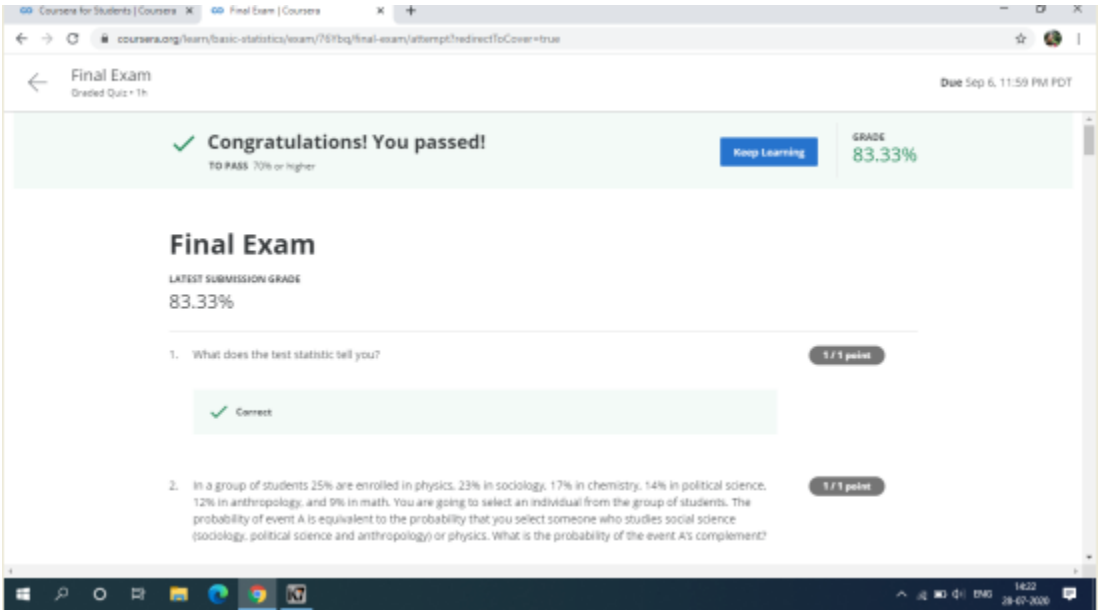
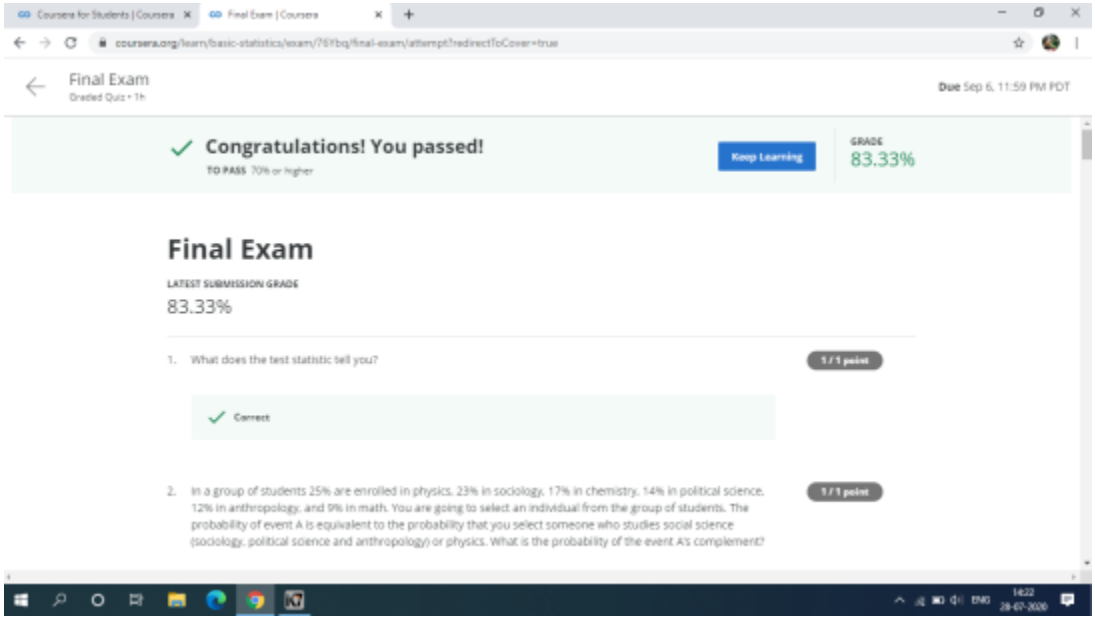
DAILY ASSESSMENT FORMAT

