

**EE325 Section 1: Online Quiz#1**

**\*\* Required only for those who did not do the in-class quiz on Mar 12<sup>th</sup>, 2020.**

\*\* Due 12noon on Friday 13<sup>rd</sup> March, 2020. Please submit via Moodle.

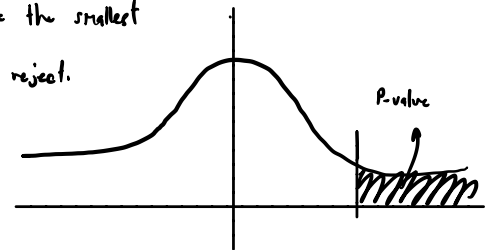
1) Why do we have to calculate the t-statistics when doing hypothesis test?

T-values are a type of test statistic. Hypothesis test use the test statistic that is calculated from your sample to compare your sample to the null hypothesis.

2) What is the p-value? Draw a graph to accompany your explanation.

P-values is the probability of obtaining results as extreme as the observed results of a statistical hypothesis test, assuming that null hypothesis is correct.

The P-value is used as alternative to reject points to provide the smallest level of significance at which the null hypothesis would be reject.



3) What is a 95% confidence interval? How do we calculate it?

The 95% confidence interval is the confidence level of the two data intervals such as the 95% confidence level of patient who have the salary btw 3000 and 6000, have ability to pay all the medical fee.

Calculate by use p-value to find the value at the reject region for finding the value.