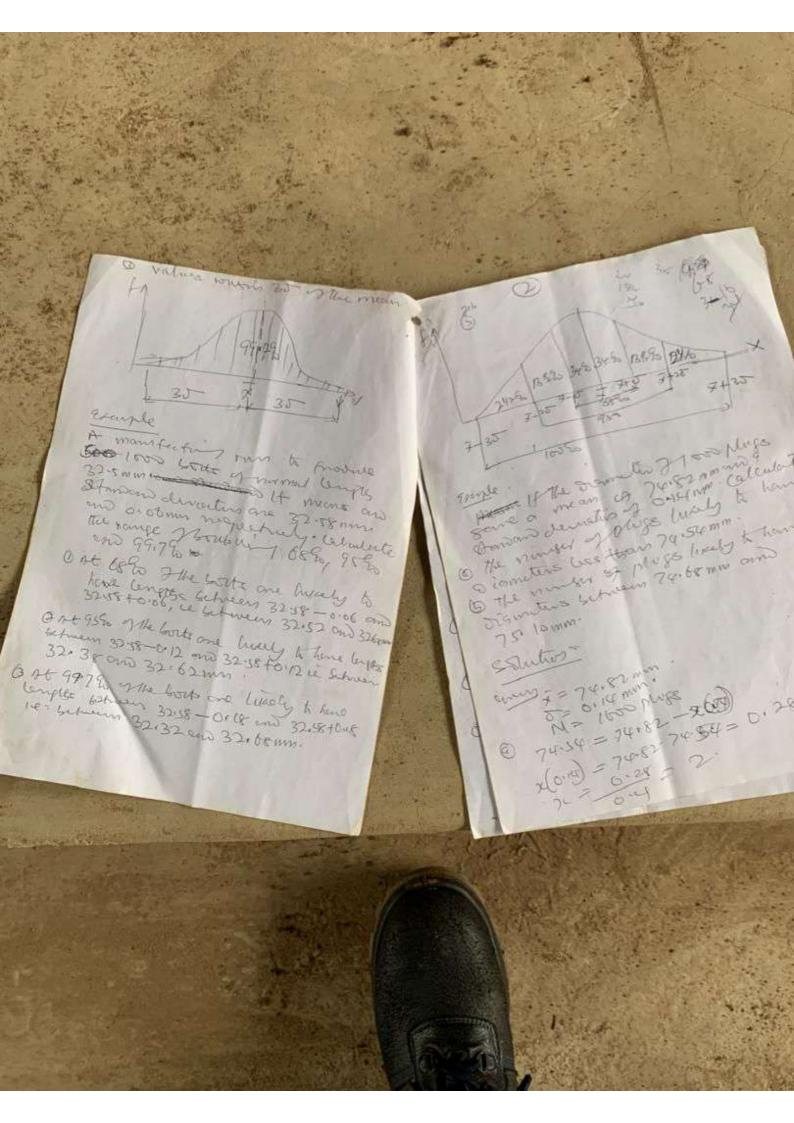
HIPORGEOMETRIC DITERBUTARY a population of some M contains K tem of successes and N-K factores, their The probability of the hypergeometrie nindon variable X the number of successed as a rondomilation complete of pa some in is! 1 (2; N, n, K)= P(X=K)=(K)(N-K) K = nunder of successes us The Nowlaters K = ninear of dosernow successed N = populatur soze n= number > Drows A deck cord of cords contains 20 conde: 6 red comos and 14 Storic conde 5 cons are drown nondom without replacement. Whent is the mountable that a pactly of rew ands are Sucros ?

