**Project Title:** T20 World Cup 2022 Best Squad Analysis using Power BI

**Project Description:**

**Objective:** The goal of this project is to leverage Power BI to analyze the player statistics from the 2022 T20 World Cup held in Australia and determine the best squad based on individual player performance.

**Project Components:**

1. **Data Collection:**
   * Gather data from reliable sources containing player statistics for the T20 World Cup 2022.
   * Key data points may include runs scored, wickets taken, strike rate, average, economy rate, etc.
2. **Data Cleaning and Transformation:**
   * Clean the dataset by handling missing values, duplicates, and outliers.
   * Transform the data to ensure it aligns with the analysis goals.
3. **Data Modeling:**
   * Create a data model in Power BI to represent the relationships between different tables (e.g., players, teams, matches).
   * Define appropriate measures and calculations to derive insights.
4. **Visualizations:**
   * Utilize various Power BI visualizations (tables, charts, graphs) to represent player statistics and team performance.
   * Include visuals for runs scored, wickets taken, batting and bowling averages, etc.
   * Create a dashboard that provides an overview of player and team performance.
5. **Player Performance Analysis:**
   * Identify top performers based on key performance indicators.
   * Compare batting and bowling averages, strike rates, and other relevant metrics.
   * Explore player consistency throughout the tournament.
6. **Team Composition Analysis:**
   * Analyze the composition of the best-performing squad based on individual player performances.
   * Consider the balance between batsmen, bowlers, and all-rounders.
7. **Interactive Filters:**
   * Implement interactive filters in Power BI to allow users to explore data dynamically.
   * Include filters for specific teams, matches, or time periods.
8. **Insights and Recommendations:**
   * Summarize key insights derived from the analysis.
   * Provide recommendations for the best squad composition based on the data.
9. **Report Generation:**
   * Generate reports within Power BI that can be easily shared with stakeholders.
   * Include commentary or annotations to explain noteworthy trends or observations.
10. **Presentation:**
    * Create a presentation summarizing the project, methodology, findings, and recommendations.
    * Deliver the findings to relevant stakeholders, such as team managers, cricket enthusiasts, or sports analysts.

**Expected Deliverables:**

* Power BI Dashboard with interactive visualizations.
* Presentation slides summarizing the analysis and recommendations.
* Documentation detailing the data sources, data cleaning steps, and data modeling choices.

**Benefits:**

* Gain insights into player and team performance during the T20 World Cup 2022.
* Facilitate informed decision-making for team selection and strategy.
* Showcase the power of data analytics in the context of cricket sports.

This project will not only provide a comprehensive analysis of player performance but also demonstrate the capabilities of Power BI in sports analytics.