

Q # 6 falls under - enjoyment and person # 1 disagree to the content of the question, the answer is "-1", which is located where the column and the row meet. While for the same question, person # 6, the answers was neither (0), person # 11 having a scale of "+1" means he agreed with the content of the question.

Our group worked on changing the scale to each question for each person. Answers were copied on an excel spreadsheet.

T-test is definite as a statistical tool to evaluate hypotheses about group level difference in outcome it assessed whether the mean of two groups are statistically different from each other in our case we will use two-Sample t-test, which is where the outcome levels of two groups are compared to each other.

Several T-tests were preformed, and the results were as follows;

T-test between answers to questions 1 & 2

2-SampTTest

$\mu_1 \neq \mu_2$
 $t = -.1709660977$
 $P = .864776044$
 $df = 65.67842003$
 $\bar{x}_1 = .6470588235$
 $\downarrow \bar{x}_2 = .6764705882$

Nice screenshots.



A negative t- value tells us that the second mean is greater than the first mean.

The p- value is also called the alpha level and is set at 0.05. This means that five out of a hundred you would find a statistically significant difference between the two means.

In this case it is greater than 0.05 i.e., no significant difference. Q1 belongs to +Ve ability and Q2 belongs to -Ve ability, yet person #1 showed agreement on both.

T-test between answers to questions 1 & 17

2-SampTTest

$\mu_1 \neq \mu_2$
 $t = -3.212570729$
 $P = .0040283522$
 $df = 21.8942668$
 $\bar{x}_1 = .0588235294$
 $\downarrow \bar{x}_2 = .8235294118$

The p-value is less than 0.05 which means that there is a significant difference between the means. Again same different categories and now we used Q 17 instead. Person # 1 showed disagreement.