



SQL Sprint Final Presentation

This presentation analyzes the findings from a recent sprint. We'll review key metrics, prioritize conclusions, propose solution and offer recommendations for future.



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Key Metrics Overview

1

Home-Away Point Differential

- Average difference between points scored by home teams and away teams
- Quantifies the home court advantage, helping teams and analysts understand how much being at home impacts scoring

3

Field Goal Efficiency

- Average shooting percentage for 2-point and 3-point field goals, separately for home and away teams
- Measures scoring efficiency and can reveal strategic differences in how teams perform based on their location

2

Win-Loss Ratio

- Ratio of games won by home teams compared to games won by away teams
- Indicates the effectiveness of home teams in securing wins and highlights the competitive balance within the league

4

Assists-to-Points Ratio

- Number of assists divided by the total points scored in a game
- Reflects the effectiveness of team play and ball movement, indicating how well teams create scoring opportunities



Prioritized Conclusions

1

Home Court Advantage

- Home teams consistently score more points and win more games
- Factors: Familiar environment, crowd support and reduced travel fatigue

2

Close Game Outcomes and League Parity

- High correlation between home and away team scores
- Indicates tight competition and balanced team performances

3

Team Play and Scoring

- Strong correlation between assists and points, especially for home teams
- Highlights the effectiveness of coordinated offensive strategies



Proposed Solution

Problem

Significant home court advantage creates an imbalance in team performance and game outcomes, leading to predictable results and reduced fan engagement

Solution

1. **Data-Driven Schedule Optimization:** Create balanced schedules considering travel distance and rest days
2. **Away Team Support Initiative:** Standardize accommodations and facilities for away teams
3. **Referee Training and Monitoring:** Enhance training to mitigate biases and use AI for real-time officiating oversight
4. **Player Preparation Programs:** Implement programs to help players manage travel fatigue
5. **Fan Engagement Balancing:** Innovate ways to engage away team fans, such as virtual reality experiences

Benefits

- **Improved Competitive Balance**
- **Enhanced League Parity**
- **Increased Fan Engagement**
- **Player Welfare**
- **Officiating Integrity**
- **Data-Driven Decision Making**
- **Innovation Leadership**



Future Recommendations

Outcome

The sprint successfully achieved its goals, suggesting to **Implement "Balanced Court Initiative"**

Recommendations

- Phase 1 (Immediate): Schedule optimization and officiating enhancements
- Phase 2 (Next Season): Away team support program and team play incentives
- Phase 3 (Long-term): Fan engagement equalization strategies