**Introduction**

I’m excited to share the details of my latest data analytics project focused on Manchester United’s Premier League matches. This comprehensive analysis encompasses all their matches from the club’s history up to the present day. Leveraging data sourced from a dynamic website that keeps track of Manchester United’s games, my project features an auto-updating dashboard that provides real-time insights.

**Data Acquisition**

To begin, I used web-scraping techniques to gather match data from a website that continuously updates Manchester United’s fixtures and results. This data was then imported into Microsoft Power BI using the ‘import data from web page’ option. Power BI’s seamless integration with web data sources made this process efficient and straightforward.

A screenshot of a football match

AI-generated content may be incorrect.

Web scrapping

**Data Cleaning**

Once the data was imported, the next step was data cleaning. This phase involved ensuring that the headers were correctly formatted and named, a crucial step for accurate analysis and visualization. Given the structured nature of the sourced data, this process was relatively quick and smooth.

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Cleaned Data

**Data Visualization**

With clean data in hand, I moved on to visualization. Using Power BI, I created a series of dashboards and reports that provide detailed insights into Manchester United’s performance over the years. Key metrics included:

**- Total Number of Games:**An overview of all matches played.  
**- Games Won, Drawn, and Lost:** A breakdown of outcomes for every match.  
**- Performance Against Opponents:** Analysis of results against each Premier League team.

Additionally, I incorporated visual elements such as the Manchester United logo and the logos of their opponents, enhancing the visual appeal and usability of the dashboard.

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Web-scrapped for opponents url on Excel

**Predictive Analytics**

One of the most exciting aspects of this project is its predictive capability. By analyzing historical data, Manchester United can gain valuable insights into potential outcomes of future matches. The club can leverage these insights to prepare for upcoming games, either by identifying and following successful past patterns or by adapting and improving current strategies.

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Some of the Analysis

**Conclusion**

This project showcases the power of data analytics in sports. By automating data updates and utilizing powerful visualization tools, the analysis provides continuous, actionable insights. The ability to predict future outcomes based on historical data offers a significant strategic advantage, helping Manchester United to refine their tactics and improve performance on the pitch.

I look forward to seeing how this project can contribute to Manchester United’s ongoing success and to exploring further enhancements and applications of data analytics in sports.