

Football Analytics

Intermediate Status Report

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1. Progress towards the goal achieved so far:

- In the initial phase of the project, significant progress has been made towards achieving our goals. We have successfully defined the project objectives and established project management tools for efficient coordination. Football data collection from diverse sources is underway, laying the foundation for our analysis. Our databases, MySQL and MongoDB, have been installed and structured, with data import processes initiated.
- Moreover, the utilization of PowerBI and Python has enabled us to delve into the data, uncovering valuable insights. Moving forward, we are poised to streamline data transformation processes, bolster security measures on AWS, and rigorously test and optimize our setups to ensure seamless functionality.

2. Findings / results so far:

- The findings and results achieved thus far underscore the project's promising trajectory. Initial analysis of football data has revealed intriguing patterns and trends, laying the groundwork for deeper insights. Through the utilization of PowerBI and Python, we have generated basic charts and graphs, illuminating key aspects of the data.
- Furthermore, database setups have been established, fostering efficient data storage and management. As we progress, these preliminary findings will serve as a springboard for more comprehensive analysis and the extraction of actionable insights to inform decision-making in the realm of football analytics.

3. Difficulties being encountered and how you plan to resolve them:

- While progressing through the project, several challenges have emerged. One notable difficulty is the integration of data from disparate sources into our databases, requiring careful consideration of data formats and structures. To address this, we plan to refine our data import processes, potentially leveraging additional tools or scripts for seamless integration. Additionally, ensuring data accuracy and consistency poses a continual challenge, necessitating thorough validation and cleansing procedures during the data transformation phase. We aim to overcome this hurdle by implementing robust quality control measures and refining our data cleaning techniques using Power Query.

4. Remaining tasks:

- As we progress towards project completion, several key tasks remain on our agenda. Firstly, we need to complete the data transformation phase by thoroughly cleaning and organizing the football data using Power Query, ensuring its readiness for analysis.
- We still need to make sure the football data we gathered is tidy and ready for us to study.
- We need to check if all our databases and ways of moving data around are working properly. If not, we'll fix them.
- We want everything to work as quickly as possible, so we'll make some adjustments to speed things up.

5. Any others that you think is relevant:

- Once the data is cleaned up, we can dig deeper to find interesting patterns or trends that can help us understand football better.
- We can use tools like graphs or charts to make the data easier to understand for everyone, not just experts.
- It's important to share our progress with others involved in the project and gather feedback. We can then make any necessary adjustments or improvements based on this feedback.
- The field of data analysis is always evolving, so it's essential to stay updated on new techniques or technologies that could improve our project. We'll set aside time for learning and exploration.