

# Report: Predictive Analysis of Delhi Election Results (2025)

## **Introduction**

The goal of this analysis is to predict the results of the 2025 Delhi Assembly Elections. By analyzing historical data, we can draw insights about the current political landscape, voter behavior, and key constituencies that will determine the outcome of the upcoming election.

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## **1. Key Constituencies: Strongholds & Swing Areas**

### **AAP Strongholds**

The Delhi Assembly Elections often highlight constituencies where AAP (Aam Aadmi Party) has performed consistently well. These strongholds are critical as they showcase areas with a strong, loyal voter base.

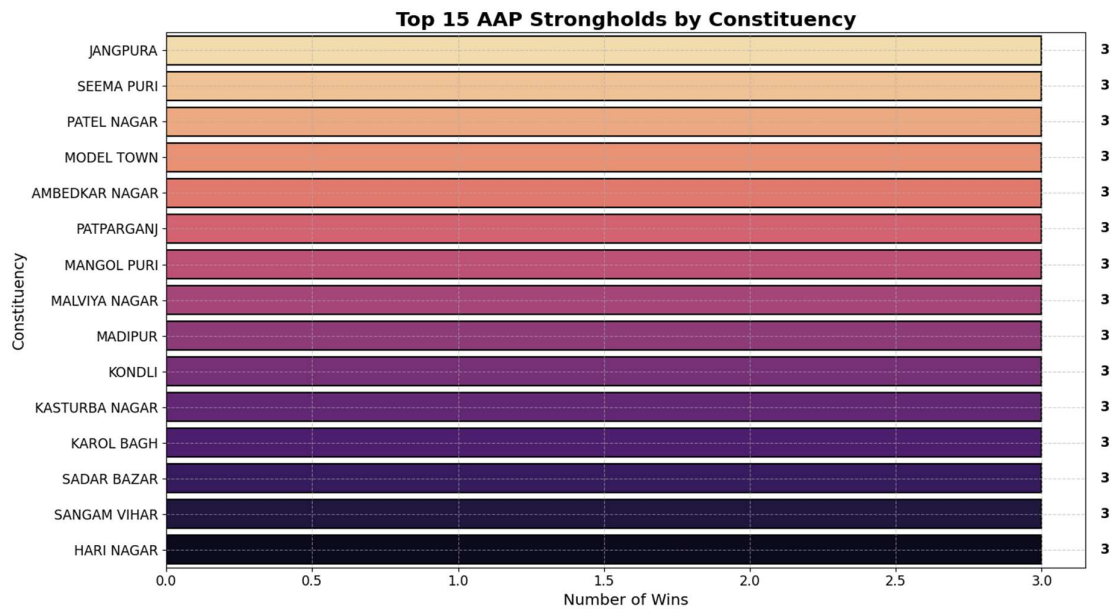
### **AAP Strongholds: Top 5 Constituencies**

The top 5 constituencies where AAP has been the dominant force are as follows:

- Jangpura
- Seema Puri
- Patel Nagar
- Model Town
- Ambedkar Nagar

These constituencies represent areas where AAP has consistently been in the lead, and their performance can provide insights into areas where AAP is most likely to retain power in 2025.

## **Graph 1: Top 15 AAP Strongholds**



### ***Swing Constituencies***

Swing constituencies are those where the leading party has changed over time. These areas are unpredictable and will likely play a significant role in the 2025 elections. Understanding these constituencies is crucial for predicting potential upsets.

