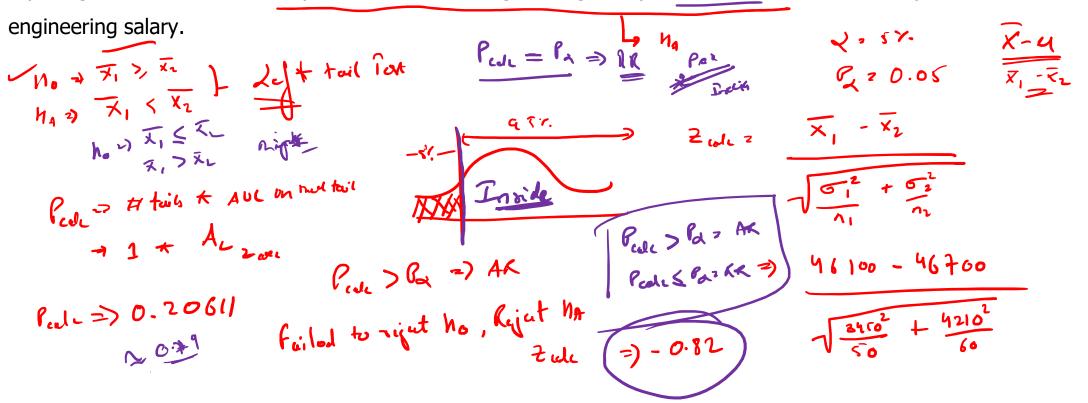
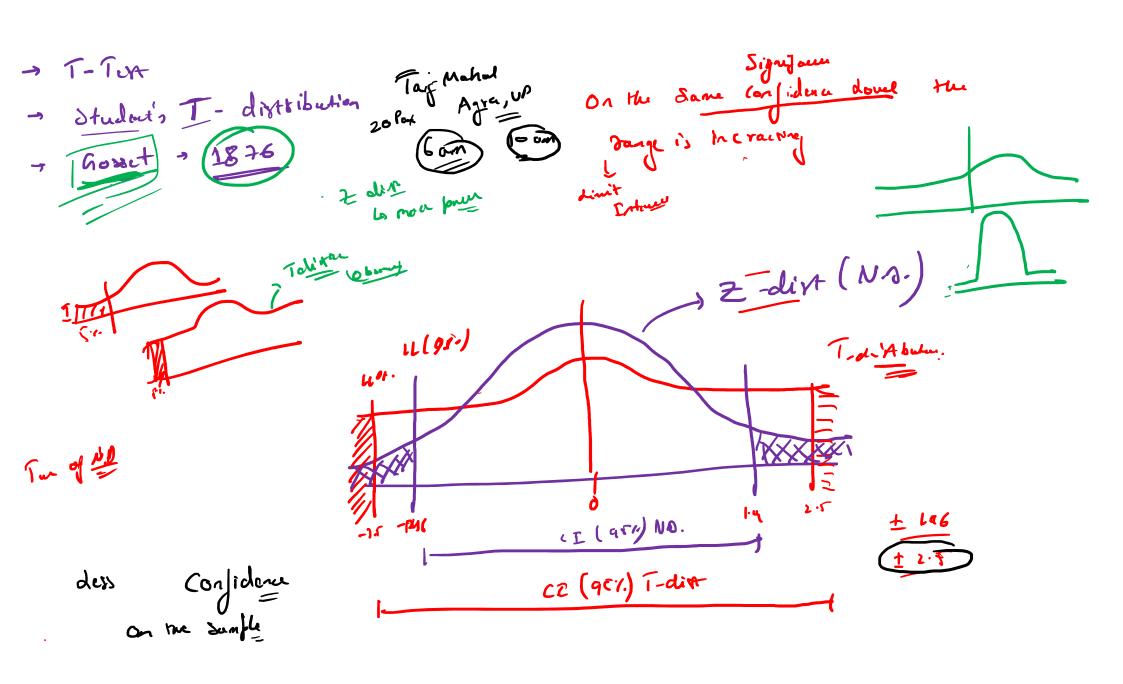
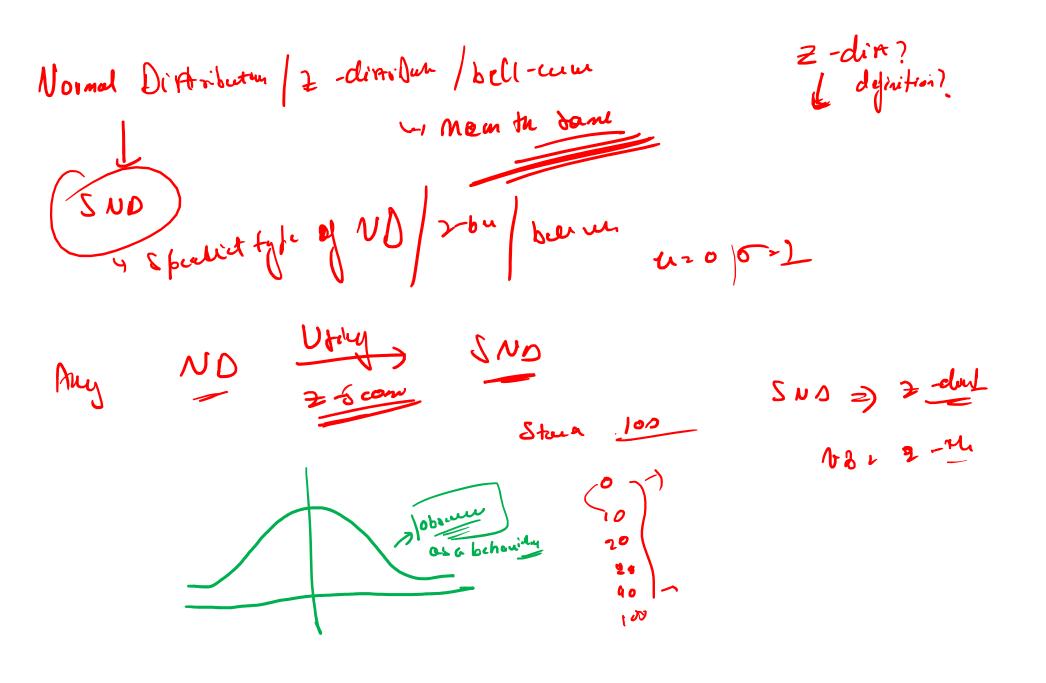
A company wanted to compare the performance of its call centre employees in two different centres located in two different parts of the country – Hyderabad, and Bengaluru, in terms of the number of tickets resolved in a day (hypothetically speaking). The company randomly selected 30 employees from the call centre in Hyderabad and 30 employees from the call centre in Bengalury. The following data was collected: Hyderabad: $\bar{x}1 = 750$, $\sigma 1 = 20$ Bengaluru $(\bar{x}2) = 780$, $\sigma 2 = 25$ 30 **-)** 102

