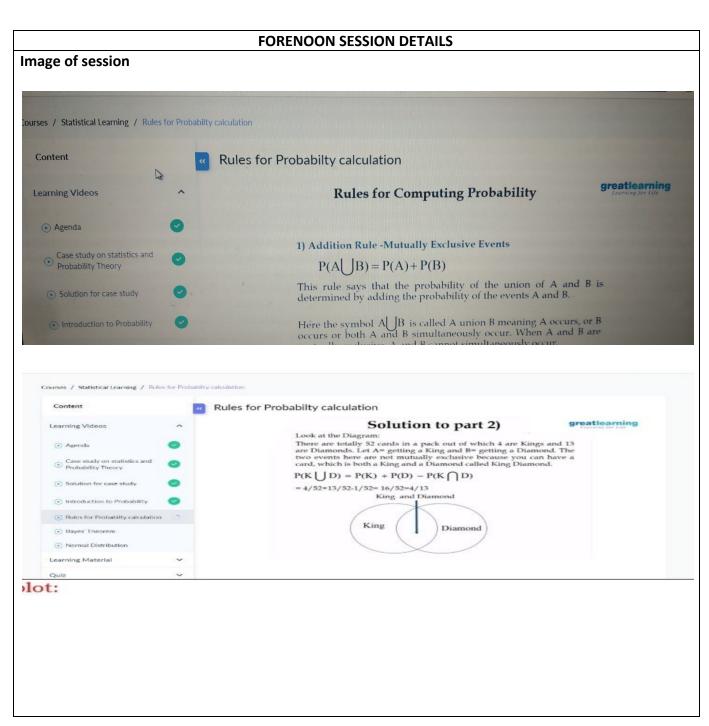
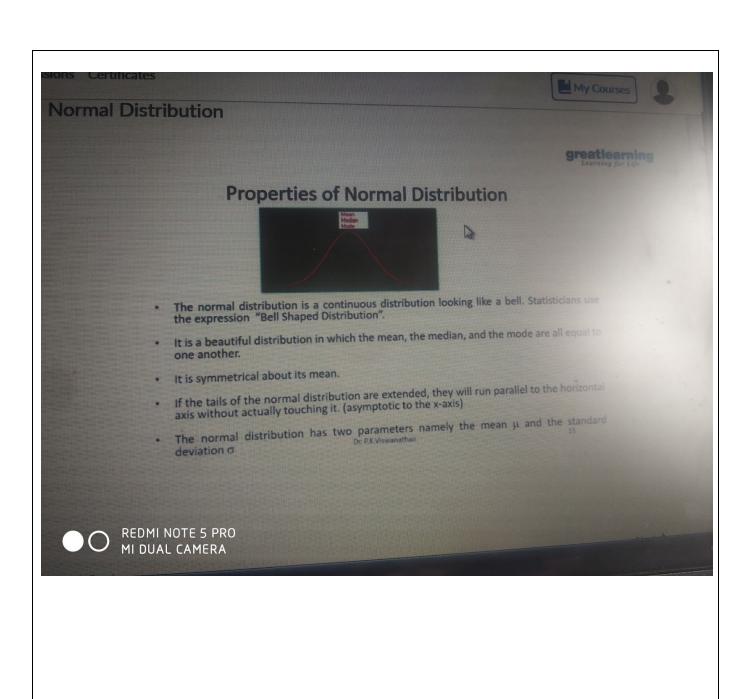
DAILY ASSESSMENT FORMAT

Date:	17-06-2020	Name:	MOUNITHA D M
Course:	Statistical Learning	USN:	4AL17EC055
Topic:	Rules for Probability calculation Bayes' Theorem Normal Distriution	Semester & Section:	6 TH SEM "A" SEC
Github	Mounithaec055		
Repository:			





Report – Report can be typed or hand written for up to two pages.

Statistical leganting 17/06/2020 -> Rules for probability calculation 1 Addition only = mutually Exclusive Event P(AUB) = P(A) + P(B) A and B is destermined by adding the probability of the Evente A and B Here the Symbol (AUB) to called A union B meaning A occurs. Or B occurs or both A and B Siroultaneocale ocaus. when A and B are routually Exclusive @ Independent Events PLANB) = PLAN. P(B) This sule Says when the two events A and B que Endspendent, the probability of the Simultaneous occurrent of A and B our mutually Exclusive probability of A and the probability B. of The probability that on Events well according mumber before o and 4. To other woodle, et is a fraction. It also Sometime roulden as a percentage because our perentage it stroply fraction with a denominate of 100. foor mon about these concepts,

2) they cannot occur at the same time The purbability that Event pocus grien that Event 18 has owned as called a condrettona. The complement of an Event ex the Event not occurring The probability that Event A will not occurs is denoted by PIP') The probability of the rentersection of Events A and B is denoted by PLANBO. if Events A and B' are mutually exclusive PIADED = 0 => If the occurred of Event A change the purobability of Event B, then Exente A and B are dependent. Bayels Theorem P(B/A) = P(A/B) .P(B) P(A/B), P(B) + P(A/B), P(B) + ... + P(A/B), P(B) B. = 8th event of k mertually scholie a and collectively Exhaustive Event Pi = new Even + that rosignt impact P(B,) Properties of Monmal Distribution -> The normal dis tribution is a Contenuous destoribute Crke a bell. Statistician use the Exprusion "Bell Shaped Distribution Tit is beautiful distribution in which the moven the mean and the mode are all Equal to auro ther