

DAILY ASSESSMENT FORMAT

Date:	17 JUNE 2020	Name:	HARSHITHA H
Course:	Statistical methods	USN:	4AL18EC020
Topic:	Introduction to probability	Semester & Section:	IV SEM & A SECTION
Github Repository:	harshithah		

Image of session

The screenshot shows a web browser displaying the Great Learning course page for 'Introduction to Probability'. The URL is olympus.greatlearning.in/courses/12436/pages/introduction-to-probability?module_item_id=527619. The page features a sidebar with a list of topics: Agenda, Case study on statistics and Probability Theory, Solution for case study, Introduction to Probability (selected), Rules for Probability calculation, Bayes' Theorem, and Normal Distribution. The main content area is titled 'Definition of Probability' and contains the following text:

Probability of an event A is defined as the ratio of two numbers m and n. In symbols

$$P(A) = \frac{m}{n}$$

where m= number of ways that are favorable to the occurrence of A and n= the total number of outcomes of the experiment (all possible outcomes)

Please note that P (A) is always ≥ 0 and always ≤ 1 .
P (A) is a pure number.

The screenshot shows a web browser displaying the Great Learning course page for 'Normal Distribution'. The URL is olympus.greatlearning.in/courses/12436/pages/normal-distribution?module_item_id=527625. The page features a sidebar with a list of topics: Agenda, Case study on statistics and Probability Theory, Solution for case study, Introduction to Probability, Rules for Probability calculation, Bayes' Theorem, and Normal Distribution (selected). The main content area displays a video player showing a R console session and a plot. The R console output is as follows:

```
1. pnorm(0.280,0.295,0.025)
2. pnorm(0.280,mean=0.295,sd=0.025)
3. pnorm(0.350,mean=0.295,sd=0.025,lower.tail=FALSE)
```

The plot shows a normal distribution curve with the mean (0.295) and standard deviation (0.025) indicated. The x-axis ranges from 0.20 to 0.40, and the y-axis ranges from 0 to 1.0. The video player has a progress bar at 20:40 and a rating system below it.

The screenshot shows a web browser window with the Great Learning website. The page title is "Probability and Statistics- Quiz". The URL is "olympus.greatlearning.in/courses/12436/quizzes/34985?module_item_id=552266". The page layout includes a sidebar with "Content" (Learning Videos, Learning Material, Quiz, Claim Your Course Certificate) and a main area with quiz details. The quiz details show: Type: Graded Quiz, Attempts: 1/2, Questions: 10, Time: 30m, Scoring Policy: Highest Score, and Your Score: 10.00/10. There is a "RETAKE" button and an "Attempt History" table.

Date	Attempt	Marks
Jun 17, 11:42 AM	1	10

REPORT:

STATISTICAL METHODS

- **Introduction to probability**
- **Rules for probability calculation**
- **Bayes' theorem**
- **Normal distribution**