**Student Grades Vs Student Extra-Curricular Activities**

Chart, pie chart

Description automatically generated

48.536%

51.464%

On performing linear regression on a dataset sample describing the observations for several students’ participating or not participating in extra-curricular activities and their grades (out of 649) the following graphical relation was obtained in the case of traditional education:

From the next graph we can deduce that there is a no relationship between students’ grades and participating in extra activities since the slope is quite horizontal.

Chart

Description automatically generated

Grades

No

Yes

**Text

Description automatically generated**

**Accept null hypothesis**

The Independent t-test results are give us p-values larger than 0.05 which makes us accept the null hypotheses that there is no relation.

Conclusion:

There is no dependency of final grades with students’ participating or not participating in extra-curricular activities.