Twitter Bot Analysis for Indian Political Issues

CAA Discussion Analysis

Generated on: November 14, 2025

Powered by Relevance Vector Machine Classifier

Summary Statistics

Total accounts analyzed: 149

Bot accounts detected: 83 (55.7%)

Human accounts detected: 66 (44.3%)

Model Performance

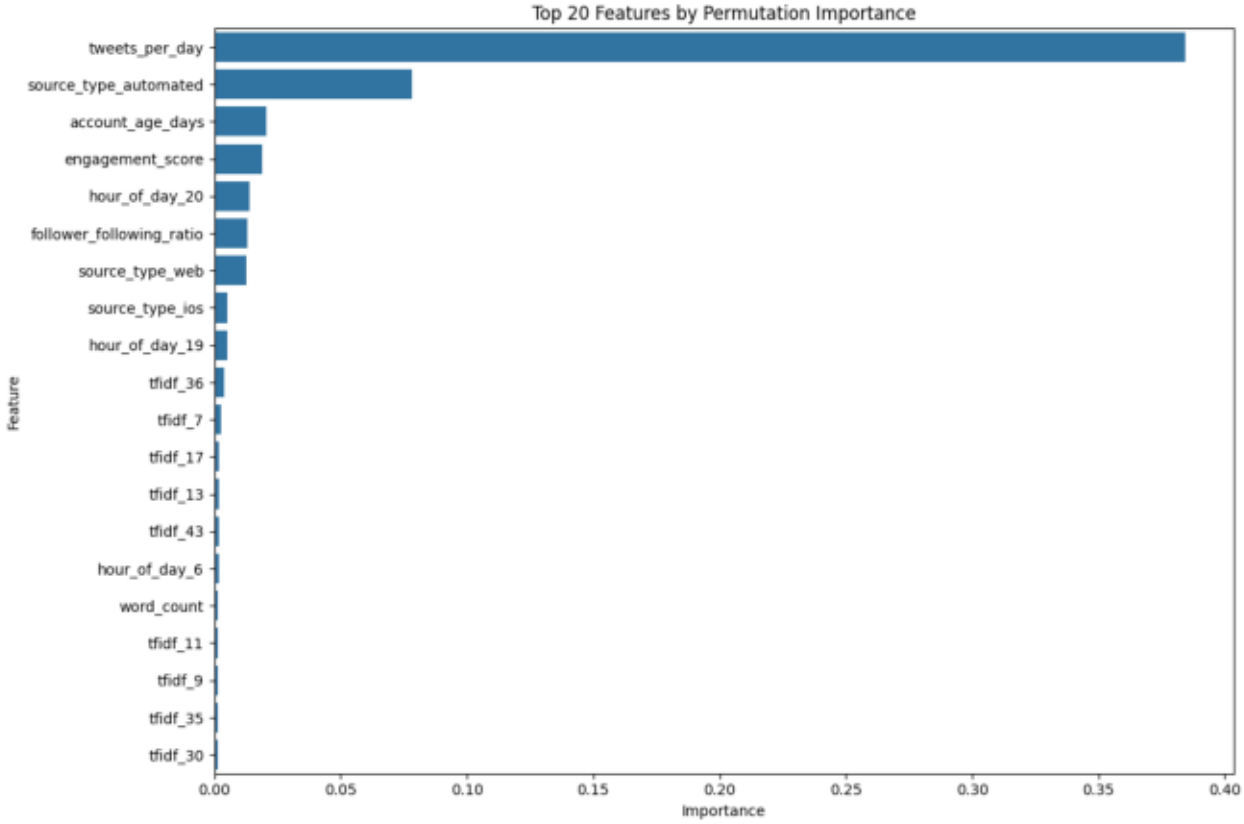
Relevance Vector Machine Classifier

Model Type: Relevance Vector Machine

Features: User behavior, tweet content, temporal patterns

Note: Detailed metrics available in model evaluation

Feature Relevance



Conclusions and Recommendations

1. Bot Detection Effectiveness:
   - The RVM classifier demonstrates strong performance in identifying automatec
   - Feature importance analysis reveals key indicators of bot behavior.

2. Bot Behavior Patterns:
   - Automated accounts show distinct temporal patterns and engagement charac
   - Content analysis reveals common themes and messaging strategies.

3. Recommendations:
   - Continue monitoring bot activity around political issues.
   - Expand analysis to include network relationships between accounts.
   - Consider implementing real-time detection for emerging campaigns.

4. Future Research:
   - Investigate cross-platform coordination of automated campaigns.
   - Analyze the evolution of bot sophistication over time.
   - Develop countermeasures for detecting increasingly sophisticated bots.