Election Data Insights of 2024

1. Unique Locations

Insight: The data covers multiple constituencies.

```
unique_locations = df['Column1'].unique()
print(unique_locations)
```

2. Political Parties Representation

Insight: The dataset includes information about candidates from various political parties.

```
political_parties = df[['Column4',
'Column9']].apply(pd.Series.value_counts)
print(political_parties)
```

3. Election Results Analysis

Insight: The election results are declared for all entries in the dataset.

```
election_results = df['Column14'].value_counts()

print(election_results)
```

4. Candidates Information

Insight: Information about candidates for each constituency is provided.

```
candidates = df[['Column3', 'Column8']]
print(candidates)
```

5. Votes Data

Insight: Statistical analysis of votes (Column13).

```
votes_data = df['Column13'].fillna(0).astype(int).describe()
print(votes_data)
```

6. Potential for Data Analysis

Insight: Analysis of votes by political party.

```
df['Column13'] = df['Column13'].fillna(0).astype(int)
votes_by_party = df.groupby('Column4')['Column13'].sum()
print(votes_by_party)
```

7. Regional Focus

Insight: Regional focus based on 'Column15'.

```
regional_focus = df['Column15'].value_counts()
print(regional_focus)
```

8. Historical Election Data

Insight: Overview of historical election data.

```
historical_data = df[['Column1', 'Column3', 'Column4',
'Column8', 'Column9']]
print(historical_data.head())
```

9. Results Status

Insight: Status of election results.

```
results_status = df['Column14'].value_counts()
print(results_status)
```

10. Constituency Development

Insight: Analysis of votes by constituency.

```
constituency_development = df[['Column1',
'Column13']].fillna(0).groupby('Column1').sum()
print(constituency_development)
```

Conclusion

This report summarizes the key insights derived from the election data, with corresponding tables for each insight. The provided Python code snippets can be run in Google Colab to generate these insights. Ensure the correct column names are used as per your dataset.