

Estimating Crowds Based on Social Media

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Contents

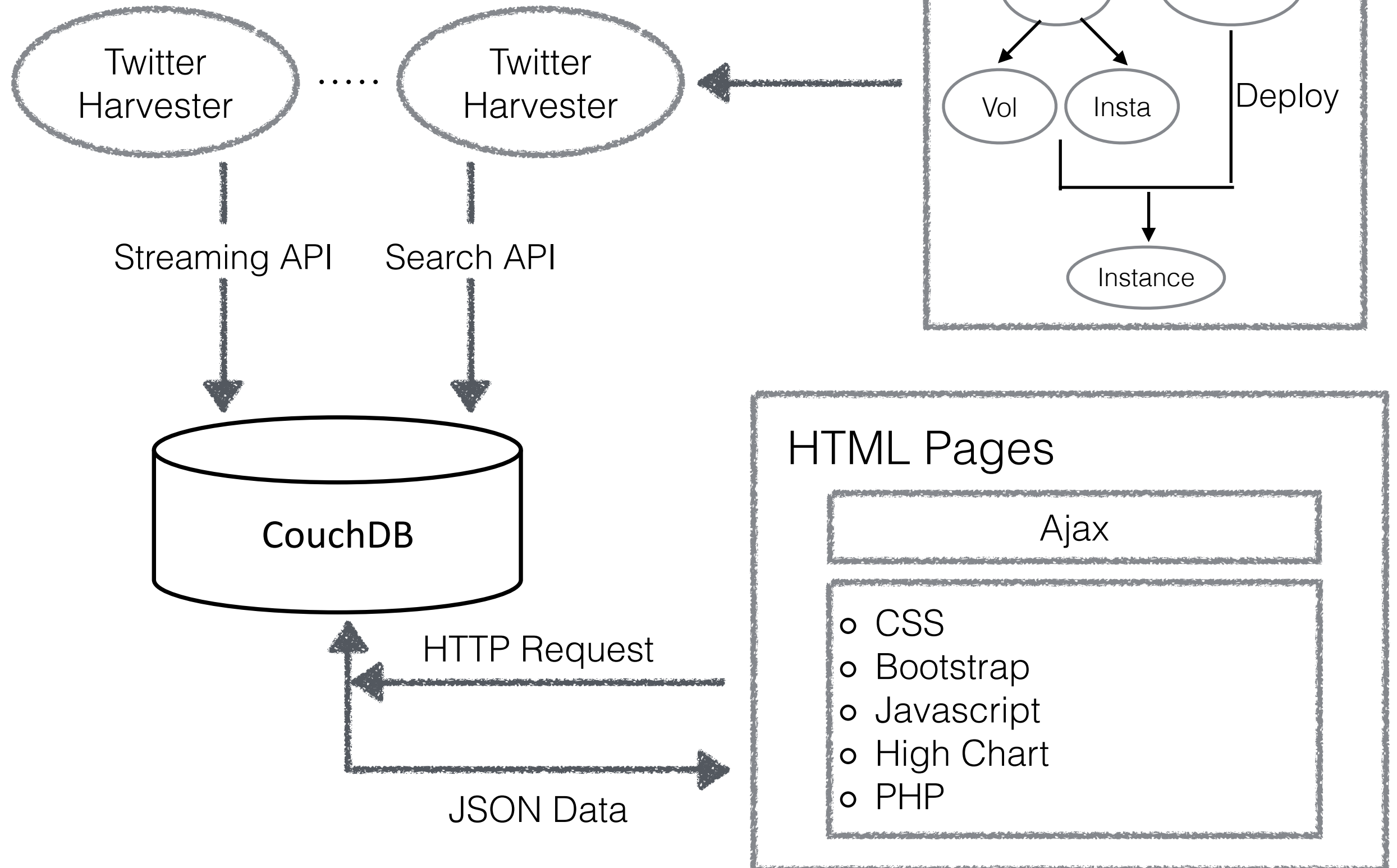
1. Background
2. System Architecture
3. Harvester Distribution
4. Data Presentation
5. Data Analysis
6. Data Improvement
7. Model Implement
8. Flow Chart
9. Website Demo
10. Conclusion

