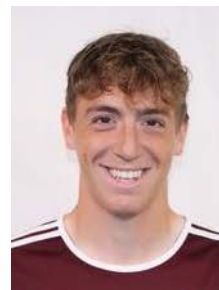


Comparative Analysis of
Division I and III Collegiate Soccer Data
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This research project aims to conduct an in-depth comparative analysis of athletic performance, focusing on men's and women's soccer athletes from NCAA Division I and Division III. The primary goal is to discern the disparities in strength/power and body composition between these two collegiate divisions, with a specific emphasis on in-season performance data. Participants for this study include athletes currently on the rosters of Michigan State University's (Division I) and Alma College's (Division III) men's and women's soccer teams.

To achieve this objective, data will be collected using various assessment tools. These include the NordBord for hamstring strength and power, the ForceFrame for hip and shoulder strength and power during rotation exercises, the ForceDeck for evaluating force and power production during vertical jump and landing exercises, and the Hologic Horizon W Dual Energy X-ray Absorptiometer (DEXA) for assessing body composition. Furthermore, Catapult Sport Data will be incorporated to enhance the depth of analysis, providing additional insights into player performance metrics across the 2022 and 2023 seasons for Michigan State's soccer teams.



The rationale for this study lies in gaining insights into the athletic disparities between Division I and Division III collegiate soccer athletes. The research seeks to provide a better understanding of distinctions in athleticism, strength, and power among athletes from different NCAA divisions. Through this comparative analysis, the research aims to identify the factors that truly define a college soccer athlete as "Division I." Ultimately, this study contributes to advancing our understanding of the nuanced qualities that set apart athletes in different collegiate divisions, shedding light on what it means to bear the label of a "Division I" soccer athlete.

Faculty Sponsor: Dr. Alexander Montoye, integrative physiology and health science