

Problem Statement Document: Virat Kohli Performance Analysis

1. Introduction

This document provides a comprehensive analysis of the performance of Indian cricketer Virat Kohli based on historical match data. The analysis aims to explore various aspects of his batting performance, including total runs scored, average runs, performance at different batting positions, types of dismissals, and runs scored against different oppositions.

2. Objective

The primary objective of this analysis is to gain insights into Virat Kohli's batting performance using historical data. The analysis covers the following key areas:

- Total runs scored over a specified period.
- Average runs scored per innings.
- Performance across different batting positions.
- Types of dismissals and their frequency.
- Runs scored against various oppositions.

3. Data Description

Dataset: The analysis is based on a dataset containing match-by-match performance data of Virat Kohli. The data includes the following columns:

- Match Number: Unique identifier for each match.
- Date: Date of the match.
- Runs: Number of runs scored in the match.
- Balls: Number of balls faced.
- 4s: Number of fours hit.
- 6s: Number of sixes hit.
- SR: Strike rate.
- Pos: Batting position.
- Dismissal: Mode of dismissal.
- Inns: Innings number (1st or 2nd).
- Opposition: Opposing team.
- Ground: Ground where the match was played.

4. Conclusion

The analysis provides a detailed view of Virat Kohli's performance in various match situations. The insights can help understand his strengths and weaknesses, his consistency, and his performance trends across different batting positions and against different oppositions.