Back to Glory - Manchester Utd

Alpha Release - April 12th 2021

Student - Rubin Johny
Email - rjohny@dons.usfca.edu
Github Link - https://github.com/rubinjohny/back-to-glory
Website Link - https://back-to-glory.herokuapp.com/

Overview

Manchester United are among the top football teams in the world. A major part of their success was defined by their manager Sir Alex Ferguson over the years 1986-2013. However, Manchester United took a heavy blow after he retired in 2013. The club with the most number of premier league titles has failed to become champions since. Manchester United was managed by top prolific managers including Jose Mourinho, Louis Van Gaal, David Moyes and the current manager Ole Gunnar Solskjaer post Ferguson era. With this project, I intend to study how the team fared under each of the different managers in a story format.

Completed Features

1. Part 1 - Analysis of team performance during Ferguson era
2. Part 2 - Degradation of the team's performance post Ferguson era
3. Filtered and cleaned the data
4. Installed and learned how to use "react-scrollama" (library for ReactJS)
5. Wrote scripts for automatic deployment on heroku on commits
6. Developed reusable line charts (non-interactive)

Upcoming immediate milestones

1. Part 3 - Individual manager study
2. Part 4 - Top Player Contribution
3. Implementing "react-scrollama"
4. Make charts interactive

Road Blocks

1. The api that I intended to use has a limit of 100 requests per day. Additional requests are chargeable.
2. Finding a suitable and reliable library for storytelling using React. (unblocked)
3. Finding a consolidated dataset with all the data required to build particular charts. (I had to build mine for the initial graphs)

Alpha Release Rubric

Criteria	Comments
Appropriate use of Color	Used red/green to distinguish between post/pre Ferguson Era
This criterion is linked to a Learning Outcome Data Density & Data to Ink Ratio	I have used line charts to explain the success during the Ferguson era. I can implement storytelling to render charts. Additionally, I plan to let the users interact with the charts
Design & Aesthetics	I have used a minimal design keeping text on the left side and the corresponding charts to the right.
Lie Factor	No. I have used appropriate encodings
Visual Encodings	I have used line charts which contain position encodings. I have also used color encoding to distinguish between Ferguson pre/post era
Requirements of the Alpha stage	Yes the report meets all the requirements of the alpha release. Yes, it contains an overview of the project, discusses features that are complete, discusses upcoming tasks/milestones, and challenges faced so far. Yes, the report also contains 3 visualizations developed using D3/ReactJS.