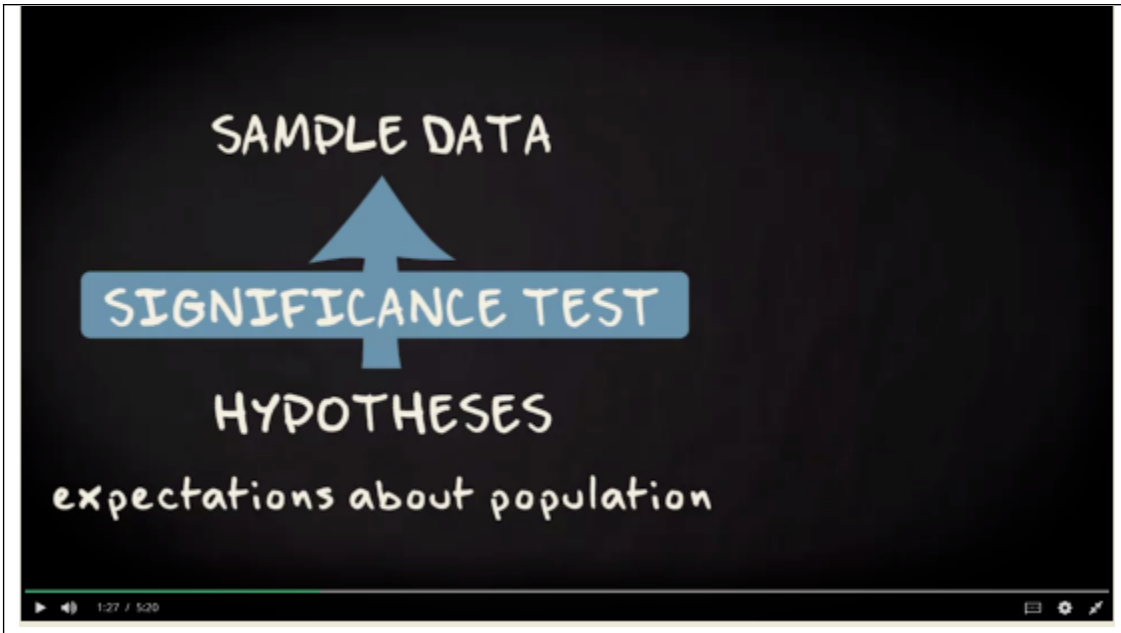
Date:	31st July 2020	Name:	Rajeshwari Gadagi
Course:	Coursera	USN:	4AL17EC076
Topic:	Basic statistics	Semester & Section:	6th sem 'B' sec
Github Repository:	Rajeshwari-gadagi		

