

Figures 1 to 7 are made with data about the races conducted during 2017-2021, the excitement index for each race is calculated using the comments of the corresponding races from youtube. The corresponding data is presented in the data folder as youtube-sentiments.csv

Using the data about races between 2017 and 2021 and the excitement index calculated using youtube comments of the races, we cannot statistically say that wet weather races cause greater excitement index though it has a greater positive effect on the excitement index.

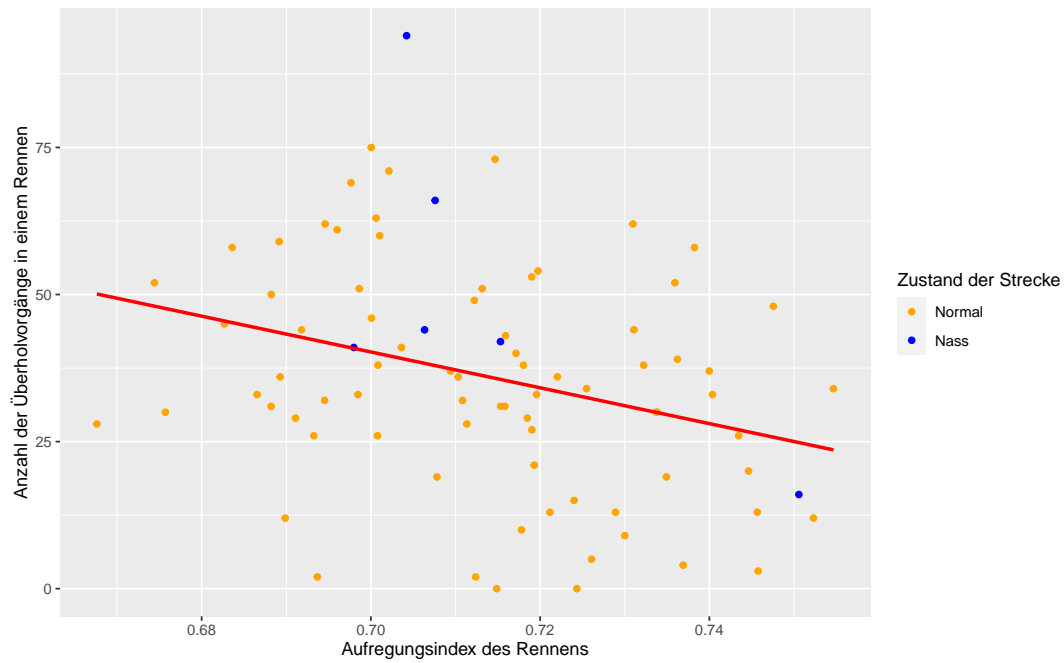


Figure 1: Relationship between the number of overtakes and excitement index of the race for races conducted during 2017 - 2021.

