



جامعة مصر للمعلوماتية  
EGYPT UNIVERSITY  
OF INFORMATICS

Egypt University of Informatics  
Computer and Information Systems  
Data Analysis Course

# The Analysis of the Performance of Data Analysis Students

Submitted by: youssef ahmed youssef elsoulia

9/3/2023

## Introduction

As a college student, understanding the delicate balance between academics and personal well-being is crucial. In this report, we delve into the habits of our fellow students, exploring the connection between physical activity and academic performance. Picture this as your insider's guide to optimizing your college experience. Are those late-night study sessions complemented by a morning jog around campus? Does hitting the gym between classes boost your focus and productivity? Join us as we uncover the secrets to achieving academic success while maintaining a healthy, active lifestyle.

## Research Question

### **Impact of sport on your GPA**

## Hypothesis

We hypothesize that a robust correlation exists between consistent physical activity and academic excellence. It's not merely about burying oneself in textbooks; it's about sculpting both the mind and body, recognizing that hitting the gym is as vital as hitting the books in the pursuit of academic greatness.

## Population of Interest:

college students aged 18-25 enrolled in diverse academic disciplines across various universities.

## Sampling Method:

Random sampling was employed to select participants from the population of interest, ensuring equal opportunity for all students to participate and reducing sampling bias.

## Bias Identification:

In designing this survey, steps were taken to identify and minimize potential sources of bias. One potential bias could be response bias, where participants may be inclined to provide socially desirable answers. To mitigate this, the survey questions were designed to be neutral and non-leading, allowing participants to provide honest responses without feeling pressured.

## Survey Questions:

[Do you participate in any sports activities while attending college?]

[If yes, which sports, or athletic activities do you participate in?]

[On average, how many hours per week do you dedicate to sports activities]

[What is your current GPA in college?]

[Have you ever experienced any challenges balancing your sports commitments with academic requirements]

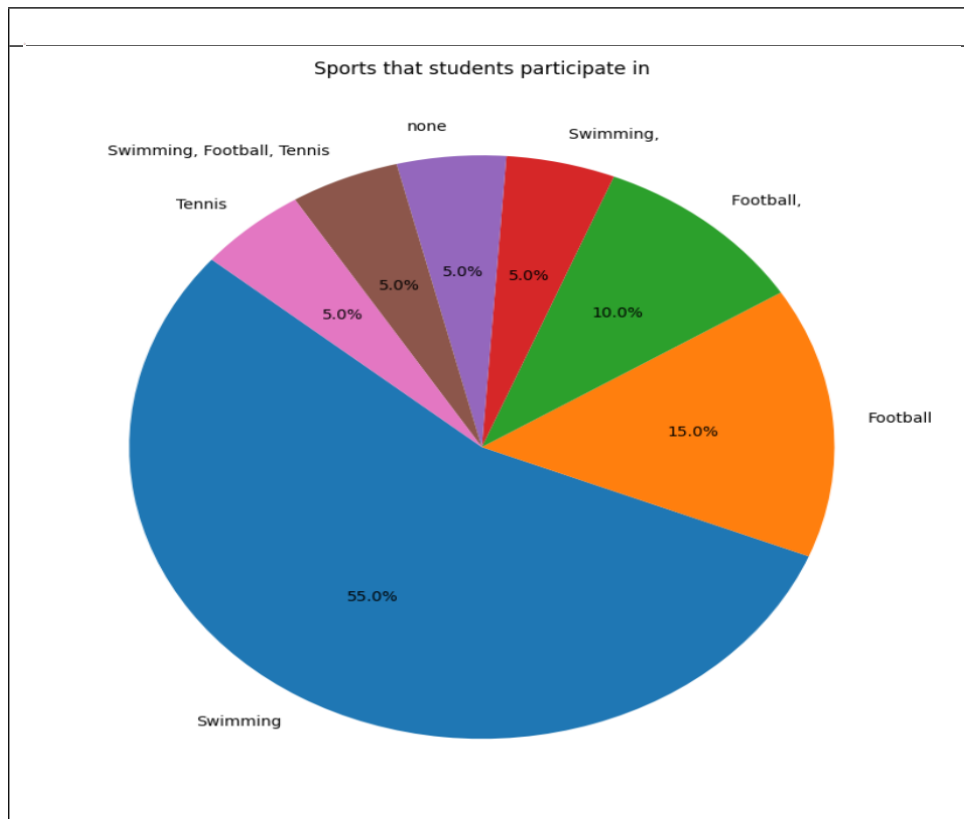
Online survey link:

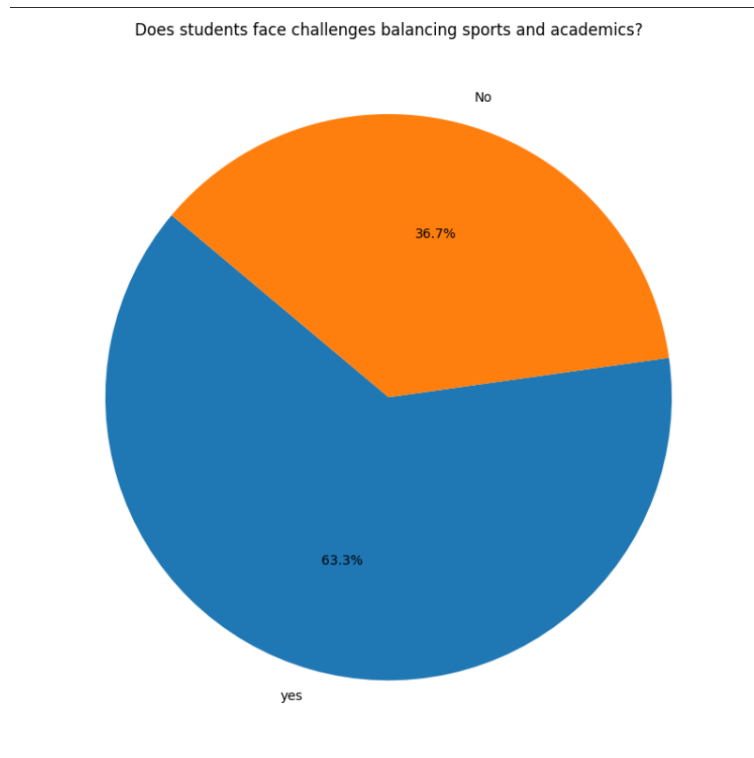
[https://docs.google.com/forms/d/e/1FAIpQLSdzPu6cXJkD0z6VUkBwCYfu-GVyGMCjZ9WQr7VgiwVqoWNSeg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdzPu6cXJkD0z6VUkBwCYfu-GVyGMCjZ9WQr7VgiwVqoWNSeg/viewform?usp=sf_link)

Number of samples collected: 30

## Analysis:

To analyze the data collected from this survey, we will calculate basic descriptive statistics such as the mean, median, and mode. We will also create visual representations of the data using charts and graphs to help identify any trends or patterns.





## Conclusion

In conclusion, the analysis of the data does not definitively support our hypothesis of a robust correlation between consistent physical activity and academic excellence. While there may be some indications of a positive relationship, further research and analysis are needed to draw conclusive findings.

## Any potential issues

One potential issue identified in the data collection design is the reliance on self-reported data, which may be subject to bias and inaccuracies. Additionally, the survey did not account for other factors that could influence academic performance, such as study habits, sleep patterns, and extracurricular commitments. These limitations should be considered when interpreting the results of the analysis.

Tips:

1. Please DO NOT include any code here.
2. Please make sure you format your document properly.