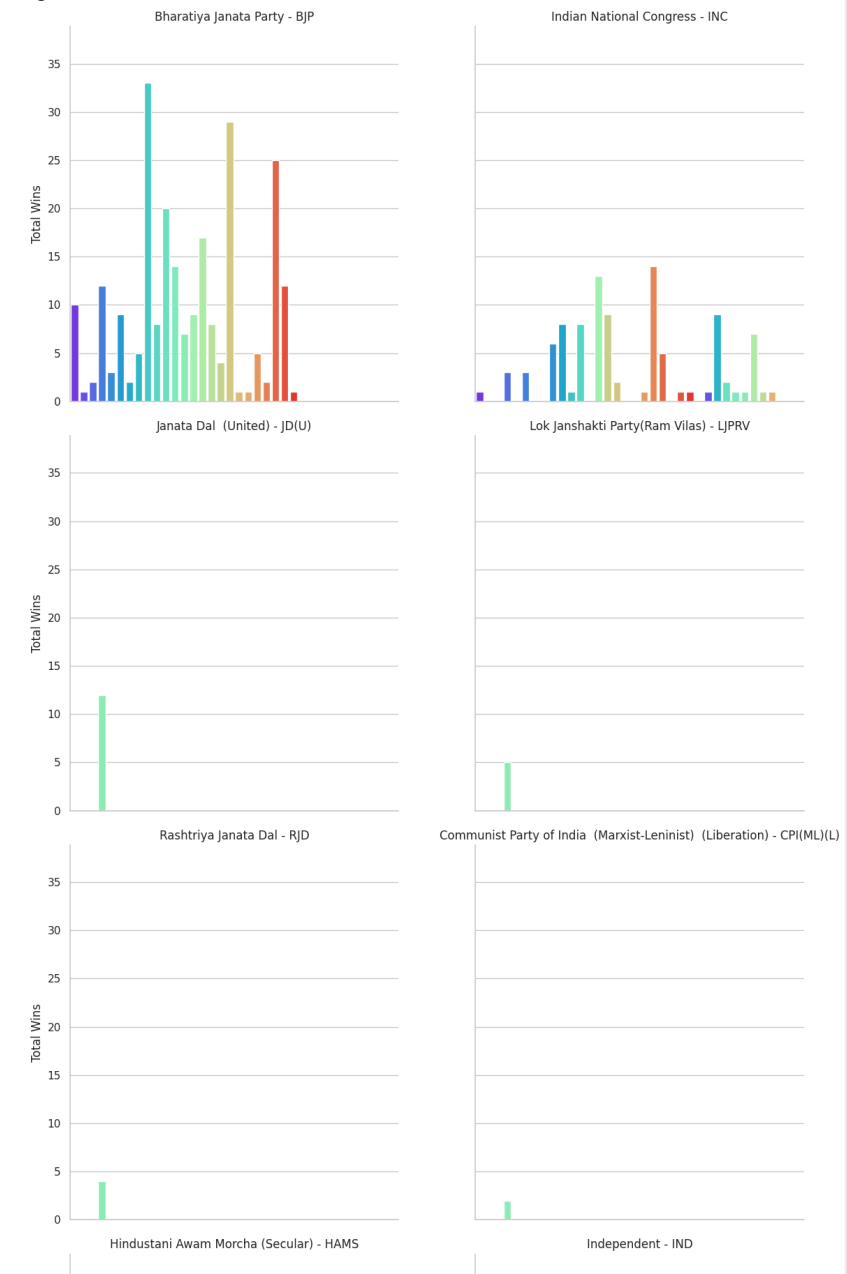
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/usr/local/lib/python3.10/dist-packages/seaborn/axisgrid.py:854: FutureWarning:

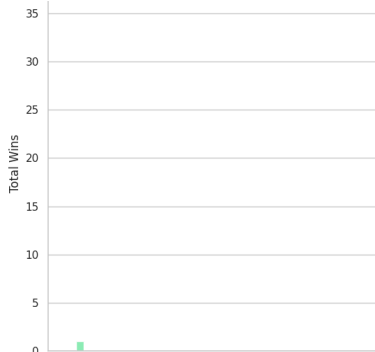
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func(*plot_args, **plot_kwargs)
<Figure size 1400x1000 with 0 Axes>

```

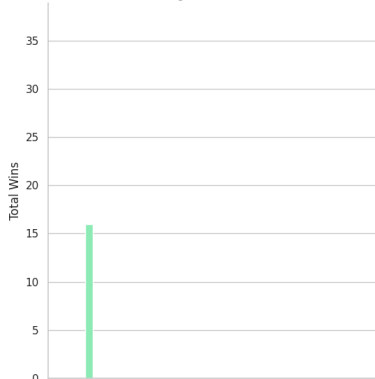




Telugu Desam - TDP



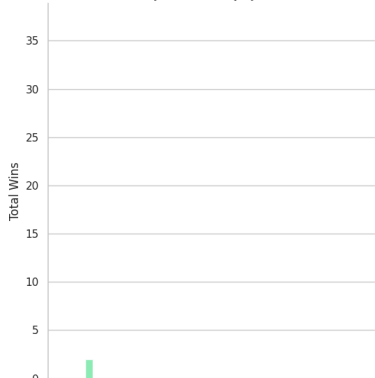
Yuvajana Sramika Rythu Congress Party - YSRCP



