

EE325 Section 1: Online Quiz#1

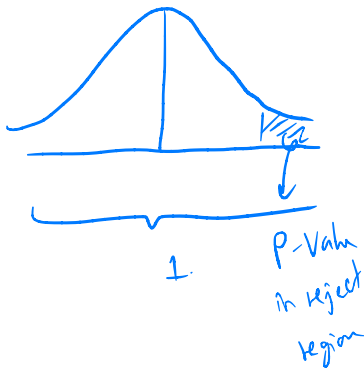
**** Required only for those who did not do the in-class quiz on Mar 12th, 2020.**

**** Due 12noon on Friday 13rd March, 2020. Please submit via Moodle.**

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

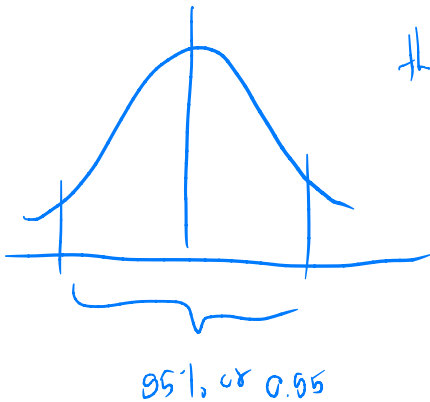
When degree of freedom less than or equal to 30 and we use t-test for making sure, variable can impact in the regression model and find the value (low-up) of interval confidence interval.

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



p-value is the probability value of the result and we use the p-value in the statistic hypothesis testing for changing the real data to be the probability value and then we will test by p-value is in the rejected region or not.

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



the 95% confidence interval is the confidence level of the two data interval such as the 95% confidence level of the patient who have the salary between 3,000 and 6,000, 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.