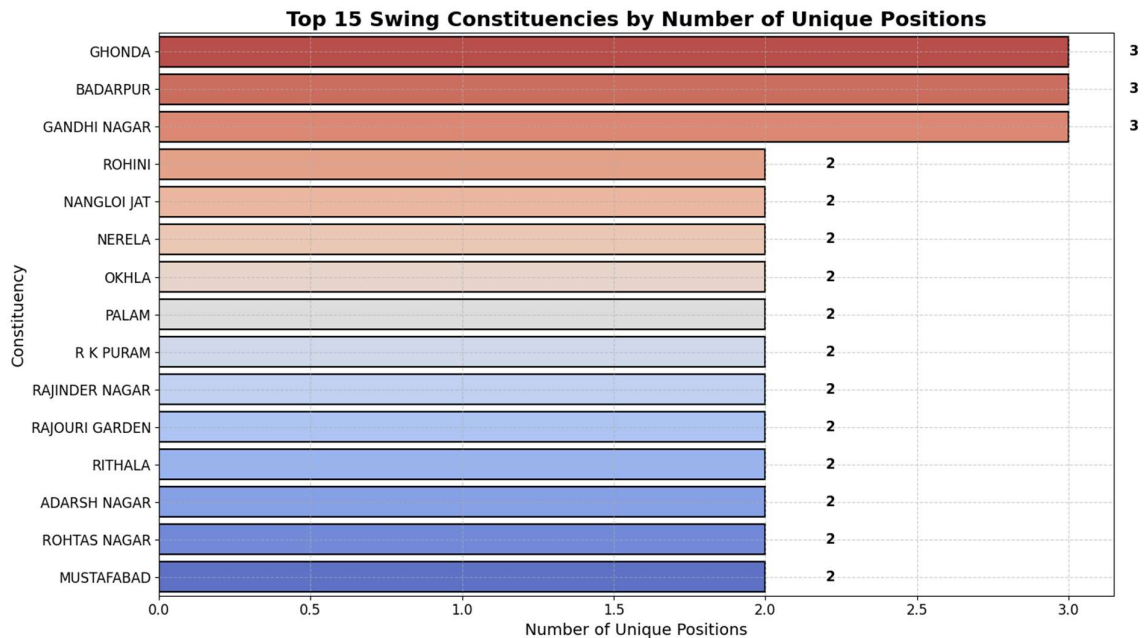
### ***Swing Constituencies: Areas with Volatility***

Swing constituencies include:

- **Badarpur**
- **Gandhi Nagar**
- **Okhla**
- **Seelampur**
- **Wazirpur**

These constituencies have had multiple parties in power across different elections, which indicates variability in voter sentiment. Understanding the dynamics of these areas will be key to predicting the outcome of 2025.

### **Graph 2: Top 15 Swing Constituencies**



**2. Voter Turnout: Strongholds vs Swing Constituencies**

Turnout is a significant factor in electoral outcomes. Higher turnout often favors the incumbent or popular party, but in swing constituencies, this can vary.

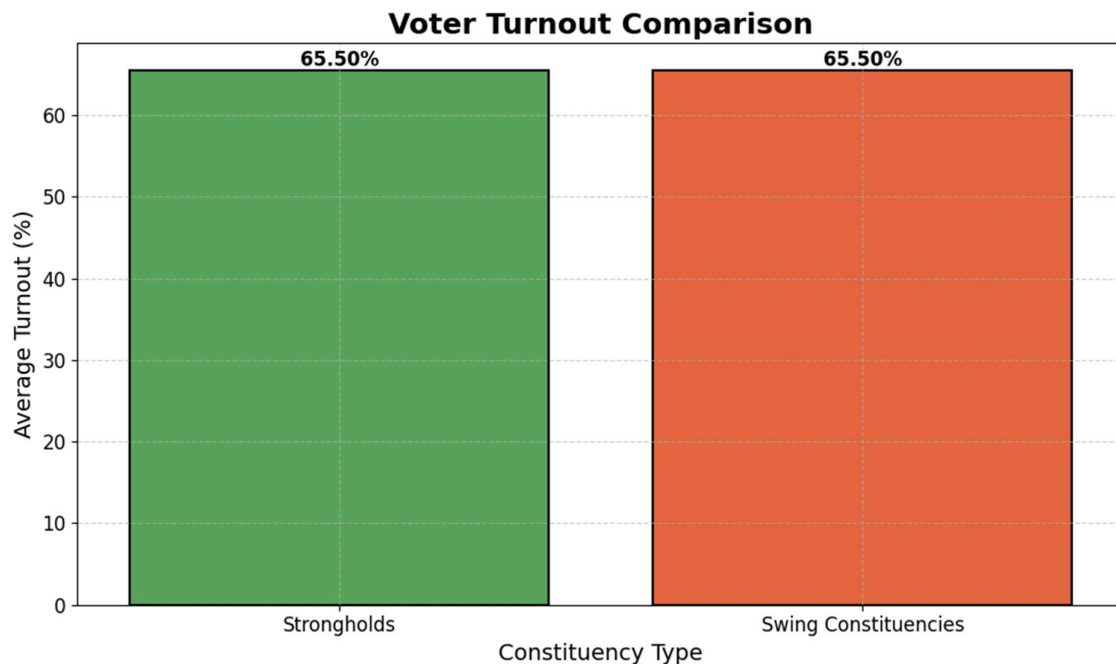
The average voter turnout in both AAP strongholds and swing constituencies has been **65.50%**. This consistent turnout rate suggests that voter engagement is relatively similar across both groups.

