Mo. of times tails occess Number of times coin Sample Space 6-4 get on which of 11 of the possible outcomes of a Statical Experient our represented as points. Frento In the case of a random experiment, an event is Robertishy of Bobability is used to mooure the uncertainty of Theoritical probability of It is based on the possible chances of theoritical probability is mainly something to happen. The theoritical probability is mainly probability can be calcuted based cutemers by the total no. By the total no. By toolak. Anso Experiment. An Experiment is an adjusty with an observable 9 Theoretical probability (1) Experimented probability 9 |02 | 23 result.
Experimental Probability of Occupance of tools= Thus one atypes of probabilities, 1. Define Experiment, Sample Space, Outcome and Event. of Something to rappen. The theoritical probability. bard on Assignment greasoning behind Probability:- Its & toward. experiment. Olle experimental experimental experients of possible on the number of possible on cutcome. en Expesionental based on the M. Braveen Lumore 198 match

the probability that someone defaults on a loan is 0.184,	Find the probability of defeult on loan knowing that he is an old person. Olde people make up only 0.8%.	2	= 0.322 Pays /odu)= 0.822.	4. Bayes (Meivinn 3- It states that conditional probability your event; based on the occusionce of another event is equal to the like- -hood of the Second event given the 1st event multiplied by the probability of the first event. P(A/B) = P(B/A) XP(A) P(B/B) = P(B/A) XP(A)	5. Bolve the Below prob asing Bayes Muran ? Spern Assassion wearks by fawing users train the system. It looks or patterns inthe Woords on emoils marked as Spern by the user.	For example, it may have leasned that the word "Free" appears & 30% of the emails mouked as span, i.e., P(Free/span) = 0.80. Assuming 1% of non-span mail includes the woord "Free" and 50%, of oth mails includes the woord "Free" and 50%, of oth mails revieved by the uses are span, find the probability.	that a mail is sparm it the word "free" appears in it. 40. 40. 40. 40. 40. 40. 40. 4	p (Not spann) = 5x -0.50
The pro	that they	TO TO TO TO		event, probability	5. Bolus Spann	40%.	And o	
		<i>delelele</i>						

older people makeup only 1.4%. Now

de faulters

In loan

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P (Face/Sporm). P(Sporm) P(Sparn (free) =

P (frace (span). P (span) + P (Frechot Span) a, P (spoun)

50.000 (08.0)

(0.30 x0.50)+(0.01 x0.50)

P (sporm (free) = 0.967