De. Soulas the mounty of A street Bury SD... 6 The average nurser of homes son by The average number of homes Curry is I homes Curry to A CMF Dealty Company is I homes Curry perday. What is the mesablity that exactly 3 homes would be The numar distrike my Con Sumuel of Man Sund Con State of Sund Con Sour tomerono. N=2, some 2 hims one some his Day, Soulis en enerals. 7 = 3 2 = 2.7828 2 = 2.7828 + 2 2 = 2.7828 + 2 2 = 2.7828 + 2Unalos p(3;3) = (0.13534)(8) -0.180 The Val Val

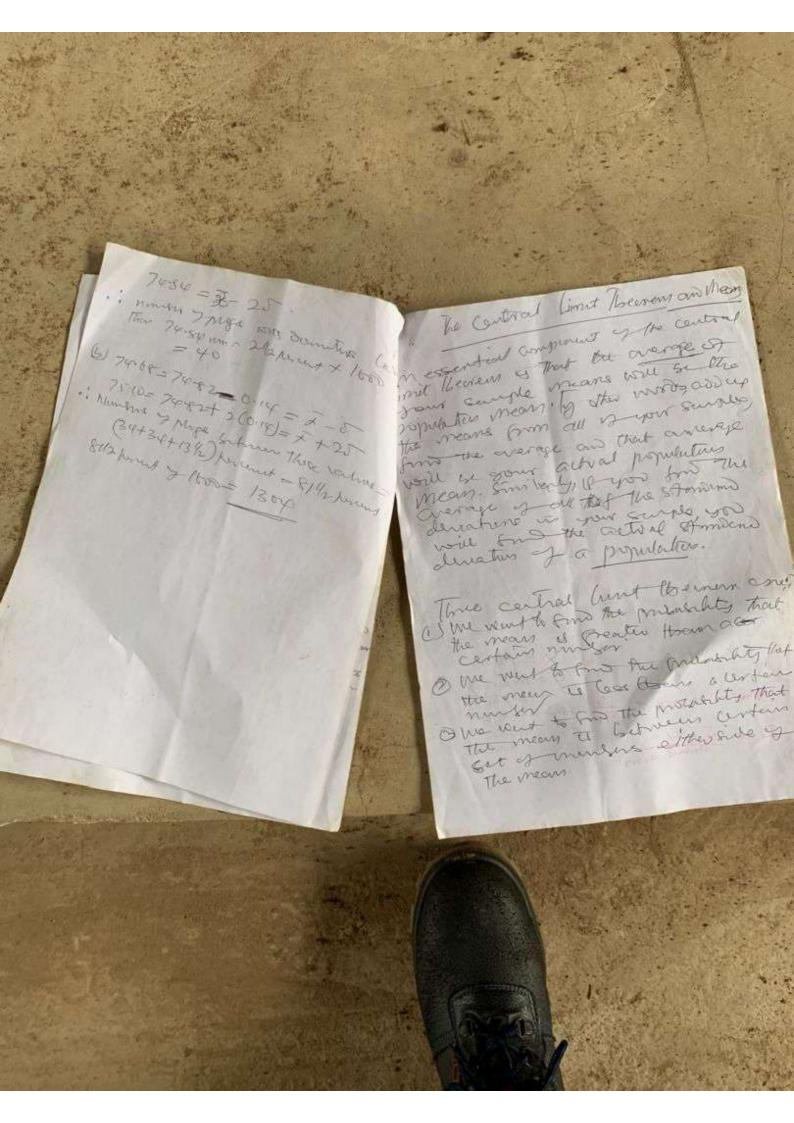
L'épanace em Dendend ducentur. Contact of a set of sorts points courts the mean squared denation from Wanance = & (+-7)2 Yerry. 52 = E # - 7 M Standard devertus of the post no spine 300t 7 the venume Sar J vanance temple 1: Office steen dementing on Julling some 5, 3, 7, 6,11,10 seuls F=3+5+6+7+10+11=4=7 3 -4 H 9 356710 11 1 4 1340 ul Orenous denature = Jet 7 = /46 (o ethicing & vonatus (V) = 57. 867 2-7689 (v = (= x10) %

Mormal Statestan Francy poison bister British It is usually used in saturations where the productility of a raine revent numal dis occurry of a lorge samples. (or normal or popos we conduct a poison metrical a incorporation of the state of t number of Successes within 9 Ernen region 1974. There, the poison p(x;14) (e/(vx). Climate * = actual number of Encosas that result from the oxyonnument direction where, e= 2.31828 The poison Distrobution has the fortino of properties es the mean of the Dictirculus is report (3) The variance is also epow 60 Borson Sextorbution con thenke se users & a prooximate for the inonomal Dietolentus chun p weny emall and is very Confe

