

Football Match Probability Prediction

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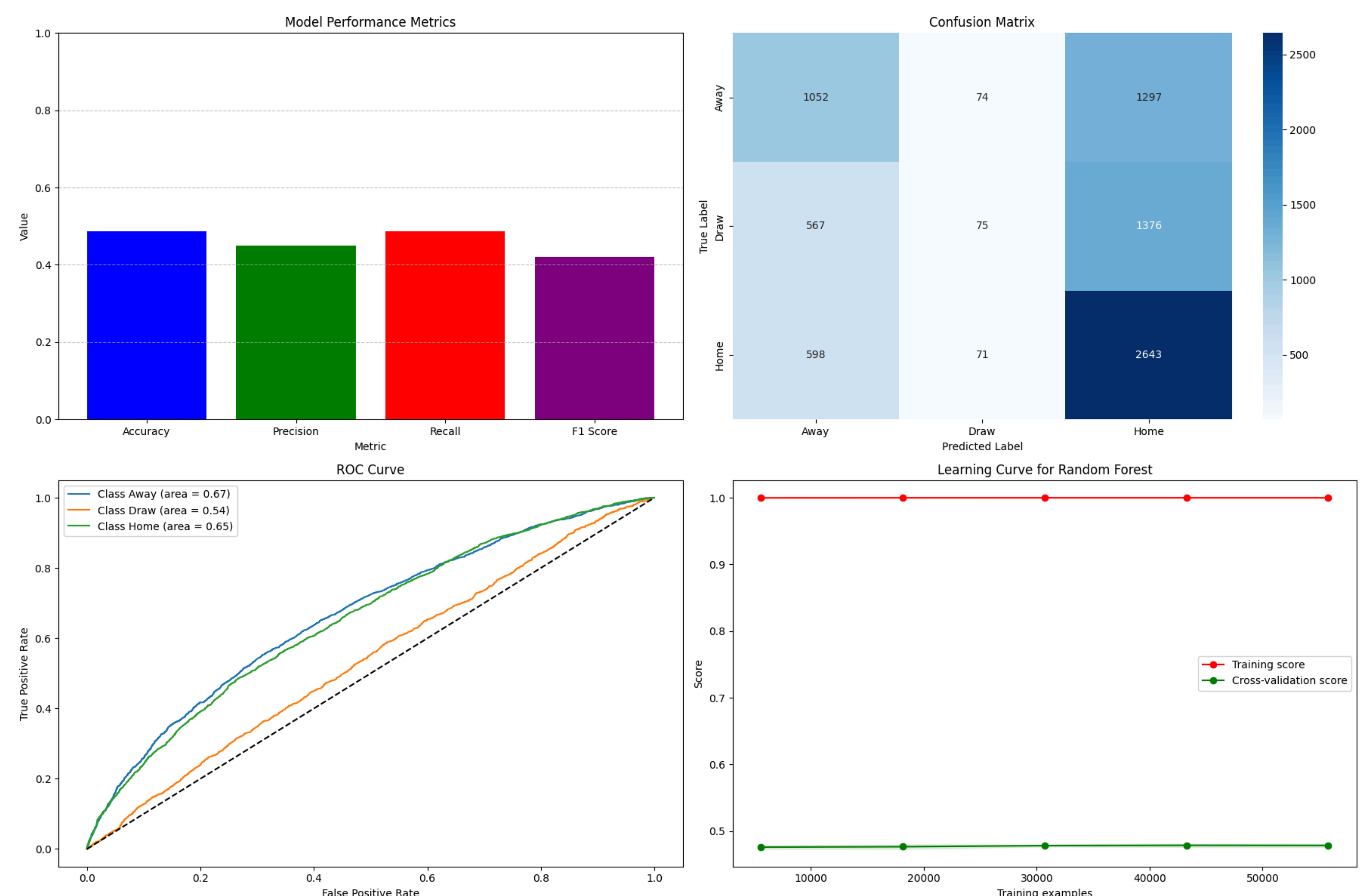
Introduction

Football data analysis has long focused on predicting match outcomes using recent team performance. Despite advancements in algorithms for event detection and player analysis, accurately forecasting match results remains a challenging task due to the dynamic nature of team form and match conditions.

