## **Project One**

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| Project Title: | **Top 5 European Leagues Analysis Project** |

## **Team Members**

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| **Names:** |
| **Hany Sedarous** |

## **Project Week Timeline**

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| --- | --- |
| Date | Subject |
| 09/15/2020 | Project Intro, Collaboration with Git, & Project Work |
| 09/15/2020 | Pulling and Merging with Git & Project Work |
| 09/16/2020 | Hypothesis Testing and Statistical Tests & Project Work |
| 09/17/2020 | Project Work |
| 09/19/2020 | Project Presentation |
| 09/20/2020 | Project Presentation |

## 

## **Project Description**

As Soccer is the most viewed game all over the world, I wanted to compare between the most famous and strong 5 soccer leagues in Europe to get some answers of the usual frequently asked questions.

* Top 5 leagues were determined based on ([sportytell.com](https://sportytell.com/soccer/best-soccer-leagues-world/)).
* In order to do so I used one of the most certified soccer statistics sources ([fbref.com](https://fbref.com/en/)).
* Once data extracted, we needed to consolidate it in two files for both players and teams.
* Phase three was about cleaning the data to get accurate figures.
* Then we started the analysis phase so we can get the required answers.
* With all answers ready, we started to present the whole project.
* Finally, all data pushed to Git.

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| **Questions**:   1. What Is The Best League In Europe? 2. Who Is The Best Team In Europe? 3. Who Are The League Champions? 4. Who Are The Top 5 Strikers In Europe? 5. What Is The Players Age Categorization? 6. Who Are The Top 10 Toughest Players? |

## **Data Sources**

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| --- | --- | --- |
| # | Description | URL or Resource Link |
| 1 | Soccer Statistics FBRef | <https://fbref.com/en/> |
| 2 | Sportytell | [sportytell.com](https://sportytell.com/soccer/best-soccer-leagues-world/) |
| 3 |  |  |

## **Rough Breakdown of Tasks**

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| **Task** | **Completed?** |
| Extracting Data for top 5 European leagues | Yes |
| Creating 2 consolidated files | Yes |
| Cleaning data | Yes |
| Analyzing data | Yes |
| Finalizing charts | Yes |
| Final Presentation | Yes |

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## **How will you be using Git?**

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| Git Commit # |
| [Project Starter](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/fdec3ed3a5fd2d8dd42f7441dd8d1c55dd9bb990)  [Data Structure](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/a44fb6241b9f348acaac845f556b46663228bc48)  [Creating CSV file (teams)](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/1b083b336607b01aaab1f053ba648b426171c79f)  [Update European-Leagues-Analysis-Teams.ipynb](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/8a6fe800b01b16c40eb5e1c9e1c00ee3e6a55e34)  [Analysis Phase](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/b46669c98392ca7fee78bf81468e0e4edc07cf49)  [Finalizing Analysis Phase](https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project/commit/e78b65cf6d3269c376c9f0ac7337b3c56c983554) |

## **Repo Link**

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| Repo URL |
| <https://github.com/HanySedarous/Top-5-European-Leagues-Analysis-Project> |

## **Presentation**

[Top 5 European Leagues Analysis](Top%205%20European%20Leagues.pptx)