README for Chess Masters

This folder contains everything needed to run the analysis we conducted

1. Start with cleanChess.R as it reads in Chess.csv and turns it into a data frame that will be used by every other file.
2. Source funky.R as it stores all of the functions needed to run the following files
3. “chessDF.rdata” is the data frame that has been saved and can be called by any file. This data frame is the output from “cleanChess.R”
4. eloChess.R handles all analysis regarding Elo scores and their residuals
5. OpeningFrequency.R will produce graphs for white and black that show their most popular opening moves
6. Visualizations.R will create a graph that shows the top 10 most frequent openings and their win/draw/loss percentages.
7. This folder contains another folder “chess-app” This folder contains the shiny app files. Three files are contained in this folder. Helper.R contains all the helper functions, server.R does all of the background work as ui.R produces a user interface
8. Chess.csv is the .PGN file that we turned into a .CSV extension. It is not actually a CSV file, and is only read in during “cleanChess.R”