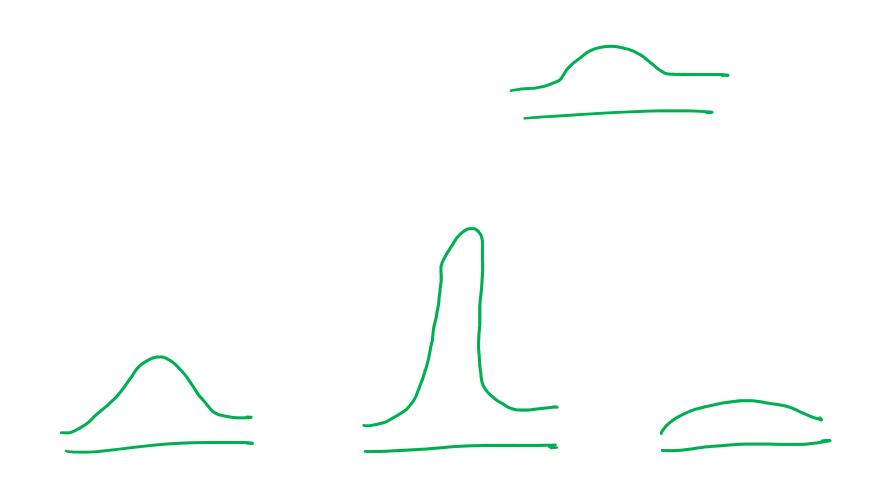
Mean entry-level salaries for college graduates with mechanical engineering degrees and electrical engineering degrees are believed to be approximately the same. A recruiting office thinks that the mean mechanical engineering salary is actually lower than the mean electrical engineering salary. The recruiting office randomly surveys 50 entry level mechanical engineers and 60 entry level electrical engineers. Their mean salaries were \$46,100 and \$46,700, respectively. Their standard deviations were \$3,450 and \$4,210, respectively. Conduct a hypothesis test to determine if you agree that the mean entry-level mechanical engineering salary is lower than the mean entry-level electrical engineering salary.











to use T-Îest over a Z-Îest? when we are LESS confident on over Santke

1 is baind or

1 pop 5 is unknown

1 either or both

1 when n < 30

1 0 AD

That will him a buger (I