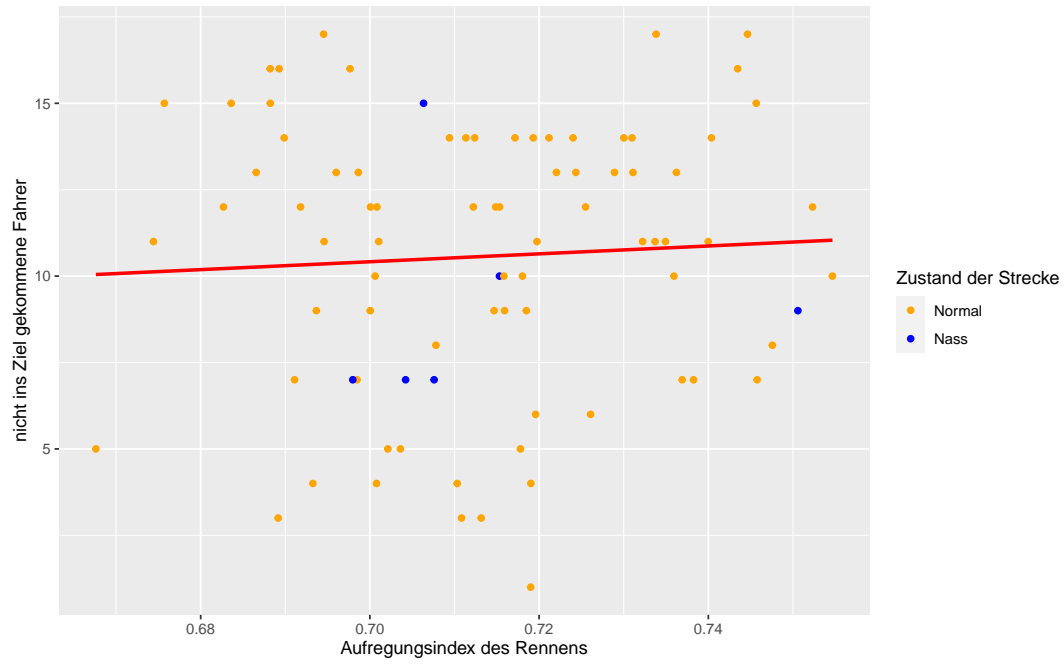


Figure 2: Effect of number of crashes and retirements in a race on the excitement index of the race.

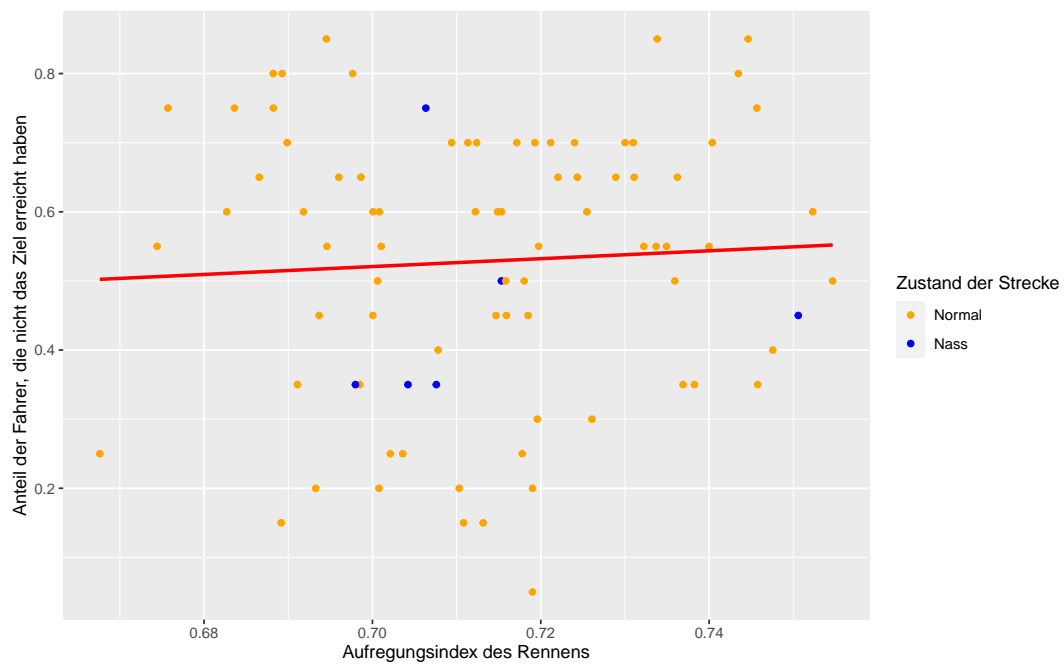


Figure 3: Effect of proportion of crashes and retirements in a race on the excitement index of the race.