Background Introduction and Motivation

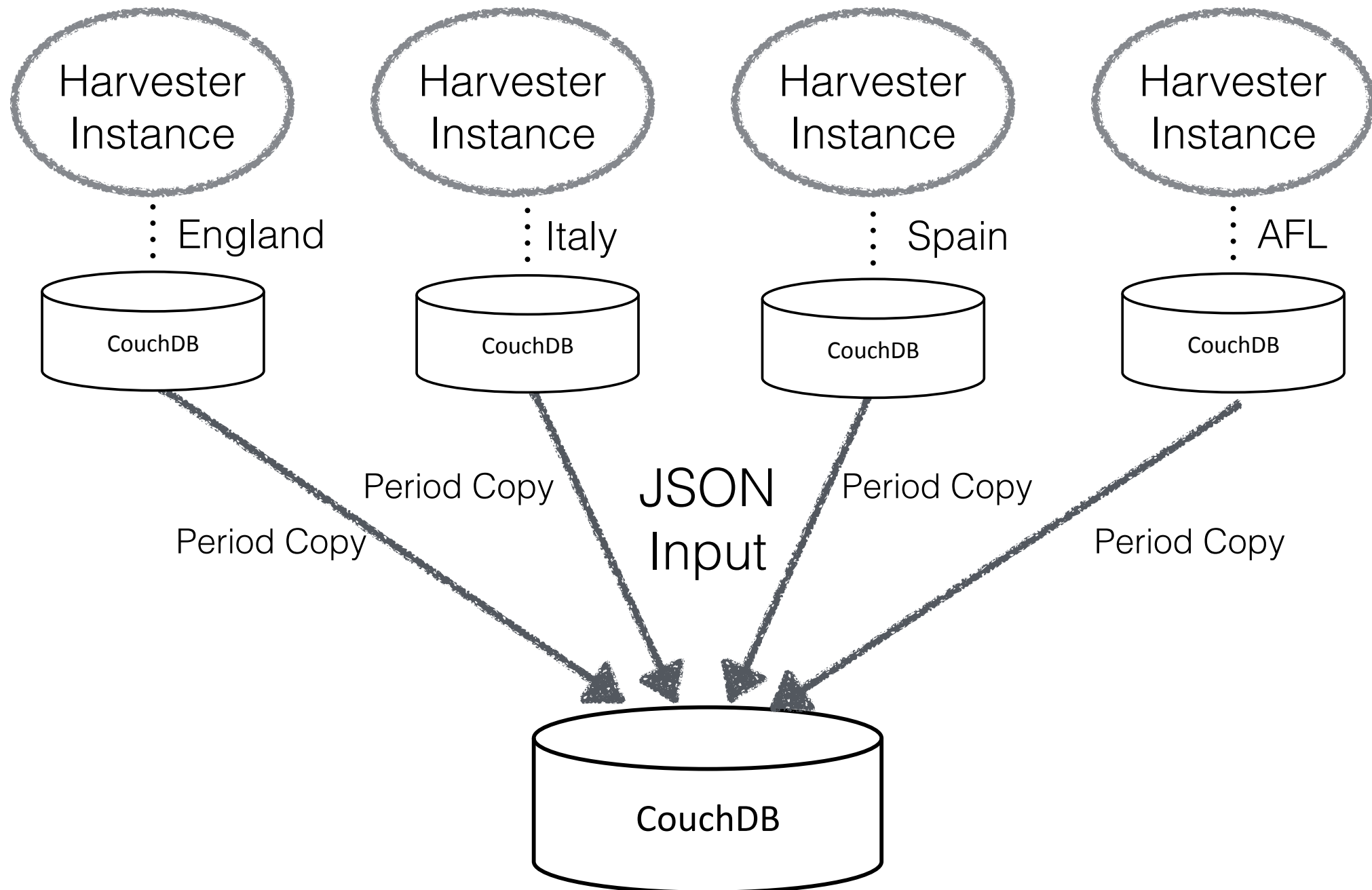
- Twitter is one of the most popular application that people tweets about their daily life
- The number of individuals in event crowds can be estimated based on the number of tweets compared with real attendance.



