

FOOTBALL ANALYSIS REPORT

Introduction:

This report comprehensively analyses the Football Strategy Dashboard created in Power BI. It conglomerates several key points into one place to deeply analyse how different play options are evaluated and disposed over the course of a game. Cleaning was done directly in Power BI to ensure accuracy.

In this high-paced world of football, where decisions are made in less than a split second that may turn the entire game around, there exists a need to understand such patterns and confidence levels behind these choices. Besides, the dashboard identifies not only those strategies that are most used but also those that teams have the highest degree of confidence in. We can identify general trends in the metrics, isolate areas to improve on, and support data-driven recommendations to optimize on-field performance and decision-making.

Key Metrics:

1. **Total Scenarios:** The dashboard reflects analysis across 3,700 different football scenarios.
2. **Number of Judgements:** A total of 22,800 judgments were made across these scenarios.
3. **Average Confidence Level:** The average confidence level for the decisions made is 0.76, suggesting a relatively high level of certainty in the judgments rendered.

Key Findings:

1. **Strong Preference for Offensive Strategies:** Teams show a clear preference for offensive plays, particularly passing and running. These strategies are not only the most frequently selected but also inspire the highest levels of confidence and trust. The data indicates that teams are more confident when taking offensive actions, as opposed to more conservative choices like punting or kicking a field goal.

2. **Lower Confidence in Defensive or Conservative Plays:** Plays like "punt" and "kick a field goal" have noticeably lower confidence and trust levels. This suggests that these strategies are viewed as less likely to lead to positive outcomes. The low confidence in the "kneel down" option suggests it's typically reserved for specific situations, likely when the primary goal is to secure a win.
3. **Situational Dependency:** The "Don't know/It depends" choice, though rarely selected, represents situations where the decision is highly dependent on context. This could involve factors like the game clock, score, or field position, which significantly influence the decision-making process.

CONCLUSION:

The Football Strategy Dashboard underlines insights into decision-making processes and confidence connected to various football strategies. Teams will be engaged in emphasizing offense plays and reassessing the efficiency of more conservative strategies to find ways to improved overall performance. Moreover, a key factor toward success in less predictable gameplay will be placing greater emphasis on scenario-specific training and making better judgments during unsure situations.