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PREDICTING NFL WINS USING FANTASY DEFENSE POINTS

[GitHub Repo](#)

[Sportsdataio link](#)

Overview:

For this project, we are going to study whether we can predict NFL wins using fantasy defense performance. We chose this topic because despite not scoring points, defense can be very key in successes, and fantasy points are a good way to quantify a defensive performance. This data will also allow us to investigate more specific breakdowns of the defense and find statistics that are key in a winning performance.

Plan:

Our plan is to read the data into pandas through the API stream and apply machine learning models to predict wins. If the data proves to be too large to store with pandas, we may use SQL. The API also may prove to be too expensive or complex to extract the information we would like. In this case, we may need to search for alternative public datasets, but luckily there are many available that apply to our question.