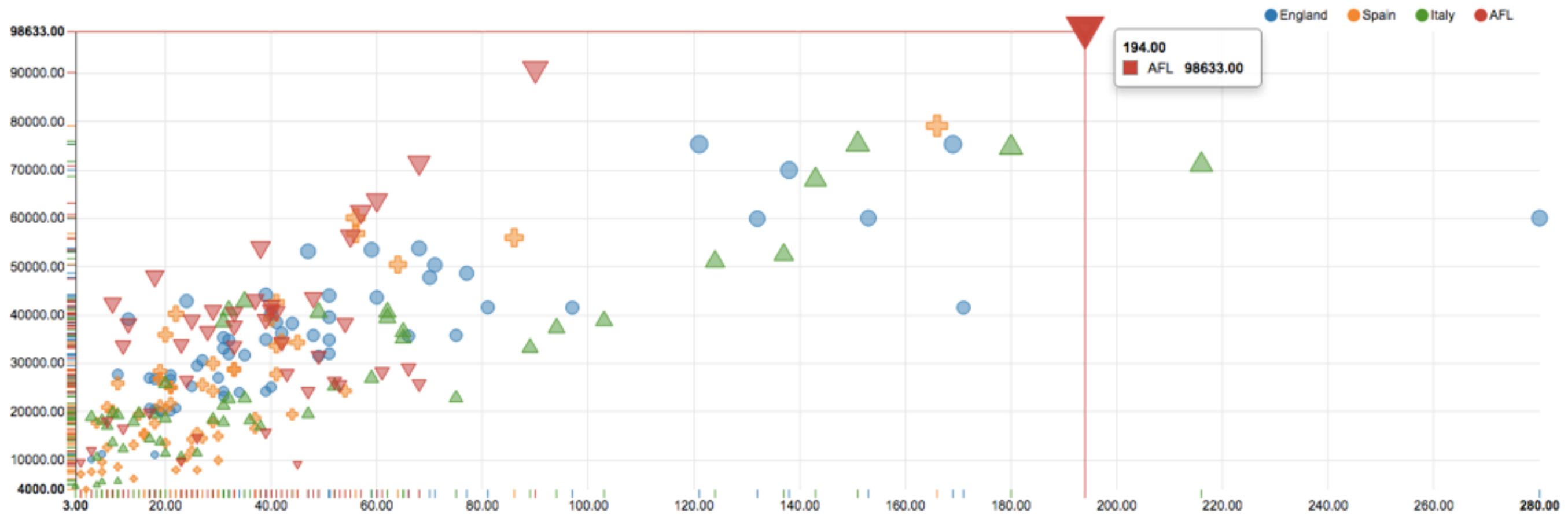
System Architecture



Harvester Distribution