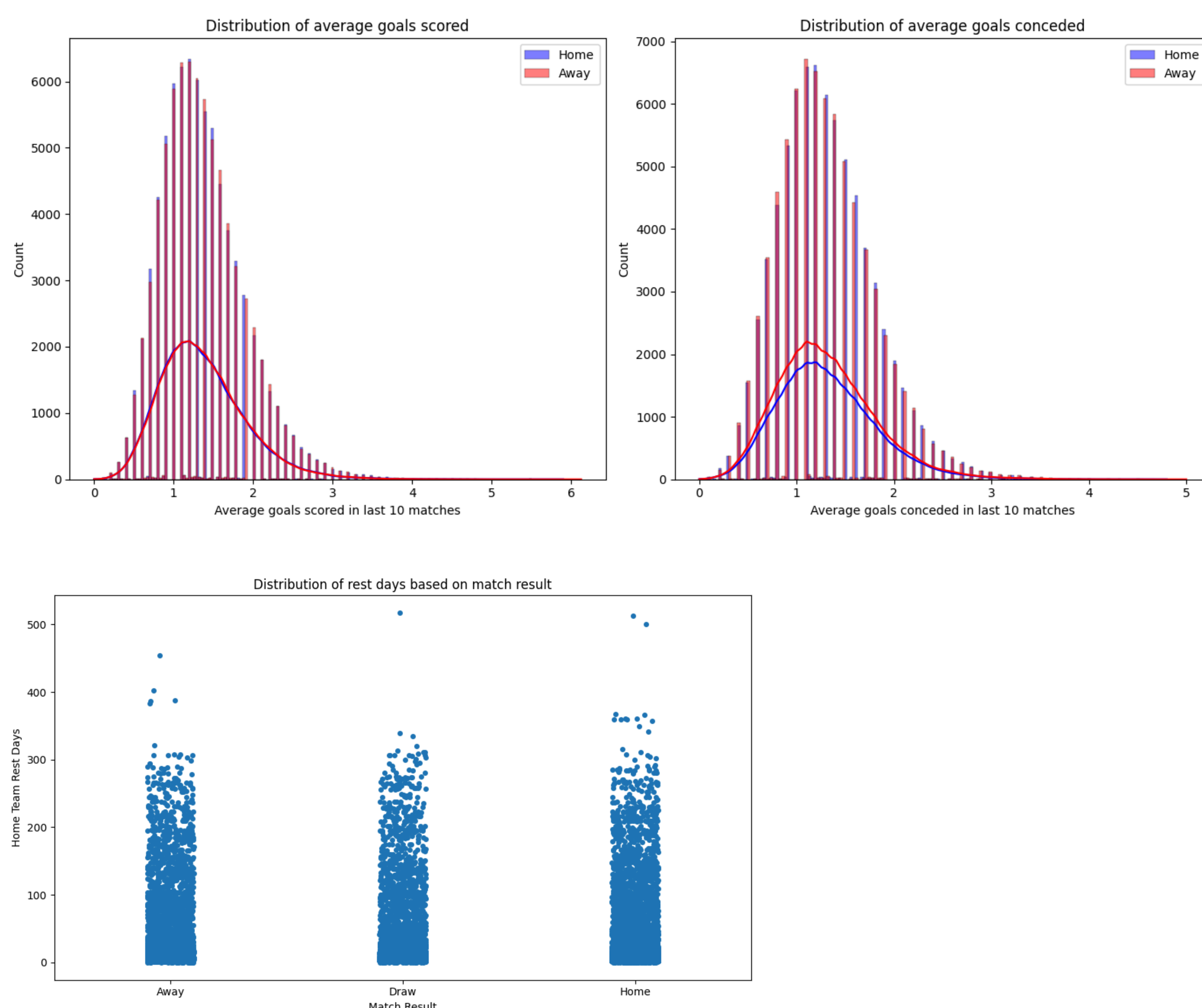
Objective

Use historical team performance data to calculate the results of future matches, considering the changing dynamics of team performance and the specific conditions of each match.

Model results (Random Forest Scaled)



Analysis



Methodology

Test different models according to the objective, trying to optimize the process by cleaning data and optimizing parameters.

Conclusion

None of the models gave optimal results, so more work must be done on data preparation so that they are able to find hidden patterns in the data.

A similar distribution in the business analysis graphs may suggest that the compared categories have very similar impacts or behaviors in the data, indicating balance or lack of significant differentiation between them.