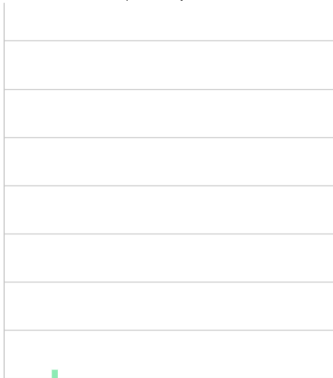
Janasena Party - JnP



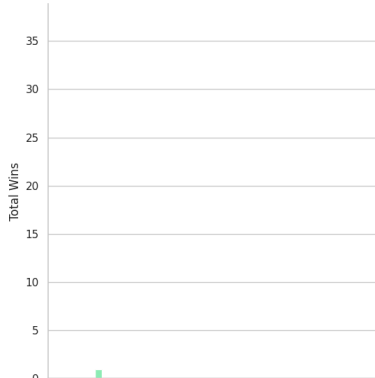
United People's Party, Liberal - UPPL



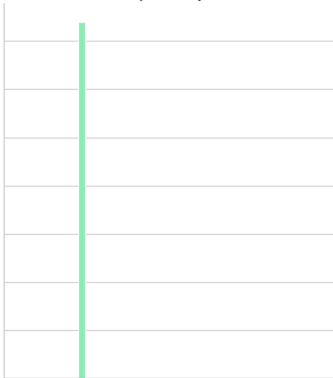
Asom Gana Parishad - AGP



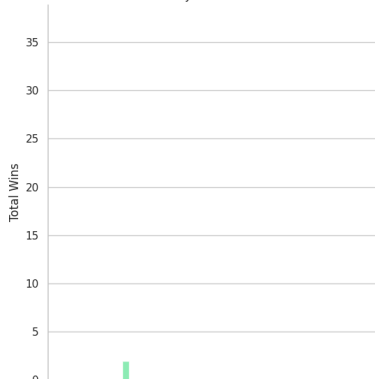
Samajwadi Party - SP



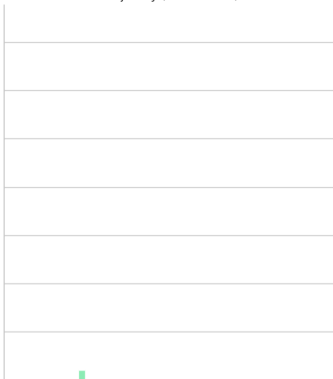
Rashtriya Lok Dal - RLD



Aazad Samaj Party (Kanshi Ram) - ASPKR



Apna Dal (Soneylal) - ADAL



All India Majlis-E-Ittehadul Muslimeen - AIMIM