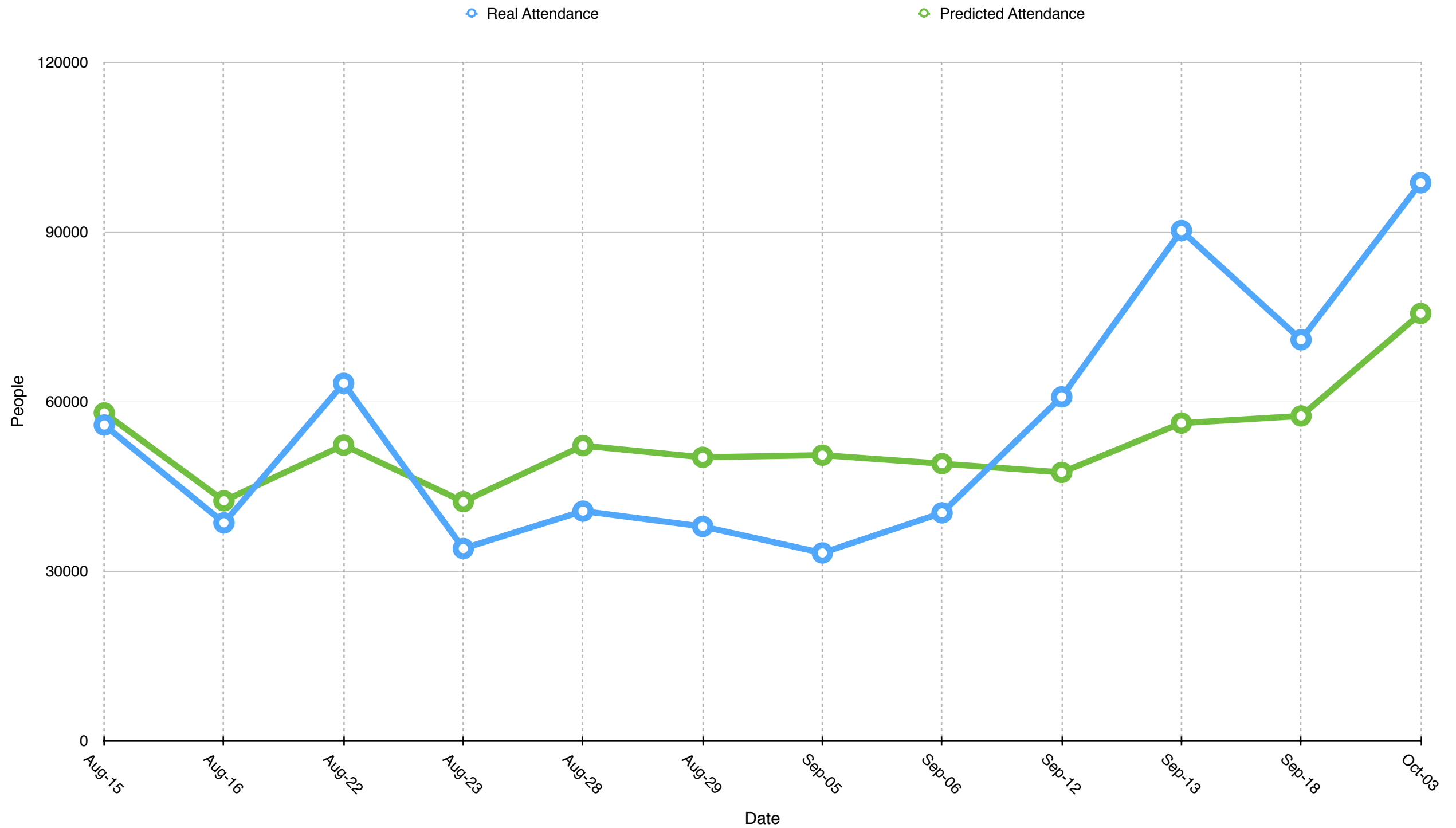
Data Presentation



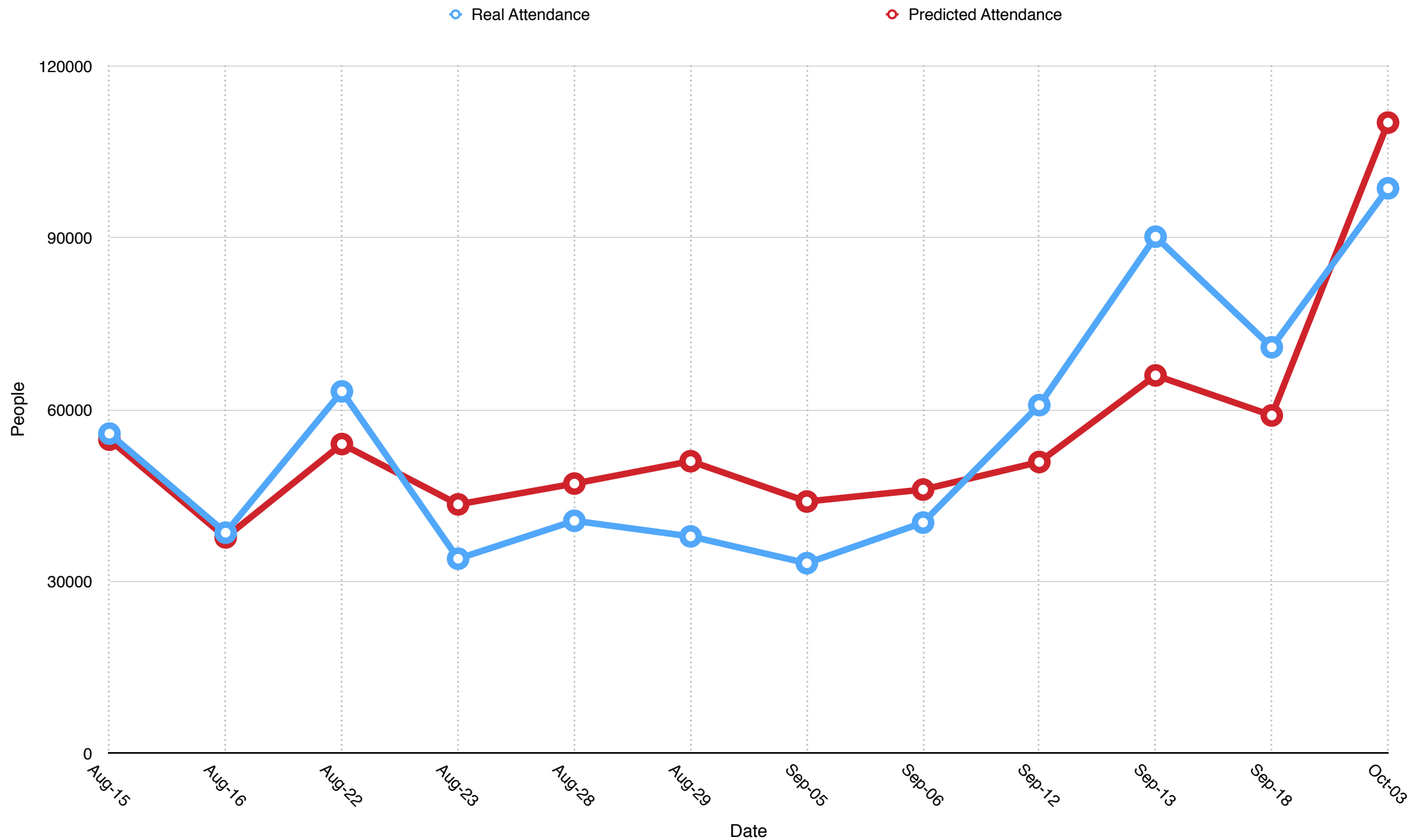
	England	Spain	Italy	AFL
Match	45	61	61	51
Attendance	36268	36220	42068	27721

