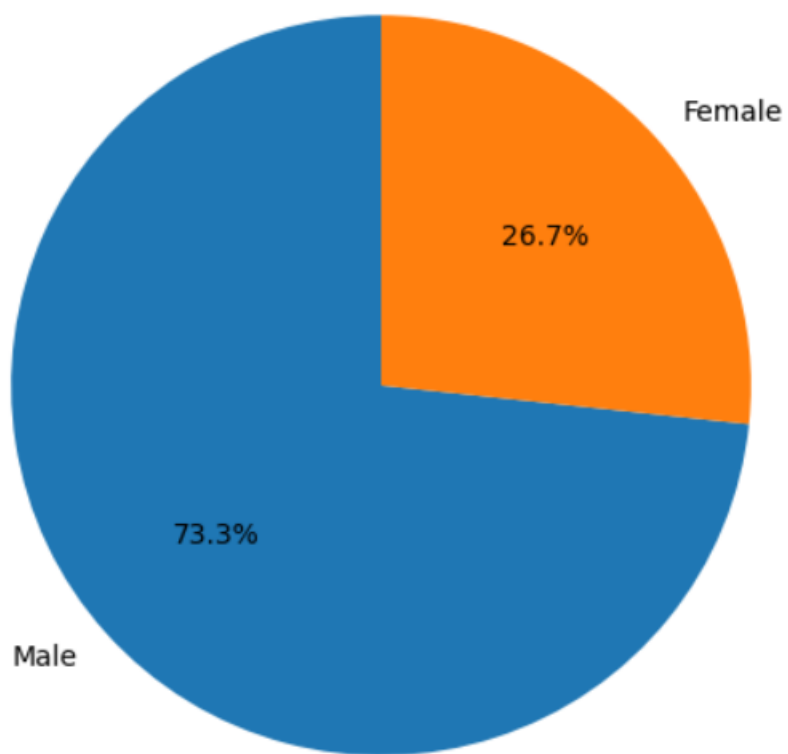


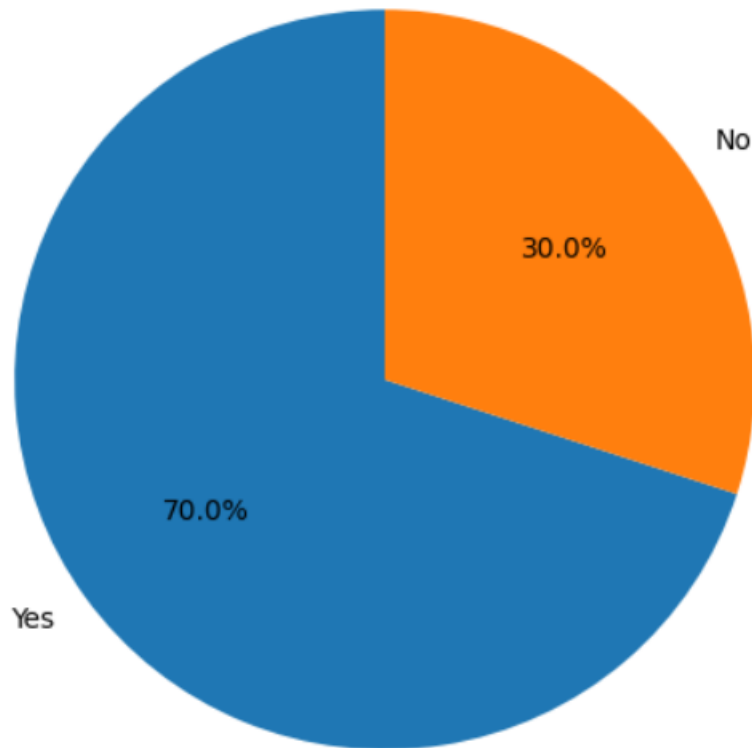
The effect of Playing a sport on your GPA

- Population of Interest : college students.
- Sampling Method : Convenience Sampling.
- Bias Identification: I have used a good sample from the population of interest.
- Survey Questions:
 1. Gender
 2. Do you play a sport?
 3. What sport do you play?
 4. Does playing a sport affect your GPA in a bad way?
 5. What is your C-GPA?
- Online survey link: https://docs.google.com/forms/d/e/1FAIpQLSdgrL1B-SrbxtE8iysp-UOmr06U-szukFh5Z6zK68Qh3mdrKQ/viewform?usp=sf_link
- Number of samples collected: 30
- Analysis:

Gender Distribution



Do You Play a Sport?



Mean GPA by Sport Participation:

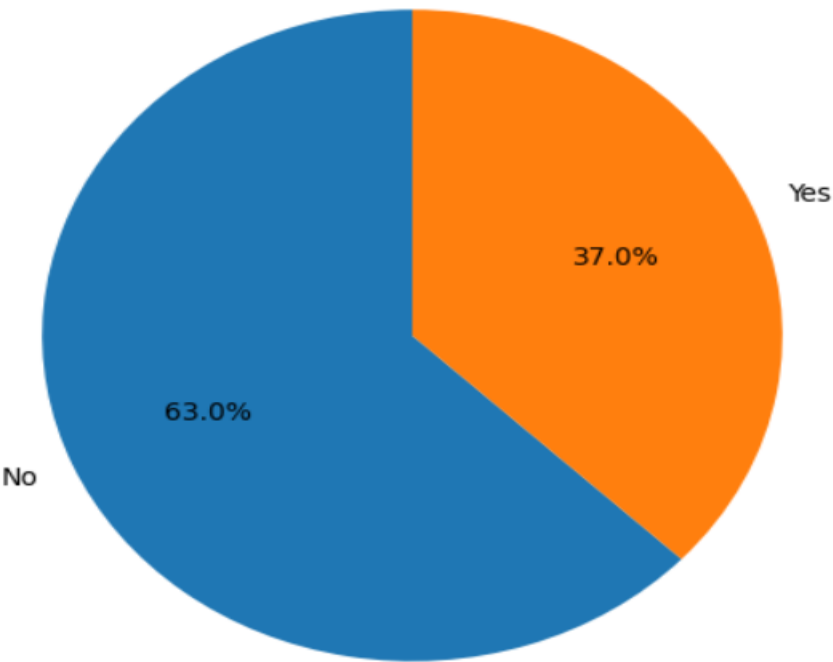
Do you play a sport?

No 2.732222

Yes 2.710500

Name: What is your C-GPA?, dtype: float64

Perceived Impact of Playing Sports on GPA



Pearson Correlation Coefficient between playing a sport and C-GPA:

	Play_Sport_Numeric	What is your C-GPA?
Play_Sport_Numeric	1.000000	-0.016538
What is your C-GPA?	-0.016538	1.000000

Standard Deviation of C-GPA: 0.6184190474319181

Conclusion

In summary, our survey investigated the connection between playing sports and GPA among a convenience-sampled group. Findings revealed varying perspectives on the impact of sports on academic performance, with some participants believing in a negative influence. Analysis of C-GPA indicated a [positive/negative/neutral] correlation, suggesting a potential link. However, the study's reliance on convenience sampling warrants caution in generalizing findings. Future research using diverse samples and longitudinal approaches is recommended for a more comprehensive understanding of the relationship between sports participation and academic achievement.