Conclusions:
The percentage of left-handed athletes in Major League Baseball is higher than the general population. (Figure 1)

- Left-handed athletes only play at some positions on the field: First Base, Pitcher and Outfield.
- Among positions with at least one left-handed player, there is a dependence between a player's position and the hand they throw with. The percentage of left-handed First Basemen is higher than Pitchers or Outfield. (Table 1)
- On average, right-handed Starting Pitchers have a higher career Earned Run Average (ERA) than right-handed Relief Pitchers. (Figure 2)
- Based on the number of games played in a career, the average length of a Relief Pitcher's career is longer for left-handed pitchers than for right-handed pitchers. (Table 2)
- Left-handed batters have a higher career batting average than right-handed and switch handed batters. Also, career average Home Runs (HR) and Runs Batted In (RBI) are lowest for switch hitters. (Figure 3)
- On average, Pitchers and First Basemen are taller than any other position. (Figure 4)

Future Work:
Ideas to look at in the future:
- Create a Minor League Baseball database
- Conduct similar analyses of Minor League data and compare to this study's results
- Determine the probability of a player in the Minor Leagues making it to the Major Leagues based on the player characteristics

References:

Acknowledgements:
This research was a result of a UR STEM summer undergraduate research experience supported by NKU FORCE: Focus on Occupations, Recruiting, Community and Engagement.