Project 1 Rubric: "Data Analysis. Chess Tournament" (90 points)

Provide code easy to follow, with good explanatory text (66 points)
Read file from an accessible location, e.g. GitHub or DropBox. If you instead provide a reference to a path of your local machine (e.g. "C:/Users/gerso/Documents/DATA-607/"), then your code is press reproducible.   (5 points)

From the cross-tables, choose only the player's opponents and average pre-rating of their opponents, both for players who played all of the scheduled games (8 points), and for players who had one or more unplayed games (e.g. byes, forfeits). (5 points).
Are average ratings presented to nearest full-point accuracy? (2 points)

When you write your .CSV, do not include a relative path (e.g. "tournament.csv" instead of "C:/Users/gerso/Documents/DATA-607/tournament.csv"), so that your code is more reproducible. (2 points)

Include a link to your GitHub repo and rpubs showing all code in your project submission. (2 points)

Using the provided ELO calculation, determine each player's expected result (number of points), based on his or her pre-tournament rating, and the average pre-tournament rating for all of the player's opponents. Which player scored the most points relative to his or her expected result? (3 extra-credit points).