Final Project - Check in 2

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INST326: Object-Oriented Programming for Information Science

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Github: https://github.com/ziowm/FFHelper

Instructions to run program:

Download 3 CSV Files and place them in the same directory as python script. Then run the program by entering “python3 ffhelper.py” in the dedicated terminal.

What has been working?

We added CSV files for each team’s offensive and defensive stats in Fantasy Football. These files are necessary in order for the program to function correctly. With these files, we are able to generate data, and with the addition of a schedule csv file, simulate team schedules in order to garner the expected record of each team.

What has not been working?

The expected records generated for each team feel inaccurate, as there are numerous teams with perfect 17-0 records and winless 0-17 records. In addition, many of the records are not accurate to their teams. For example, using our current methods, the Super Bowl champion Kansas City Chiefs had an expected record of 4-13 in the 2023 season, while the Washington Commanders, who had one of the worst records in the NFL in 2023, had an expected record of 12-5 according to our formula (this is before they drafted star quarterback Jayden Daniels).

What can you do differently to address what hasn't been working?

We are likely going to change the formulas and methods in order to reflect more accurate expected records. The method we are considering changing to is finding the expected points per game and points against per game on offense and defense respectively by finding a linear regression line that correlates fantasy points to expected points in actual games. We will then try to find an expected win-loss record using the expected points for and against that correlate to the fantasy points for and against.