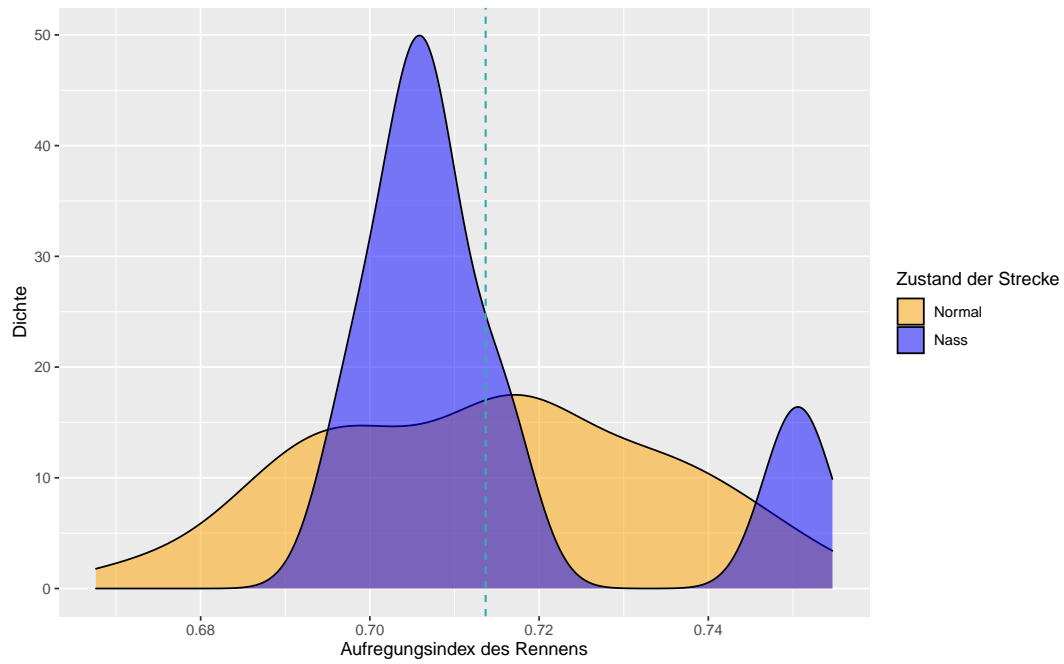


Figure 4: Comparison of excitement index of wet weather races and normal weather races using density plots along with vertical lines for the respective mean values. Here both the means are equal and is visible as one line.

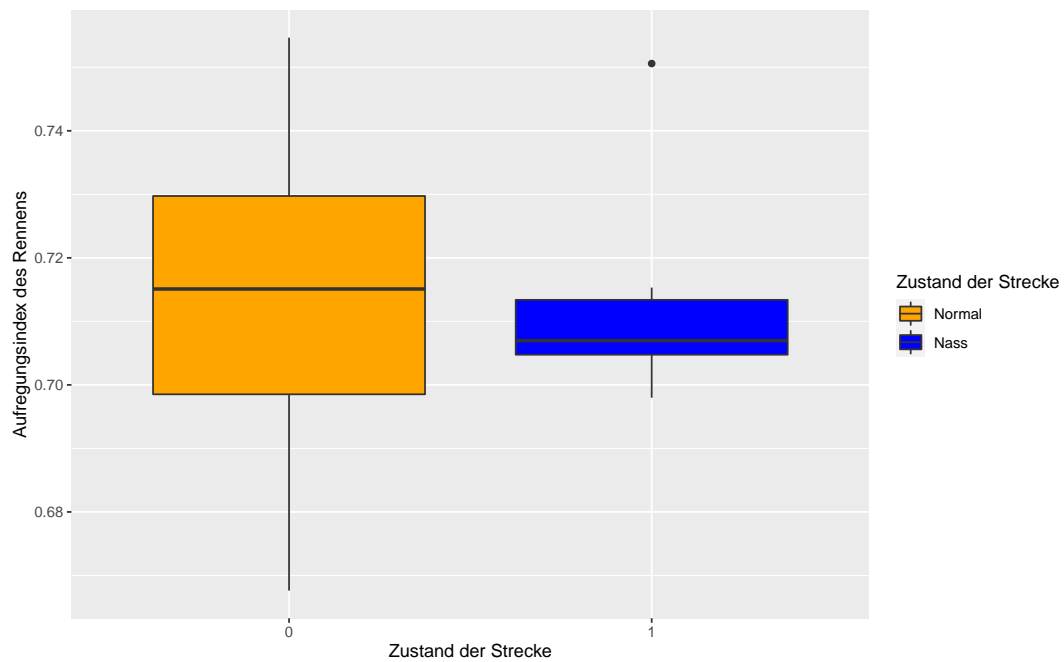


Figure 5: Comparison of excitement index of wet weather races and normal weather races using box plots.

