 Which teams have the highest win rates at home?

 Is FG% or 3PT% more correlated with winning?

 How do rebounds affect game outcomes?

 Are there any seasonal performance trends?

|  |  |
| --- | --- |
| **What factors most influence home team wins?** |  |
| Which teams perform best under free-throw pressure?  How important is AST (assists) vs FG% in winning?  What’s the win-loss pattern across months or game days?  Which teams consistently outperform despite low shooting %?  You can build a simple classification model to **predict if the home team will win**:   * Features: shooting percentages, assists, rebounds * Target: HOME\_TEAM\_WINS * Use: Logistic Regression, Random Forest, XGBoost   This is a great way to:   * Practice feature selection and importance * Evaluate model performance * Visualize decision boundaries  🚀 Bonus: Add More Data (Optional) You could enrich your analysis by:   * Mapping TEAM\_ID to actual team names * Adding player stats or injury reports (from NBA APIs or Kaggle) * Adding betting odds to compare model predictions to market odds |  |

Distribution of Home and Away Team Points

Home Win Rate vs. FG%, FT%, and 3P%

Correlation Heatmap (Home Team Stats)

Home vs Away Team Stats Comparison (Scatter Matrix)

Average Points Over Time

Which Stats Matter Most for Winning at Home?