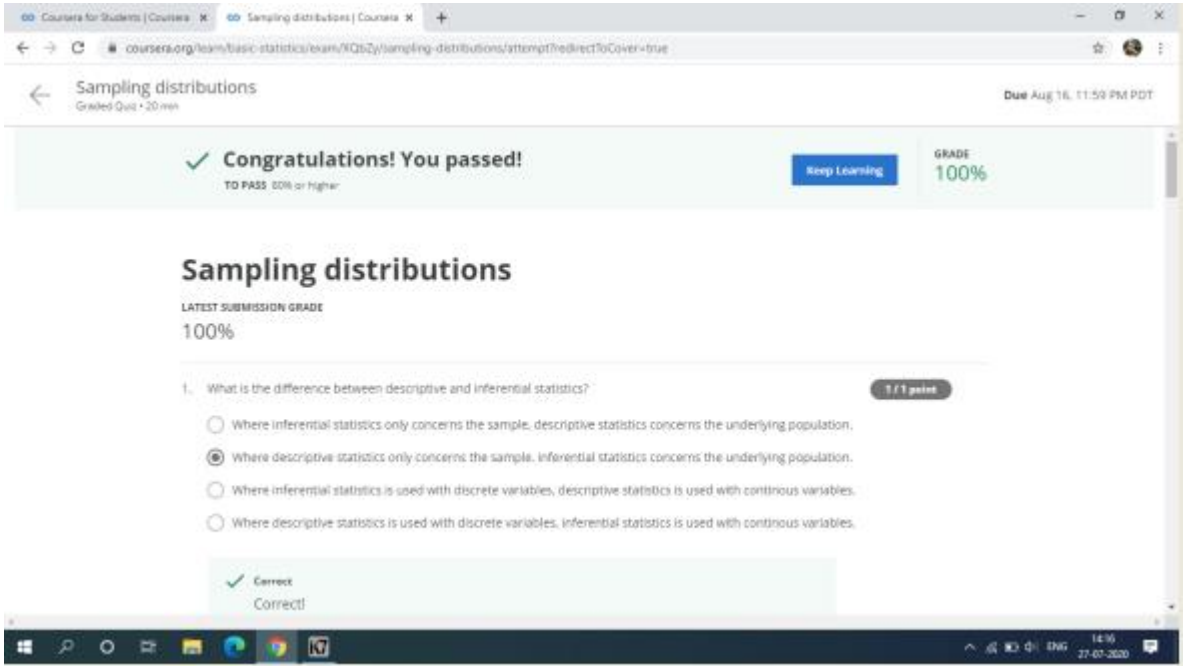
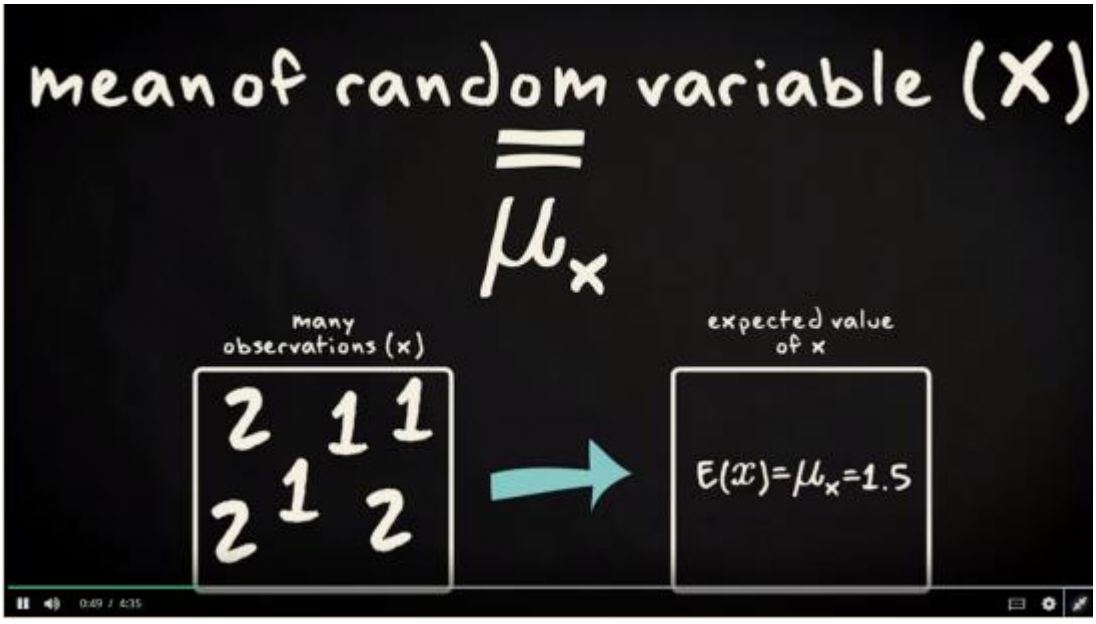
DAILY ASSESSMENT FORMAT

Date:	**27th July 2020**	**Name:**	**Poorvi j gowda**
Course:	**Coursera**	**USN:**	**4AL17EC071**
Topic:	**Basic statistics**	**Semester & Section:**	**6th sem 'B' sec**
Github Repository:	**Poorvi-2000**		