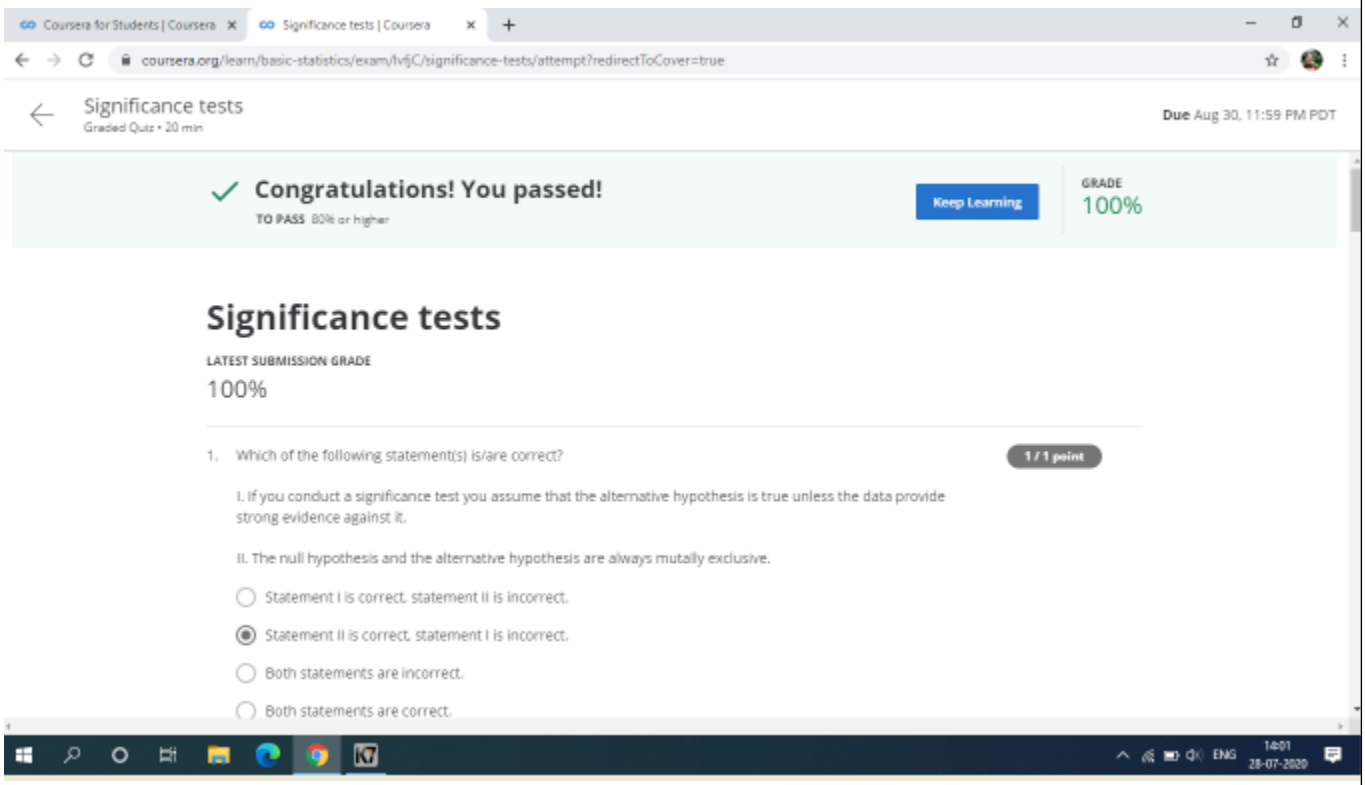
FORENOON SESSION DETAILS

Image of session






SAMPLE DATA
SIGNIFICANCE TEST
HYPOTHESES
expectations about population
1:27 / 5:20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1. Which of the following statement(s) is/are correct?
1 / 1 point
I. If you conduct a significance test you assume that the alternative hypothesis is true unless the data provide strong evidence against it.
II. The null hypothesis and the alternative hypothesis are always mutally exclusive.
Statement I is correct, statement II is incorrect.
Statement II is correct, statement I is incorrect.
Both statements are incorrect.
Both statements are correct.
ENG
14:01
28-07-2020

Hypotheses :-

Hypotheses
expectations about population.
↓ → significance test
Sample data

null - hypothesis testing
↓
Hypothesis

null hypothesis
H_0
- The parameter you're interested in takes a specific value.
- Will be rejected if the data in your sample suggest that it is a

alternative hypothesis
H_a
- claims that the parameter you're interested in falls within an alternative range of values.

falls within an alternat
Range of values

- Will be rejected if the data in your sample suggest that it is a highly unlikely expectation

Significance test :-

We assume that population value has a certain value the sample we collected comes from this population.

Sampling distribution :-

we can determine what the sampling distribution of the sample proportion looks like

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 $Se_0 = 0.005$