

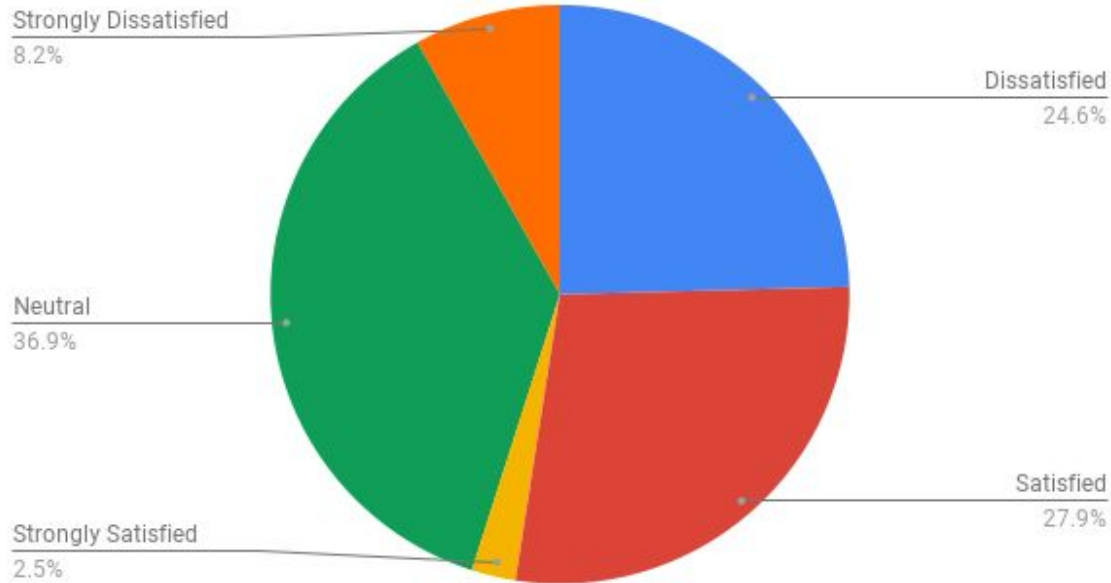
Satisfaction Among the Students on E-learning Under the Pandemic Situation

Introduction

- This survey is done online and is aimed at undergraduate students in Sri Lankan government universities who received online education during the pandemic.
- The questionnaire was distributed among students using a Google form.
- 122 total responses were received used for this analysis.

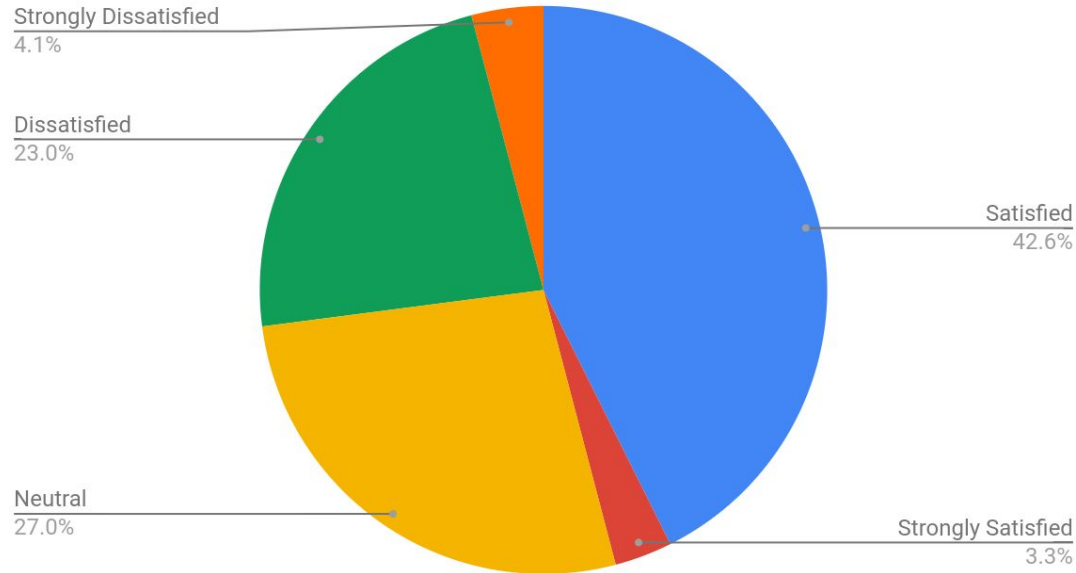
Level of satisfaction with batch mates' interactions

