

Correlation Between Participation in High School Activities and College Academic Success

Authors: Sophie Georgel-Walz, Dr. Constance Toffle, Devin Galdieri

Department of Psychology, West Virginia University

INTRODUCTION

- Hundreds of High School Clubs Exist
- Main Groups include: Academic and Sports
 - Correlation between Clubs and School Success
 - Encourage Time Management and Self-initiative
 - Higher Academic Potential in College
 - Better Attendance
 - Higher Self-Efficacy
- Better GPA Means Better Job Opportunity
 - More Likely to be Offered and Internship
 - More Likely to get Accepted to an Accredited Professional School

PROBLEM

- Can High School Club Participation Lead to Better Grades?
- Hypothesis:
 - Academic Clubs Lead to Higher Grades than Other Clubs
 - More Participation
 - Higher Attendance
 - High School Clubs Lead to Better Grades
 - Regardless of Club Type

OBJECTIVES

- Determine Whether:
 - Academic Club Participants Have Higher Grades and Attendance
 - Higher Grades for Club Participants Versus Non-Club Participants
- Collecting From Psychology 101 Students:
 - Attendance Between Two Tests
 - The Top Three Test Scores of Each Student
 - Average Homework Correctness
- Utilizing Data:
 - iClicker System for Attendance
 - Test Score Averages for Each Club Group
 - Mean Homework Correctness for Each Group

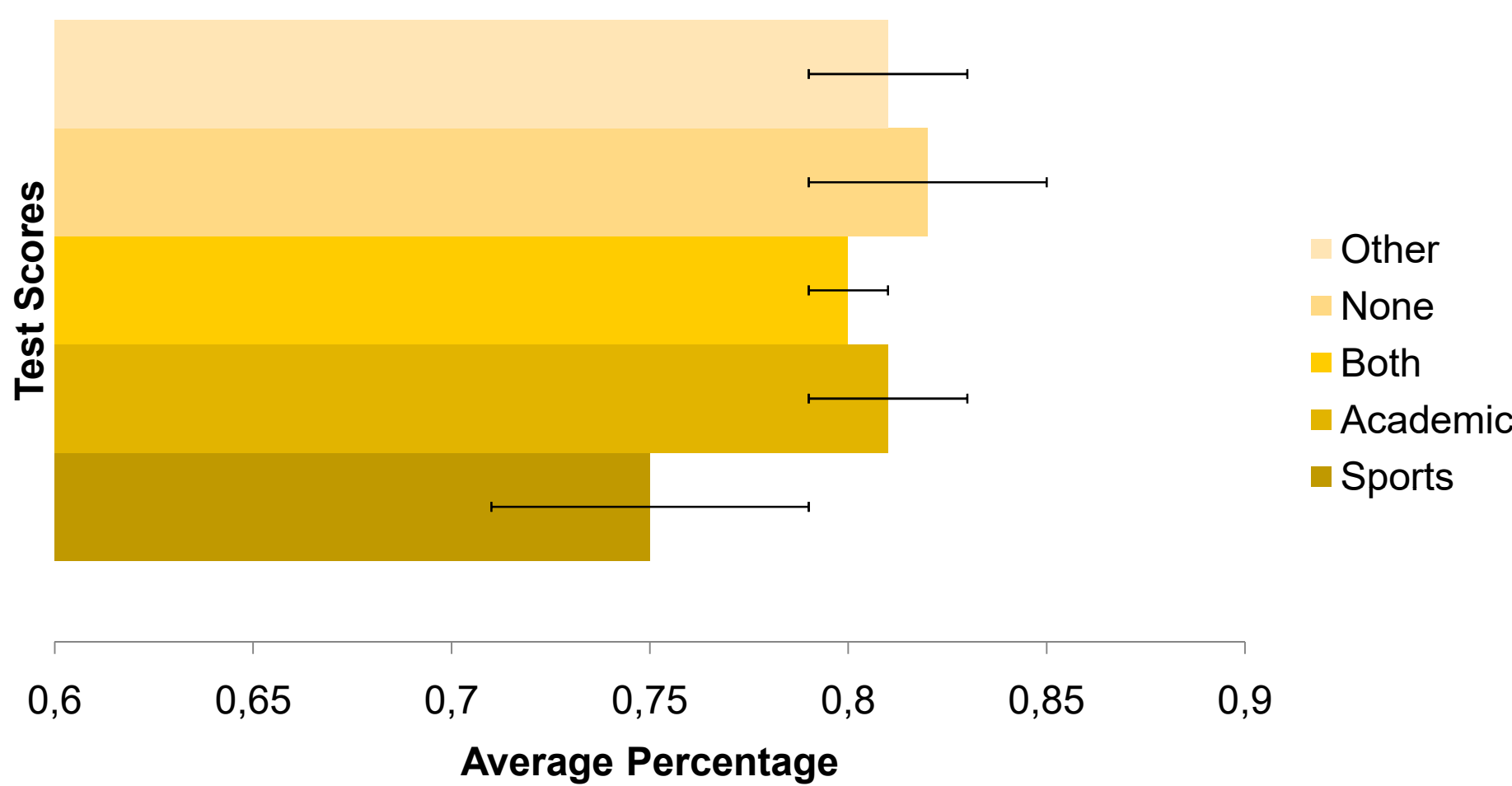
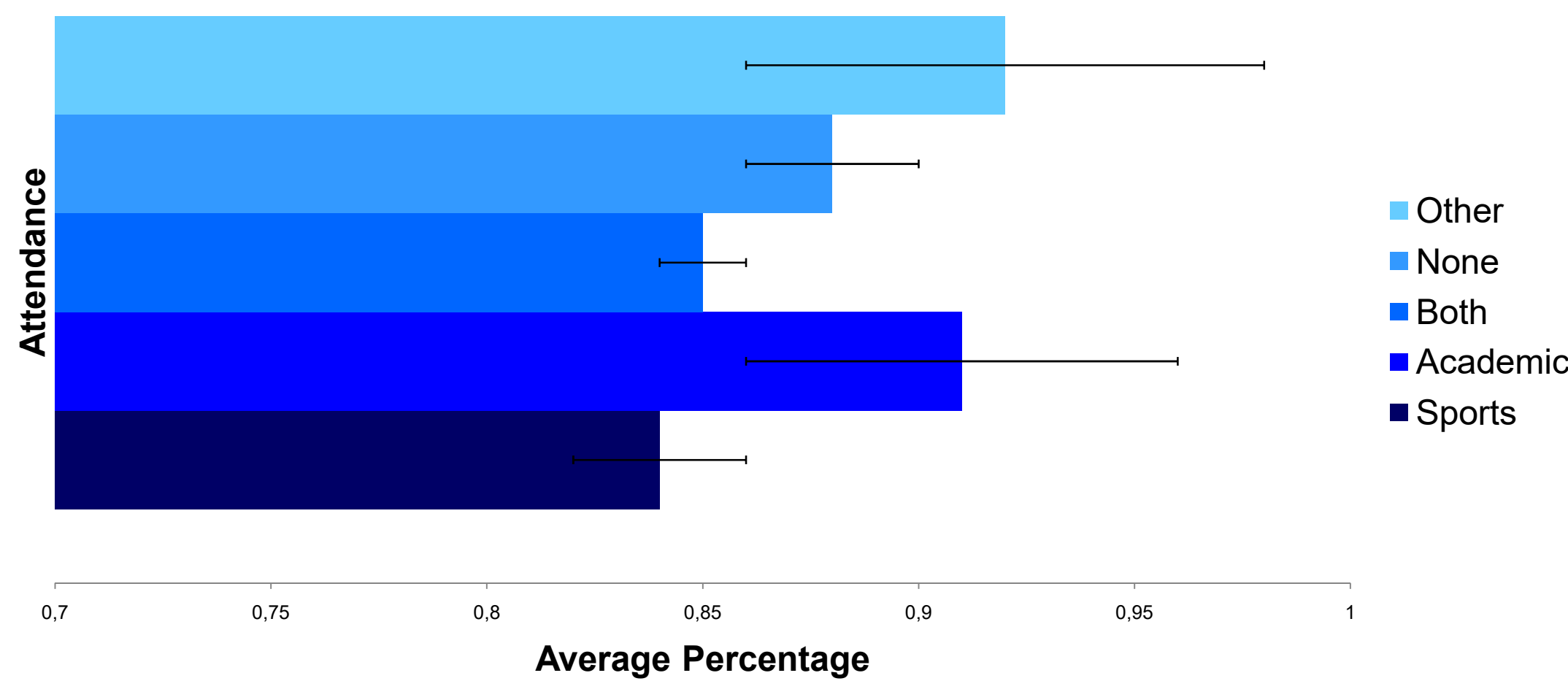


