Matchup Trends Observations:

1. Stronger trends are recorded earlier in the season. This is likely because there are fewer games to “interfere” with the trends – easier to happen to get a strong trend when only a few games are present
2. Point #1 below will filter many of these situations where we get a very high or low matchup EGO because a team happened to play opponents whose rankings were closely grouped together and a new opponent was far from the grouping

Matchup Trends To Do’s:

1. Account for full range of possible opponent ratings in matchup trends – if played only teams with 65, 71, 80, 84 ratings then no real trends since missing a lot of ratings
2. Try centering the middle EGO-score diff to 0 – opps with ~50 ratings will get a 0 EGO-spread diff
3. Try accounting for relative strengths of teams – the bengals suck at everything, so a rating of 40 might actually be a strength for them and we can discount it to be higher than 40 on the plots and thus in the predictions – this would cover the scenario by which it’s not the absolute strengths/weaknesses of teams but rather their relative strengths
4. Try discounting teams’ ratings relative to their opponents rating (Pats stats relative to shitty teams they played in 2019)

#1 is a filter we must apply to rid the data of outliers

#2 Is something that can be added independently to see if it produces better results

#3 is something that can be added independently to see if it produces better results

#4 is something that can be added in fine tuning later

Result of this analysis will give a score to ego difference that can be append to the DVOA EGO for a Final EGO