

Problem Statement

Indian Lok Sabha Election Analysis 2024

1. Background

The Indian Lok Sabha Elections 2024 represent a significant national event involving multiple political parties, alliances, and constituencies across all states and union territories. The election results contain structured data that require systematic analysis to derive meaningful insights.

This project focuses on analyzing the 2024 Lok Sabha election results using SQL for data extraction, cleaning, and analysis. The processed data is then used to build an interactive Power BI report that presents the findings in a clear and structured manner.

2. Objective

The primary objective of this project is to analyze constituency-level and state-level election results to understand seat distribution, alliance performance, and overall electoral trends across the country.

The analysis aims to answer key questions related to total seats, alliance performance, and state-wise distribution of results.

3. Problem Statement

1. What is the total number of Lok Sabha seats contested in the 2024 elections?
2. What is the total number of seats available in each state?
3. How many seats were won by the NDA alliance across all states?
4. How many seats were won by individual parties within the NDA alliance?
5. How many seats were won by the I.N.D.I.A alliance across all states?
6. How many seats were won by individual parties within the I.N.D.I.A alliance?
7. Which political alliance (NDA, I.N.D.I.A, or OTHER) won the highest number of seats nationwide?

4. Methodology

Stage 1: Data Analysis using SQL

- Extract election data from the dataset.
- Clean and validate the data to ensure consistency.
- Perform aggregation and calculations to determine seat counts and alliance performance.

Stage 2: Reporting using Power BI

- Import the processed data into Power BI.
- Develop an interactive report with multiple slides.
- Present findings such as state-wise seat distribution and alliance-wise performance.
- Enable users to explore results in detail through filters and visuals.

5. Expected Outcome

The project provides a structured analysis of the 2024 Lok Sabha election results. The final Power BI report presents clear insights into seat distribution, alliance performance, and state-level trends across the country.