Rul manhet of e hossis of sacrety of p(grencons)=#somples your frew conds and I back como /# of possible 4con p (4) (14) 6 Cq × 14C1 15364 = 20 (5 The Bermoul Sierosature which it tokes
Value "" with tonge Mishabity pour
Value" " with tonge Mishabity pour
Value" " with tonge Mishabity pour Bermoull, Detrouchers value" " wat probability 921-P



General Pups Stop I'l Wentido the porto Die Mislin 1. the mean (querafect 14) 2. the standard cleration () 3. propulations size (p. Souple Some (D) 5. a number resociated with preation there (X). Note: For is the sample many stop 21 Irans a graph. Lasel the center with the means STOP 3: USC The Follow of Frennich to Br find the 2-score. My with the numbers from 8tap 1 X = men 2= 7-N yamen 2 production Standard error = = nescripte size 8 - Smening 2 = F-4 stream umor



(3) Probability Je Brokers Industry is a measure of the libelihood that a purticular event will been in any inetical is experiment, coming out to presented condition. Mototico the monthly that or curain unent of eques of processing paras as Success & fauline when an emust occur is any one trialis callin success, but when it fails to occur is called faither In N trade, There X Successed, There will also se (N-X) failing 1200 X = p (sucoss) and MX = p(failne) MX P (failne) = p (Not 1) - pa) + pasy = 1 an The event not A ond of often uniden A ci je PAS+ PA=1 be prosty

THOSE OF PROPORBUTY The determenture of motorbuty may to Den prival (or experimented) protectet to (b) classical (cr (treeveteend) probubility فترك Empirical pusushity to a busco on meriores conomagnes sulto a ataphe. The c 900 PE per day. moser of trong of meinge humester at responded being of Little (Kelle ste. Expectation (B) expectation (E) is Defined as the product is the purising of the Mans the mosaschty PA) that the ment of while 01 E=NY PA les De 16 MAS= 5/++ ua

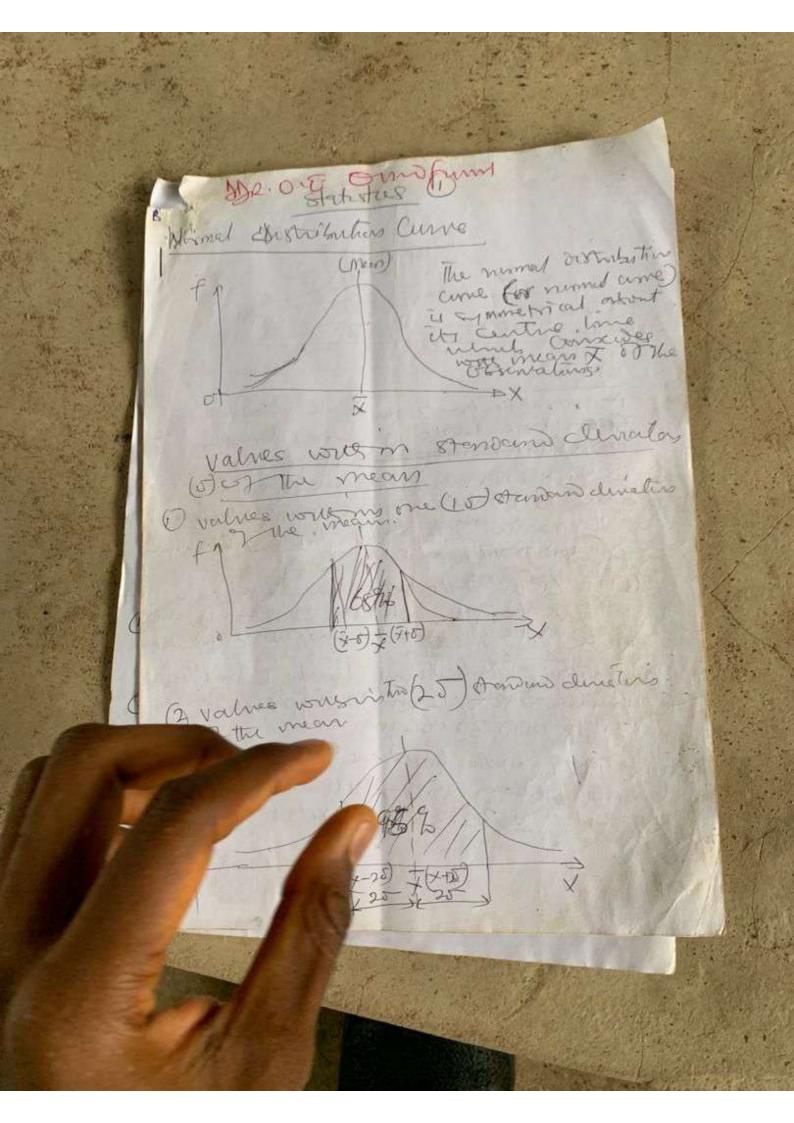
Compidence Additions Law of productility enstand ocenny 1. of entre und of its ment is occur. already Sut 27-858. 'cl Moon P(EUB) = PENT PB/ If the write A and to one run autraly excurry to soller Ma DOUB) = POST POST - PCHONOS) In Ferple The meddly y seem a mutyle of 3 (ie 3000) = 2 m to meddly y seem a method 2(2,496) = = 10 B) probability of seeing a miltiple of 3 or a multiple 2 100000 prof + prop = 3+3 = 5 re Ra (XA)+PB) +(Acusts) nunc 5-6=2/3 is, co I Adependent went and dependent energy 18A of one Devent does not out of y occurring Hour 1 lan 15 curet are dependent when one went occurred the mountable of the rua if human, me have a pro ctury = 2+(+-7)