Data Analysis

Melbourne Cricket Ground

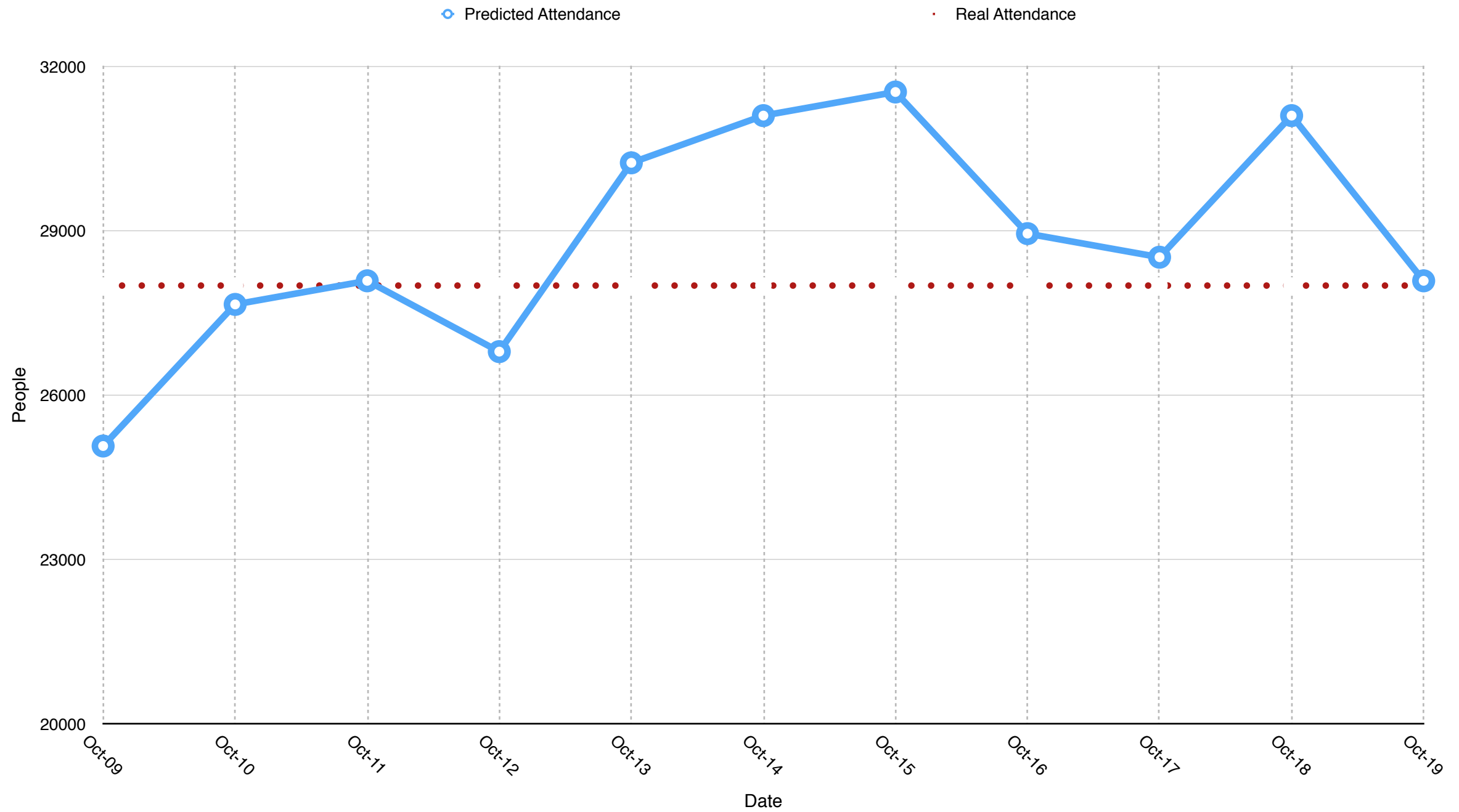


Data Improvement Melbourne Cricket Ground

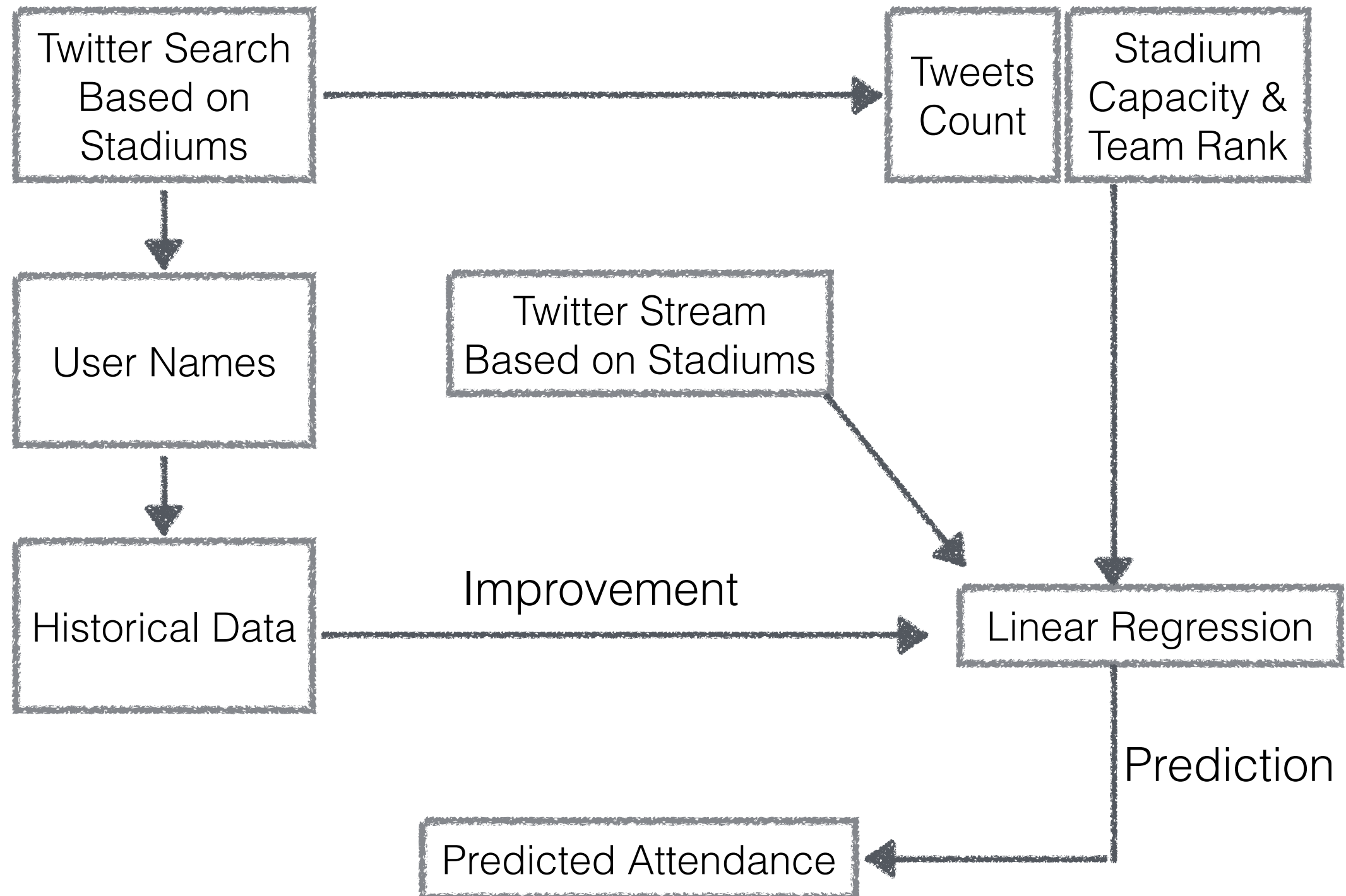


Model Implementation

Melbourne Airport



Flow Chart



Website Demo

Conclusion

- The relationship between event crowd size and tweets number is obvious and predictable.
- Results can be improved by involving more social media resources.
- This estimation model can avoid unnecessary accident and attendance investigation.