

Project 1: Simple Data Comparisons (Option A)

Step 1

Student Status, Exercise, Hours Worked, Parent.

Student Status vs. Exercise, Student Status vs. Hours Worked, Student Status vs. Parent

- Part-time students exercise less than full-time students. (alternative)
- Part-time students work more hours than full-time students. (alternative)
- Full-time students are equally as likely to be parents than part-time students. (null)

Step 2

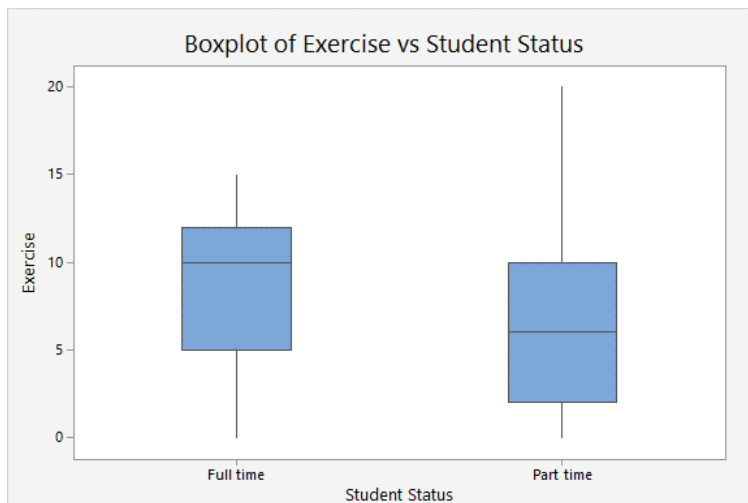
- Student Status (Categorical) vs. Exercise (Numeric) - Descriptive Comparison & Boxplot
- Student Status (Categorical) vs. Hours worked (Numeric) - Bar Chart
- Student Status (Categorical) vs. Parent (Categorical) - Cross Tabulation

Step 3

Student Status vs. Exercise

Statistics

Variable	Student Status	N	Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Exercise	Full time	17	8.059	4.479	0.000	5.000	10.000	12.000	15.000
	Part time	14	6.357	5.597	0.000	2.000	6.000	10.000	20.000



Student Status vs. Hours worked

Add Minitab output here.

Student Status vs. Parent

Add Minitab output here.

Step 4

Student Status vs. Exercise

My hypothesis was that part-time students exercise less than full-time students. Based on the results of my comparison of these variables I found that on average part-time students exercise X hours a week and full-time students exercise Y hours per week. This information [SUPPORTS, DOES NOT SUPPORT] my hypothesis.

I [expected, didn't expect] these findings... [explain].

Student Status vs. Hours worked

Add explanation here.

Student Status vs. Parent

Add explanation here.