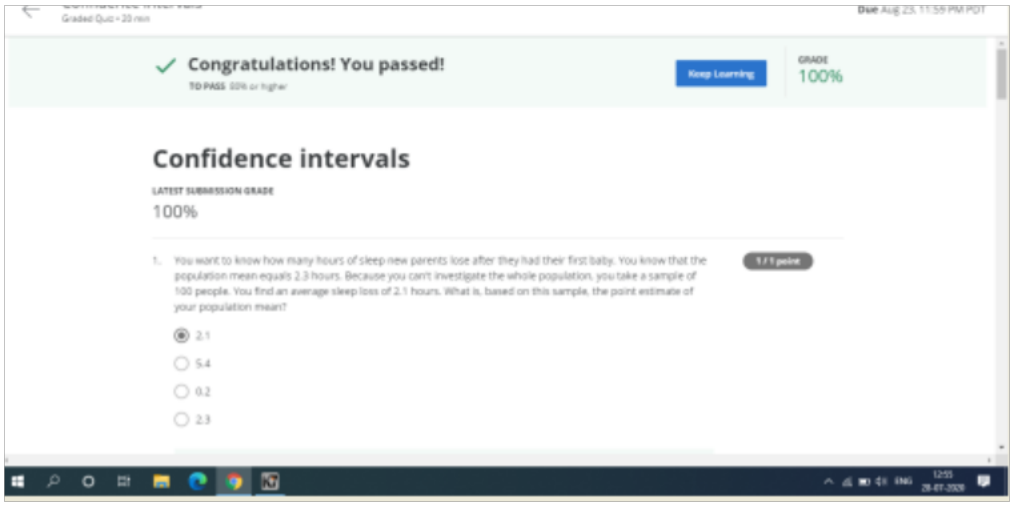
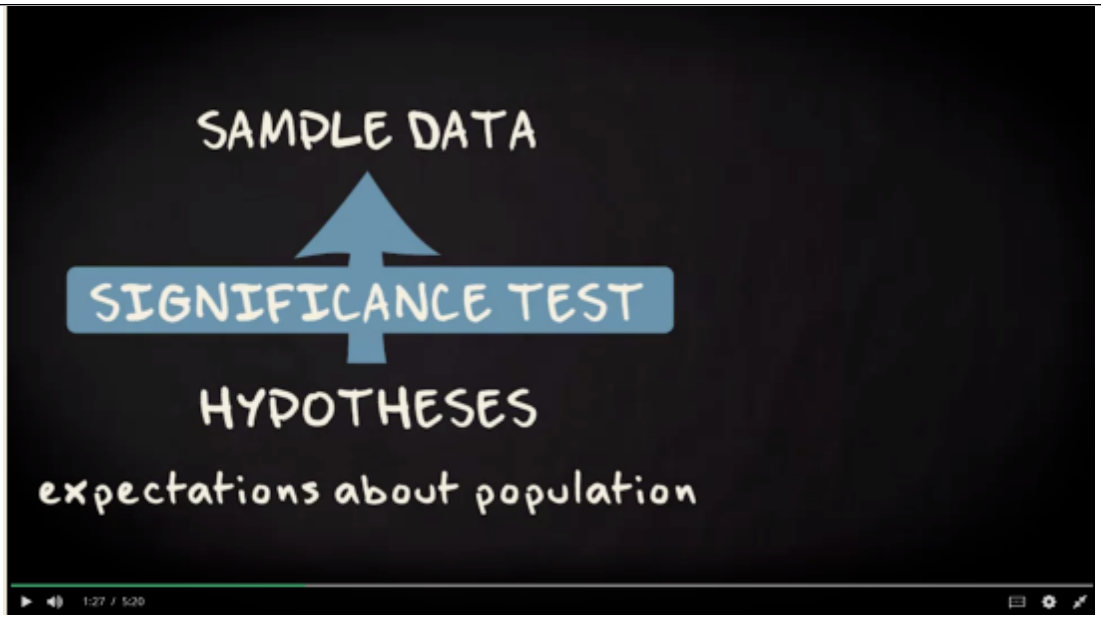
DAILY ASSESSMENT FORMAT

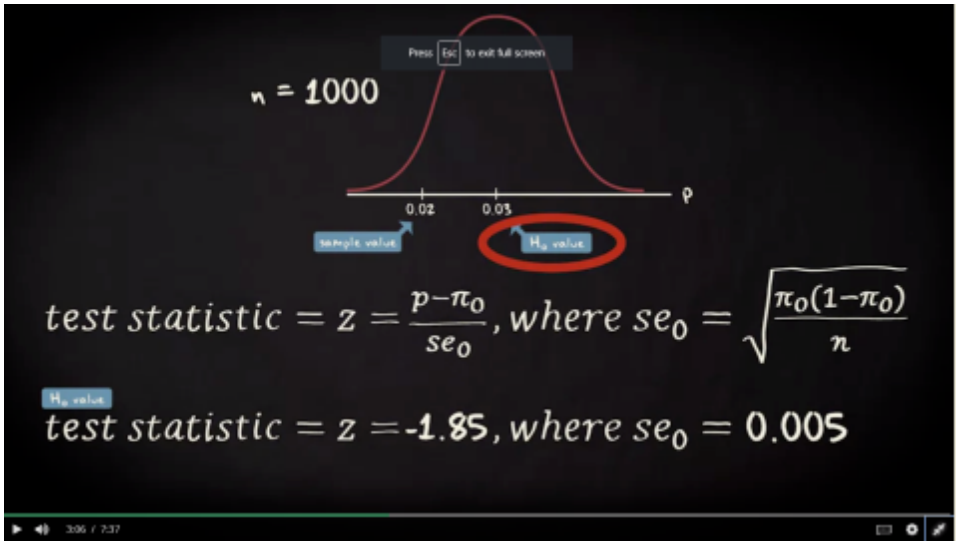
Date:	29th July 2020	Name:	Rajeshwari Gadagi
Course:	Coursera	USN:	4AL17EC076
Topic:	Basic statistics	Semester & Section:	6th sem 'B' sec
Github Repository:	Rajeshwari-Gadagi		

FORENOON SESSION DETAILS

Image of session




SAMPLE DATA
SIGNIFICANCE TEST
HYPOTHESES
expectations about population
1:27 / 5:20


Press Esc to exit full screen
n = 1000
0.02
0.03
p
sample value
H_0 value
$test\ statistic = z = \frac{p-\pi_0}{se_0}, where\ se_0 = \sqrt{\frac{\pi_0(1-\pi_0)}{n}}$
H_0 value
$test\ statistic = z = -1.85, where\ se_0 = 0.005$
3:06 / 7:37

Stastical interference :-

Probability that interval contains population value

↓

Confidence level

↓

most cases 0.95

↓

95% confidence interval

Confidence interval

↓

Estimate a population mean

↓

in 95% of the samples the population value will fall within the

the population value will fall within the confidence interval.

$\bar{x} \pm 1.96\,\sigma_{\bar{x}}$

$\sigma_{\bar{x}} = \frac{\sigma}{\sqrt{n}}$

$\bar{x} \pm Z_{95\%}(Se)$

$Se = \frac{S}{\sqrt{n}}$

↑ Standard error.

Confidence interval.

↓

Q Assumptions.

↓

1. Randomization.
2. Approximately normal population distribution.