See do Meganes of Central terrender Hocalus An animage is a value und to representative of a set of Date. Smile such value tend to lie with us a set of data, are also called the maynetice averages terodency or manne of locations Several averages cen se desmid, the most commen buy the arithmetice, mean, the modern on the mode. Others one the germetice and homonic means. The Britismetice theer (A.M.) The about men is a set of or is of Cano near of Bers I De Printer x=x1+x2+---+xn===xi -0 If the observatures x1, x2 -- : X1 occurf, f,-- fx times respectfully (where fifty -- fix are corresponding), the AM is fring X - for t fox = = - + fix = = Efx +1+++ - - - + fix = ef Evenplit the MM. of the following numbers
10, 100, 100, 15 and 6 4 grunny.

= 1071001 871076 = 80/5 = 10 Employ 11: If 5, 8, 6, eyord 2 occurs with measurements, the AM, upon free CSF3) HEFF) HEFFO + LFD = 57/10 = 577.

1) corer from menusius or vertability is a way of occising him spread out a set of Duto is, when a soito, Meanies of Diguestin meane y verestris once Rouge, general dematur, vanimel, nean assoute dualus, cooleuns & venuetus. The Kenge. The sumplest merme of Dispersion, in The Orthune Schen the inghest value and the land linest The rouge = Vmax - Vmiss The mean Assolute Dematers mrs= 2/+7/ (11) If honever, me have a figure derisheles where Gf = 15 = viewsor of observations 14-A read modulus of Senatius 14-A undual of that we comed the signs of the derivations and Cather thems will to be prostore

bality AFFE BELLE Constitued protosty Bocury Conditional Ambasility of consevent 1000 occumpation gran an west A has already taken Male vice versa. In one In support To car of an unit is started above. He of counter by the symest p(R/A). If fact that went A how already of went & went & (25) C 10/ + new + 18 PB) (8) If And is one dependent wents, their the prosessibility of the occurrentle of wind A Got undowns & Jun nested has and he Ro hunce type 40 show resistive. The resistive ore physical and unmarked and the sure physical ps, coel @ If one resister is purposed out at less mes House & namsom, setermine the probablity Com Harre es its resstance being to ours DIFTEN First resisted is found to the 15 onme and at a returned on one Side from the most who se f naturs (11) Juny Derrichelis -(11) Observations & denation



pusite as smistered C+ A = \$ 15 Ohm ness tex) on B = (co onne may 6173 = 6 this pas = 6103 = 6) The box now centers & wohn matter and there is our resolu 13 (B/A) = 13 The prosubility of petty of 15 ones next setting of the selection is mention of the posp (A timo 18/A) - post + PB/A) If Aon Bone independent wout DCA and B) = PONX PBJ and it A and B one deputent seers p(Aon)B) = P(B)X D(B/A) 6 Mass =

