Review of „ Jump high, fail hard: Investigating the correlation of jump rope patterns “ by André Novak (01601797)

The author’s goal is to capture specific motion patterns and coordination factors which influence the success of jump rope exercises within a motion capturing setup. In this case it would have been convenient to exactly list the body parts where markers have been placed for each participant.

For me it sounds difficult to really calculate “correlations” (a better word for me would be synchronisation) of body parts with different types of participants performing the jumping who are regularly failing. If the author successfully can clean the captured data to perform the calculation of the mentioned statistical tests to get significant statements answering her research question, I think there is an interesting potential in this research. The only thing missing in the calculation section is the null hypothesis against the tests were performed.

While the aim of the research is clearly stated, I momentarily can’t really see how the research question can be answered with the calculations which have already been carried out. The question is more about the success of the jumping, while the described methods cover the “correlation” between different body parts. If the author could find valid statements based on her calculations to find out if different movements determine the success of the jumping it would take the analysis to another level.