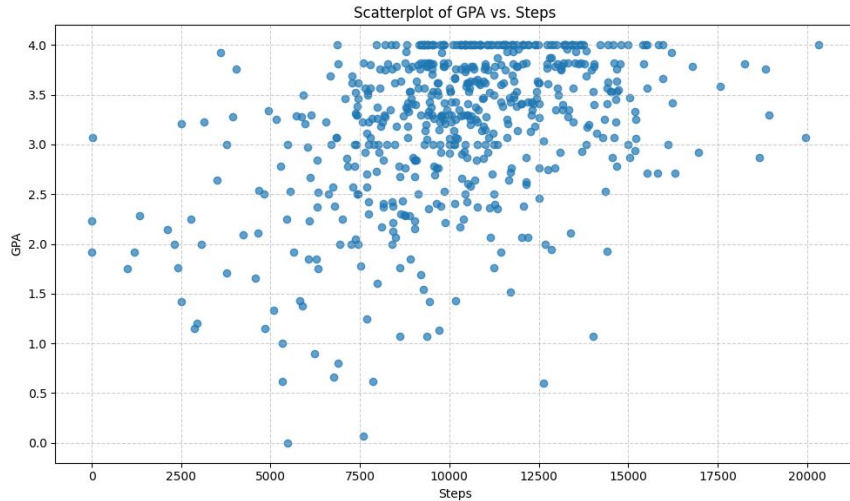
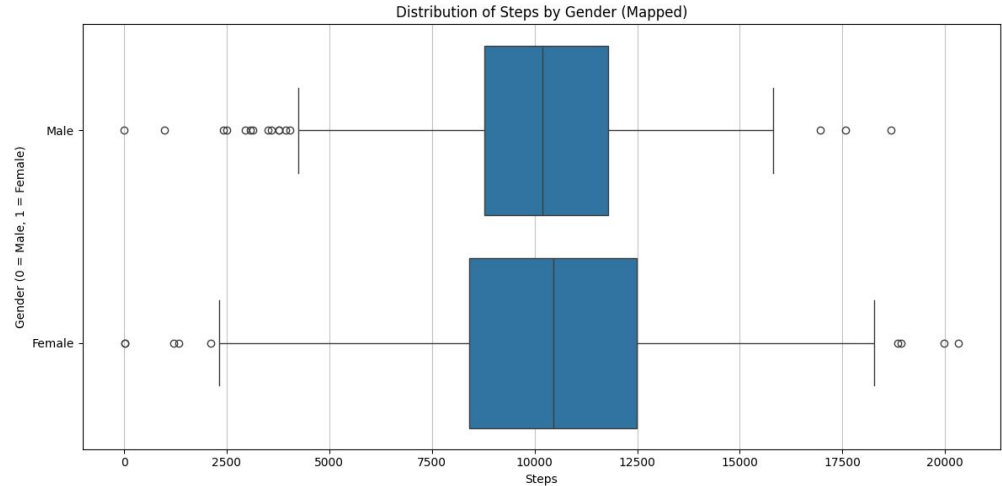


Is there a relationship between physical activity and academic performance in college-aged students?



Examines whether daily step count is related to GPA using data from 581 first-semester college students.

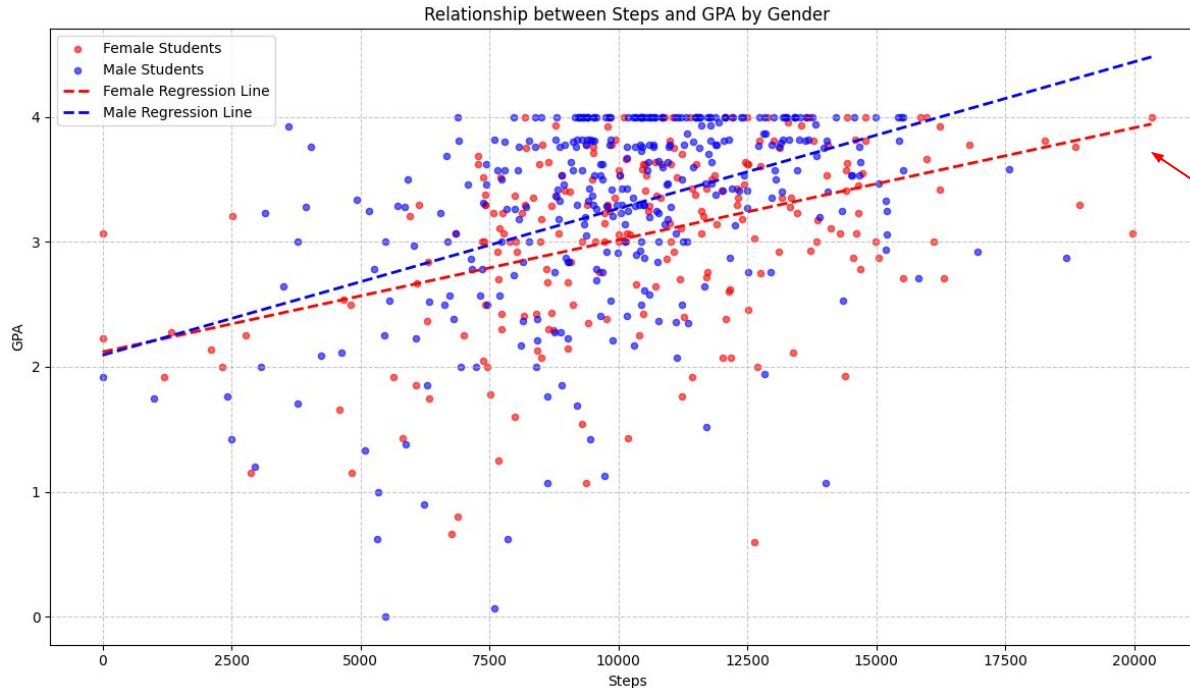
Scatterplot provides a visual look at the relationship between physical activity levels and academic performance.



Gender is included as a control variable, allowing us to account for GPA differences between male and female students when analyzing the effect of steps.

Is there a relationship between physical activity and academic performance in college-aged students?

For every additional step, there is a 0.0001 point increase in GPA ($\beta_2 = 0.0001$, $p < 0.001$)



Females show a slightly smaller increase in GPA per step than males, but this difference is **not statistically significant**

($\beta_3 = -0.0000227$, $p = 0.133$)