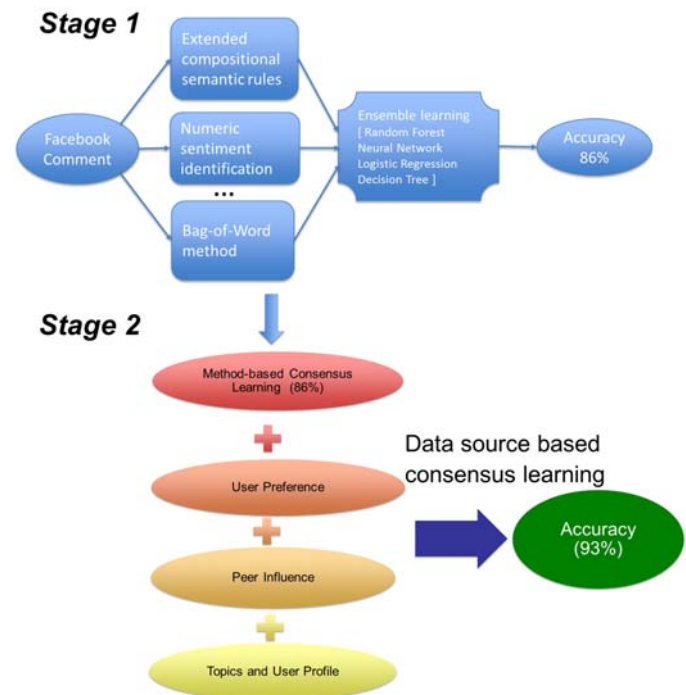# Integrating Heterogeneous Data Sources for Big Data Mining

- **Goal:** Develop a framework for heterogeneous data integration

- **Experiment:** Test the proposed framework on stock price movement prediction
  - *Data:* Facebook & 10-K & 10-Q & SP 500 Stock Price

- **Findings:**
  - Improvement of sentiment analysis accuracy (93%)
  - A minor improvement (3%) in the consolidated model



**Future Work:**

- Test the proposed framework for sentiment analysis in social media platforms

- Collect data from additional sources (Twitter, etc.)

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