FORENOON SESSION DETAILS

Image of session


Sampling distributions
Graded Quiz • 20 min
Due Aug 16, 11:59 PM PDT
Congratulations! You passed!
TO PASS 80% or higher
Keep Learning
GRADE
100%
Sampling distributions
LATEST SUBMISSION GRADE
100%
1. What is the difference between descriptive and inferential statistics?
1 / 1 point
Where inferential statistics only concerns the sample, descriptive statistics concerns the underlying population.
Where descriptive statistics only concerns the sample, inferential statistics concerns the underlying population.
Where inferential statistics is used with discrete variables, descriptive statistics is used with continous variables.
Where descriptive statistics is used with discrete variables, inferential statistics is used with continous variables.
Correct
Correct!


mean of random variable (X)
=
μ_x
many observations (x)
2 1 1 2 1 2
expected value of x
$E(x)=\mu_x=1.5$
0:49 / 4:35

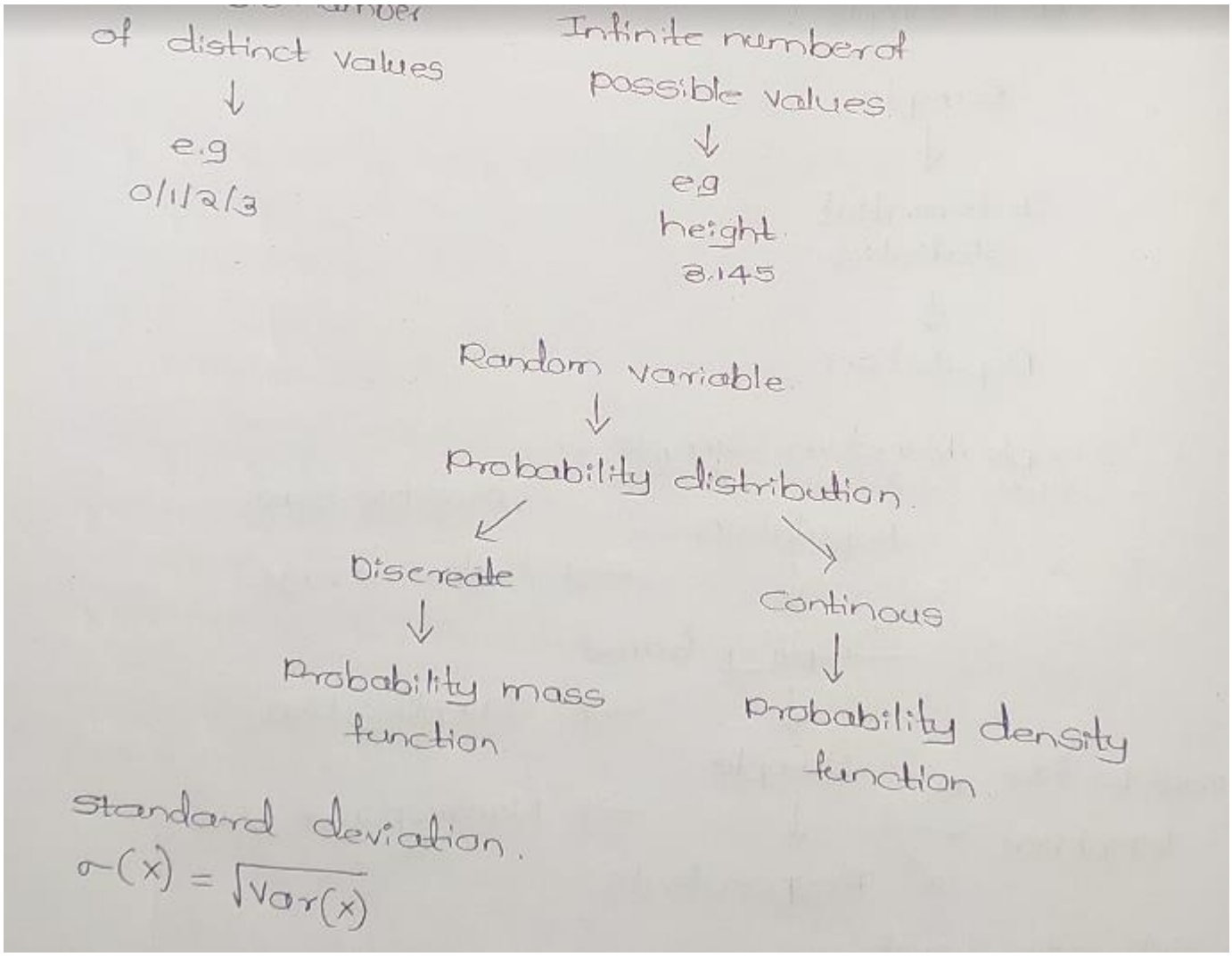
Random Variable :-

Random Variable x can take values x_1, x_2 & x_3.

- x → represents the concept → eg. length
- x_1, x_2, x_3 → represent numbers → e.g 184.4, 184.3, 185.3

Random Variable

- Discreate → Countable number of distinct values → e.g 0/1/2/3
- Continous → Infinite number of possible values → e.g height


of distinct values
e.g
0/1/2/3
Infinite number of possible values
e.g
height
8.145
Random variable
Probability distribution
Discreate
Probability mass function
Continous
Probability density function
Standard deviation.
$\sigma(x) = \sqrt{Var(x)}$