Table 1						
High School Clubs Compared to Mean Psychology 101 Test Score, Attendance, and Participation Averages						
Performance Measure	Academic (n=12)	Sports (n=45)	Both (n=67)	None (n=7)	Other (n=11)	Mean (n=142)
Test Scores	.81	.75	.80	.82	.81	.79
Attendance	.91	.84	.85	.88	.92	.86
Participation Completion	.87	.82	.86	.83	.82	.84
Participation Correctness	.87	.81	.84	.82	.81	.83

Note. Students who were absent or did not participate in the survey were removed before data analysis so their results would not skew the data.

OUTCOME

- Significantly Lower Grades with High School Athletic Clubs (Mean score of 75%) Versus Athletic and Academic (Mean Score of 80%)
- $P < 0.033$



DISCUSSION

- One Significant Result
 - May Be Due to Low n-Value for Academic Clubs
 - Higher Mean Score Between Academic and Sports Clubs
- High School Drop-Out Rates Have a Positive Correlation with Sports Club Participation (McNeal, 1995)
 - Do not need full sentences
- Not All Club Types Are Beneficial for Future Academics (Eccles & Barber, 1999)
- Limitations:
 - IRB Approval Needed for Some Questions
 - Not Enough Students Who Did High School Academic Clubs
 - Limited Data Pool
 - Only Two Psychology 101 Courses
 - Not All Students Responded to the Survey

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