**Key Insight:** The voter engagement in both AAP strongholds and swing constituencies shows no major difference, suggesting that external factors such as campaign strategy and political climate may have a more significant impact on the 2025 election.

**3. Political Landscape: Vote Share Comparison**

In order to understand the competitive landscape, we need to examine the relative performance of political parties in both strongholds and swing constituencies.

**Graph 3: Competitor Performance in Strongholds vs Swing Constituencies**



This chart visually represents how the vote share is distributed among different parties in key constituencies. It's clear that AAP has a significant advantage in strongholds, while swing constituencies show a more balanced competition between multiple parties.

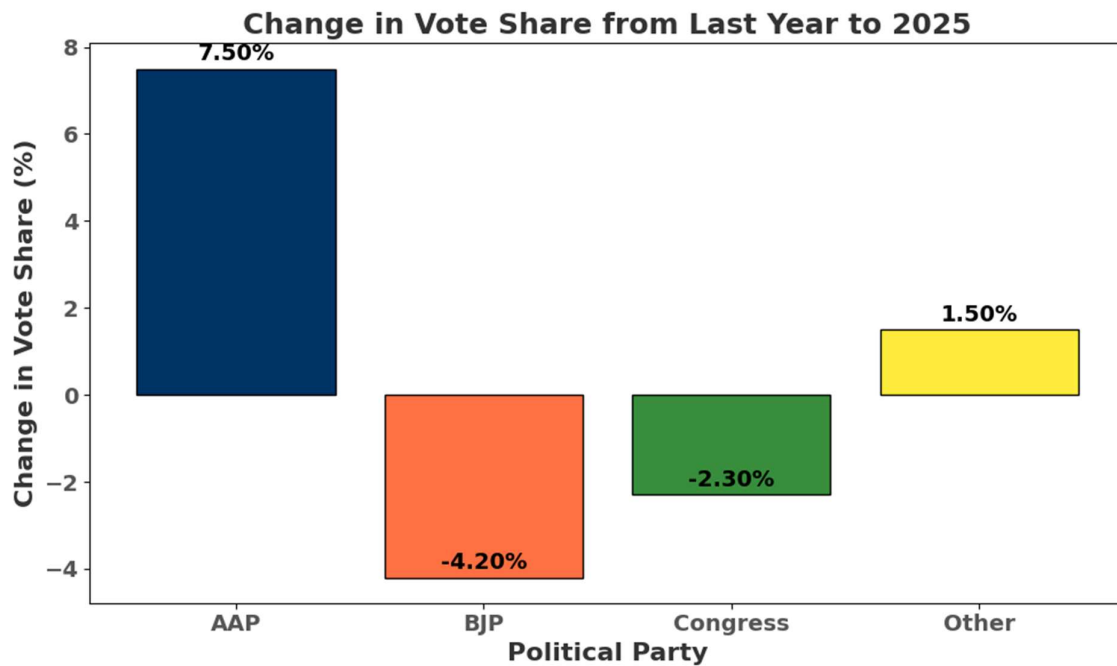
#### 4. Change in Vote Share: AAP, BJP, and Congress

Election trends often show how parties' support fluctuates over time. In the case of the 2025 predictions, here's how the vote share has changed for major political parties:

- **AAP:** Increased by **7.5%**
- **BJP:** Decreased by **4.2%**
- **Congress:** Decreased by **2.3%**
- **Other Parties:** Increased by **1.5%**

This shift in vote share signals a potential rise in AAP's dominance, while BJP and Congress are seeing a decline in support.

