ELECTION RESULTS ANALYSIS

Introduction : This report presents an analysis of the latest election results based on data scraped from the Election Commission of India website. The analysis includes data manipulation, visualization, and extraction of key insights using Python, Pandas, and Matplotlib.

Steps Involved:

Data Loading

The election results data was loaded into a Pandas DataFrame from a CSV file

Data Inspection

The initial inspection of the data provided the following structure:

Party	Won	Leading	Total
Bharatiya Janata Party - BJP	240	0	240
Indian National Congress - INC	99	0	99
Samajwadi Party - SP	37	0	37
All India Trinamool Congress - AITC	29	0	29
Dravida Munnetra Kazhagam - DMK	22	0	22

Data Analysis

Key insights extracted from the data include:

Overall Performance:

- The Bharatiya Janata Party (BJP) has secured the highest number of seats, winning 240 seats.
- The Indian National Congress (INC) follows with 99 seats.
- Other significant parties include Samajwadi Party (SP), All India Trinamool Congress (AITC), and Dravida Munnetra Kazhagam (DMK) with 37, 29, and 22 seats respectively.

Party Dominance:

- BJP appears to be the dominant party with a significant lead over the next leading party (INC) by 141 seats.
- The combined total of seats won by the next four parties (INC, SP, AITC, DMK) is 187, which is still less than BJP's total seats.

Regional vs National Presence:

- Parties like BJP and INC have a national presence, evident from their higher seat counts.
- Regional parties such as SP, AITC, and DMK have secured a notable number of seats, indicating strong regional support.

Visualization

A bar chart line chart and pie chart was created to visualize the number of seats won by each party (github link attached)

Tech Stack Used in the Analysis

1. **Pandas**: For data manipulation and analysis.
2. **Matplotlib**: For creating visualizations.
3. **Python**: The programming language used to script the analysis and create visualizations.
4. **Google Colab**: The platform for running the code interactively.
5. **Google sheets : extraction of csv file**

REFRENCES:

1.https://results.eci.gov.in/PcResultGenJune2024/index.htm (link provided for challenge)

2. https://github.com/yuvrajsingh100903/kalvium-scrapping1

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