masses bashod not hos f Cum. nood to cup) 70-74 75- 79 80- 84 17 24 83- 89 29 53 90-94 20 95 99 17 100 - 100 103 105-109 110-14 UZ 119 120-124 124 125-129 125 Wed 125 The asme toute chines that there are than washing the asme to se onne the following! (1) The Cost column shows that there one thous googhis W that so work nigne Situen 89.5 end 94.5 tg/w (il) that bond fewer thous hould of the his are use thous 89,5 but more than hould are less thous 94,5 tagling and hervey the medians class is 90-94 The med curs to their, weatrabetrus 900 and 94 /2 the forthway ox mores

Classical probability Juny & instable the cossital appropriate to musuality is based en a consulation of the Therestell for an The classical proposition por an west of search passer of us of ways in which want of search ushit sed on lig. Ktal miser of all possible outcomes utin Aut In any trade ash separate possesse result 2 1 och for instence. If, out of in pressible outcome of a treat at is mossible for any must A to seem in Seem on of ways, this which n = setyon PE = 3 = 2 = 2 = 2 = 3 = 3 = 3 = 3 = 3 mutrally corclusive and mutrally @ Whitvally exteller ments on me was count our Togethe. For example, in roll o sie in the seme and trials went of the count our of the les 6 Mutwally non- exclusion enut. Has Men H La Truts that occur simulteneously. In 1500 case, there are perme I muits. eater (1) nung Denschiller

The medien of a cit of ministres composited us esder of magnitude is 9 The nutite value of the numbers is number es observatures, n 15 odd ostanio by freet ordering is offer 1,3, 4, 6,9 5 Taken a se the AIM of the Two mode values it is in cours in such a straker, we say that the med cars is the thirty undeterminations the medius of 8, 14, 3119/16 4 X= & (618) = 7 which, under linately is more of the observatures. Approximent of the unders from or Europe frefring destochitus. 2021/2022 ACADEMIC SE

Soulas p = 0.5 9=1-9=1-04200 30-9= 1.C8 10)6+(0)10-6 150-8=10C6=10! = 10! nCx=10C6=[06]!x6! - 6/x6] 10+9+847+645×10+315×1 = 210 4+8+000 × 6+5+00-3134) pb==0= 220×00540.54 = 200×0,005025 × 0,0625 0,205078 Tup! To can use the Commentaries colementers Bunemed onto butos 4 men = npg somen dewaters = nisq

L= butter class bunders of the mediano F= considering preferred less than it the median class th abrent, u Memorine E C= sizecr widts of the meximology no sef = nursy of dosnatus. F= 89-5 - [125-53)5 300 5 = 91.9 = 92 kg/h The more The mude is defined as the Usernatus with the highest mening. At times me my hime a bomodal (two modes) or a multimidal (a distribution works with many modes forestorbutus. 2022 ACADEMIC SESSION

South of manufactures course Ca Charact. BINDMIAL DISTRIBUTIONS Annomal formula con le asis un the pursasily of success & my mels Bornial Forms 5 (x; n, P) = m(x* px* (1-p)n-x the simmal probability.

La Grad runger of successed (fees when the season of the seas When, p= morability of a success on an industrial total. n = nunsus of fries Note: The General Distributer france can also be written in a sightly different way, 15/0 = (2-x) | (1) x (2) mx aryle 1 A coin of tossed Whomes unhances the modelity of gut y stortly exactly 6 hears?

Baster Statisters O frequency Dextoubilis Consider the fourty doils house occupations 4, 6, 2 3, 6, 2 3, 2, 4, 3, 6, 4, 3, 5, 9, 3, 2, 2, 8 2,9,5,4, 2,8,5,4,7,5, 14,3,12,5, 14,4,2,1 7,6,15,1,3,2,3,8,3,9,4,4 the agree dete is could some date which can be represented by The follow of Destorbulius itouse- ocupation or opabulus number of occupants Tally mo of thusest 4# 1111 HH HH HH 121 HH 1111 11 111 13 14 Wal 50