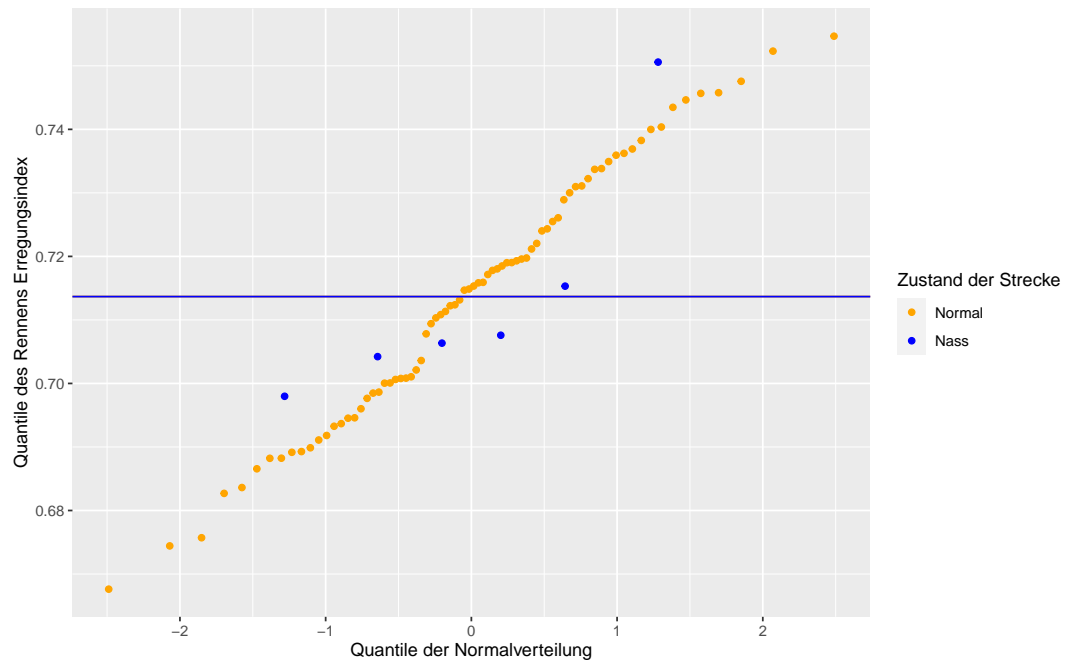


Figure 6: Comparison of excitement index of wet weather races and normal weather races.

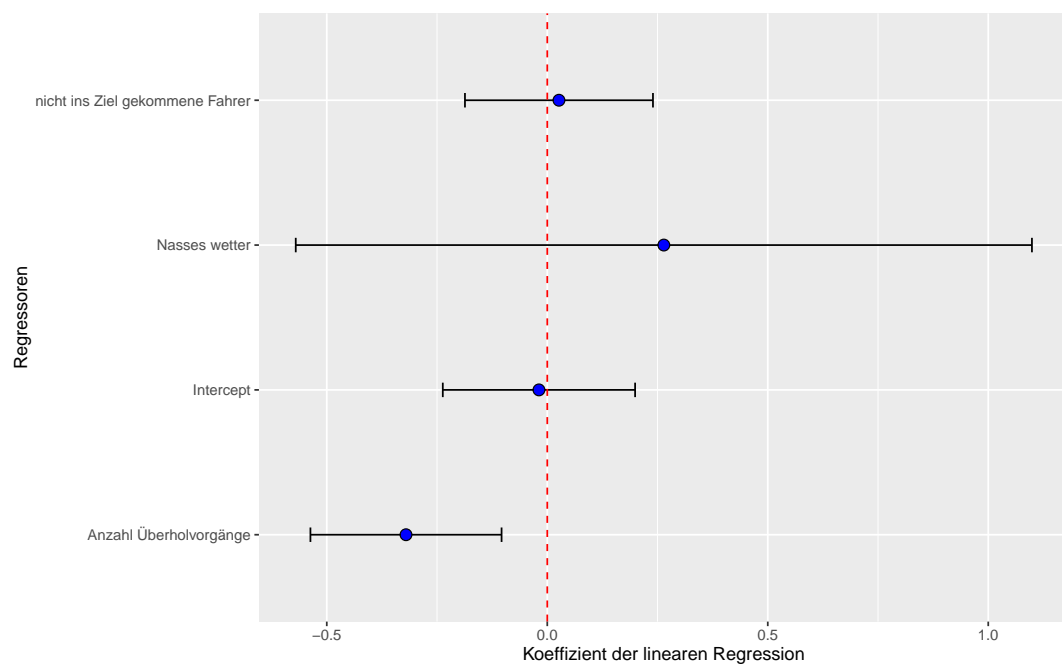


Figure 7: Comparison of effects of the 3 considered variables on the excitement index plotted on a number line.