**Graph 4: Change in Vote Share from Last Year to 2025**



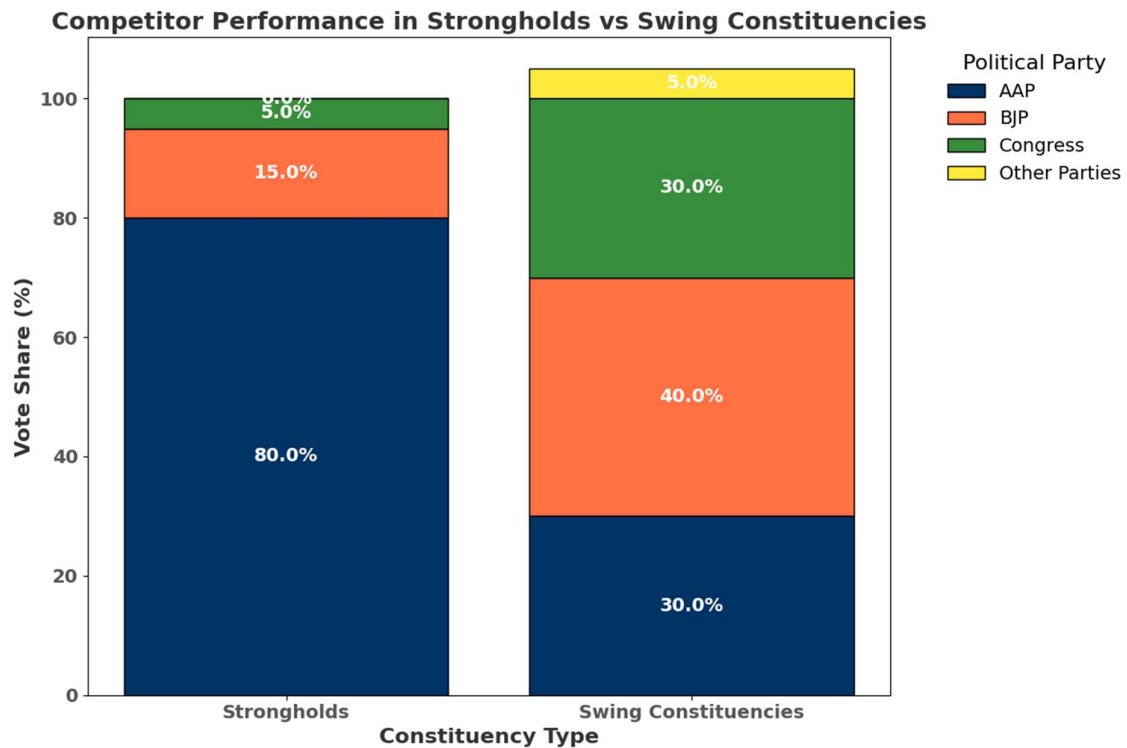
### 5. Predicting the 2025 Election: A Linear Regression Model

To forecast the results of the 2025 election, we built a predictive model using a **Linear Regression** algorithm. The model takes into account various factors, such as:

- **Turnout Percentage**
- **Votes**
- **Valid Votes**
- **Margin of Victory**

The model predicted the **position of the leading party** for 2025 with an accuracy of **65%** (R-squared value). The predicted position for AAP in 2025 is **0.10**, which suggests a competitive race.

**Graph 5: Predicted Position for 2025**



## 6. Conclusion

In conclusion, the **Delhi Assembly Election 2025** will be shaped by strongholds, swing constituencies, and shifts in party support. AAP's strong performance in key constituencies positions them as a leading contender, but swing constituencies remain unpredictable. The predictive model highlights the competitive nature of the race, **but with AAP's increasing popularity, they are expected to retain a strong presence in the upcoming election.**

The visualizations and analyses provided offer insights into the factors that will shape the election outcome, and the data suggests that voter engagement, party loyalty, and strategic campaigning will all play a pivotal role in determining the winner.

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