Count of . Level of satisfaction with batch mates' interactions



Level of Student Satisfaction for E-learning over In-premises Learning

Count of How satisfied with the E - Learning platform

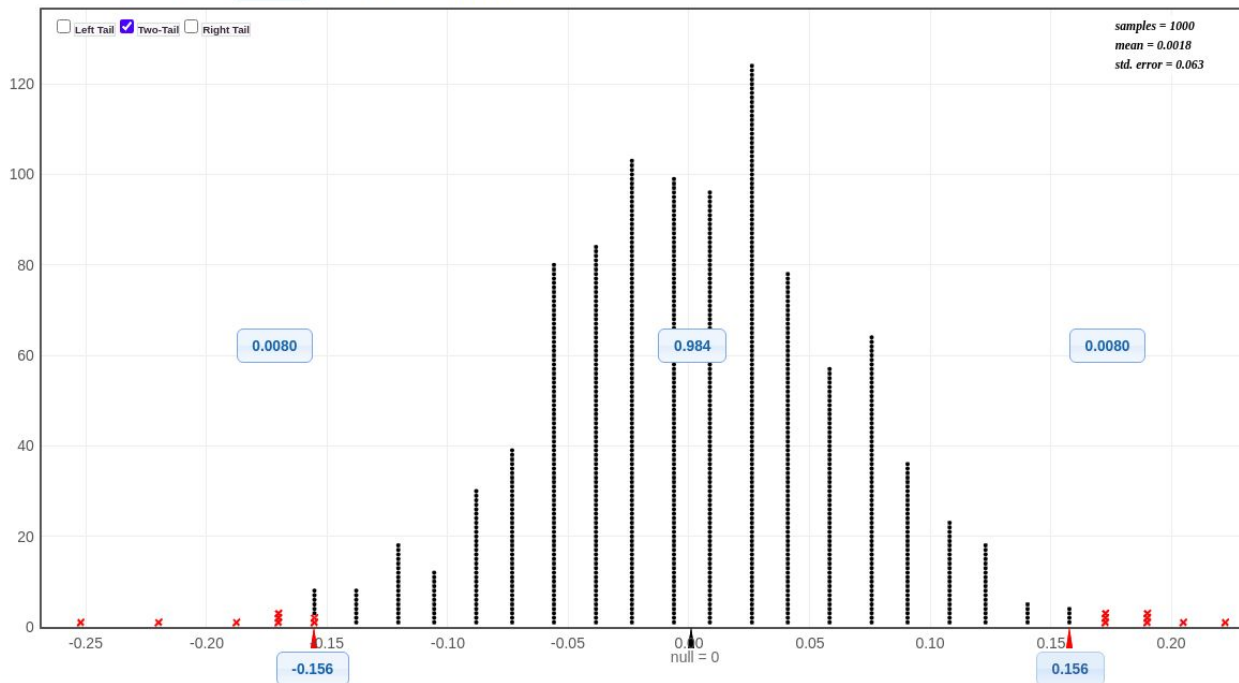


Hypothesis Testing

Does dissatisfaction towards e-learning not cause by students' Level of satisfaction with batch mates' interactions?

- p_a - proportion of students interaction with batchmates to a unsatisfactory level = 0.697
- p_e - proportion of students dissatisfied with e-learning over in-premises learning = 0.541
- $H_0 : p_a = p_e$
- $H_a : p_a \neq p_e$
- $p_a - p_e = 0.156$

Hypothesis Testing

Randomization Dotplot of $\hat{p}_1 - \hat{p}_2$ Null Hypothesis: $p_1 = p_2$ 

Original Sample

Group	Count	Sample Size	Proportion
Group 1	85	122	0.697
Group 2	66	122	0.541
Group 1-Group 2	19	n/a	0.156

Randomization Sample

Group	Count	Sample Size	Proportion
Group 1	84	122	0.689
Group 2	67	122	0.549
Group 1-Group 2	17	n/a	0.139

p value = 0.016

Conclusion

- P value = 0.016, which is less than 0.05 significance level
- Therefore, we can reject the null hypothesis.
- Hence, dissatisfaction towards e-learning not cause by students' Level of satisfaction with batch mates' interactions.

Thank You