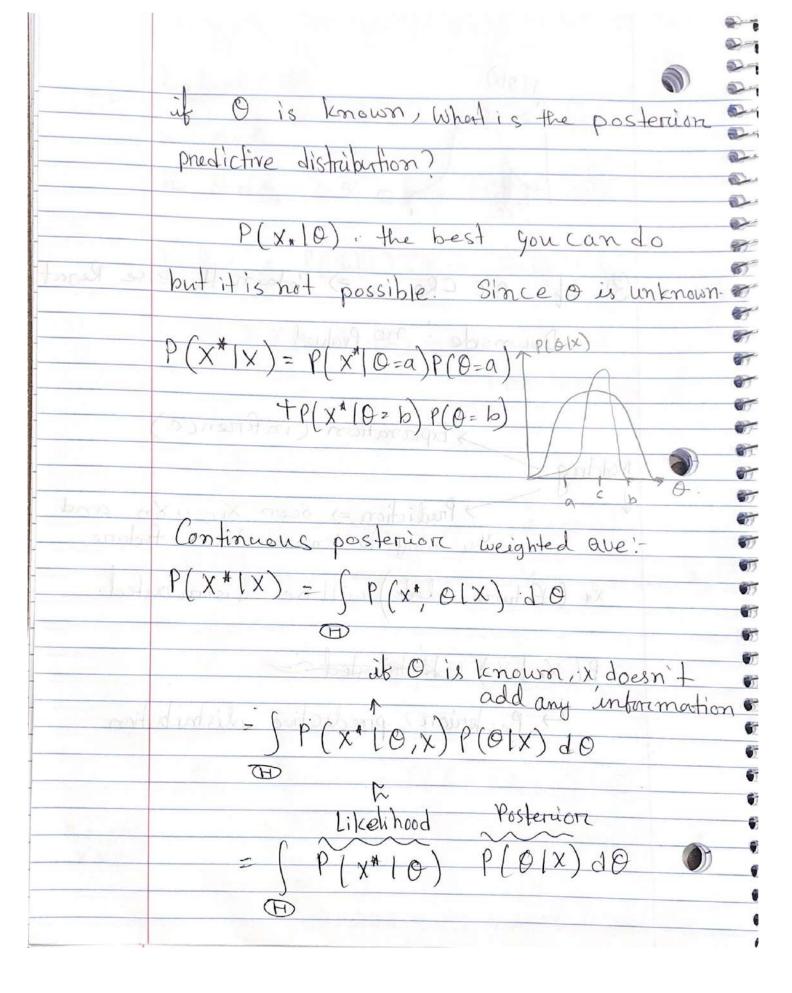
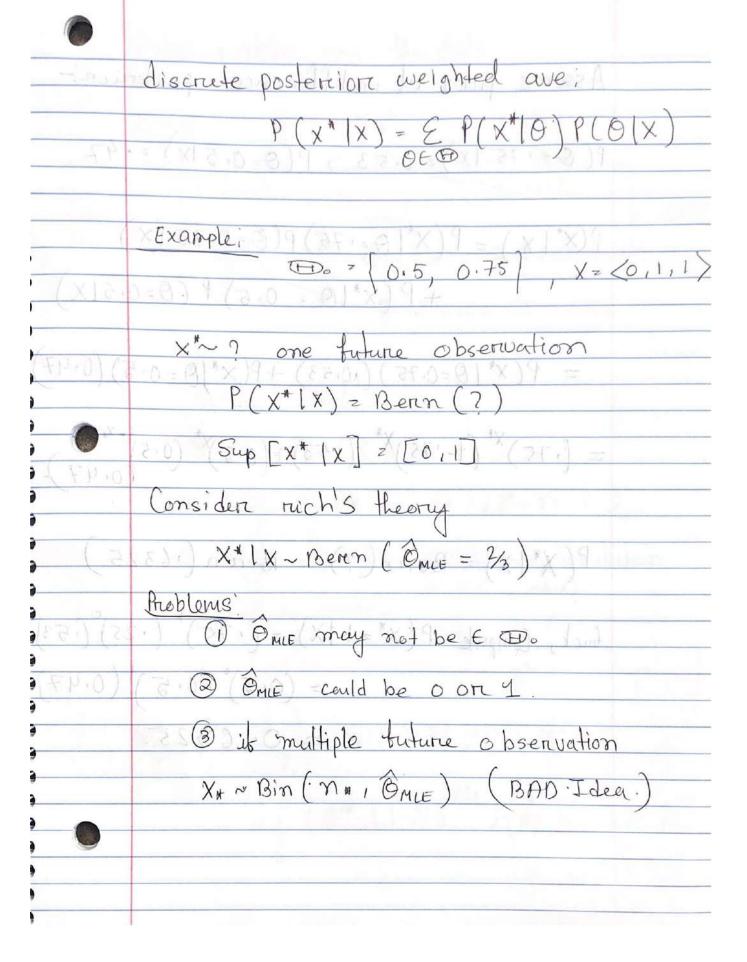
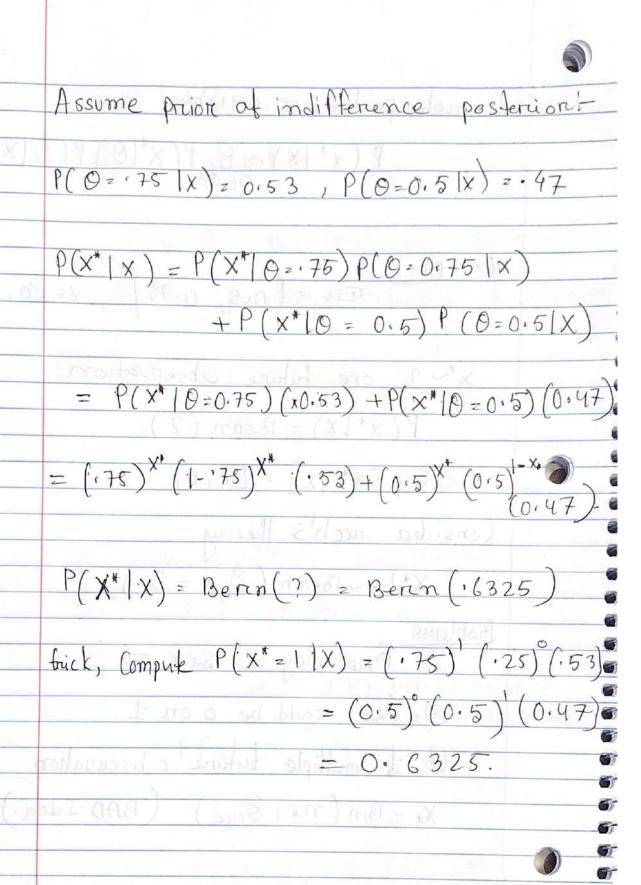
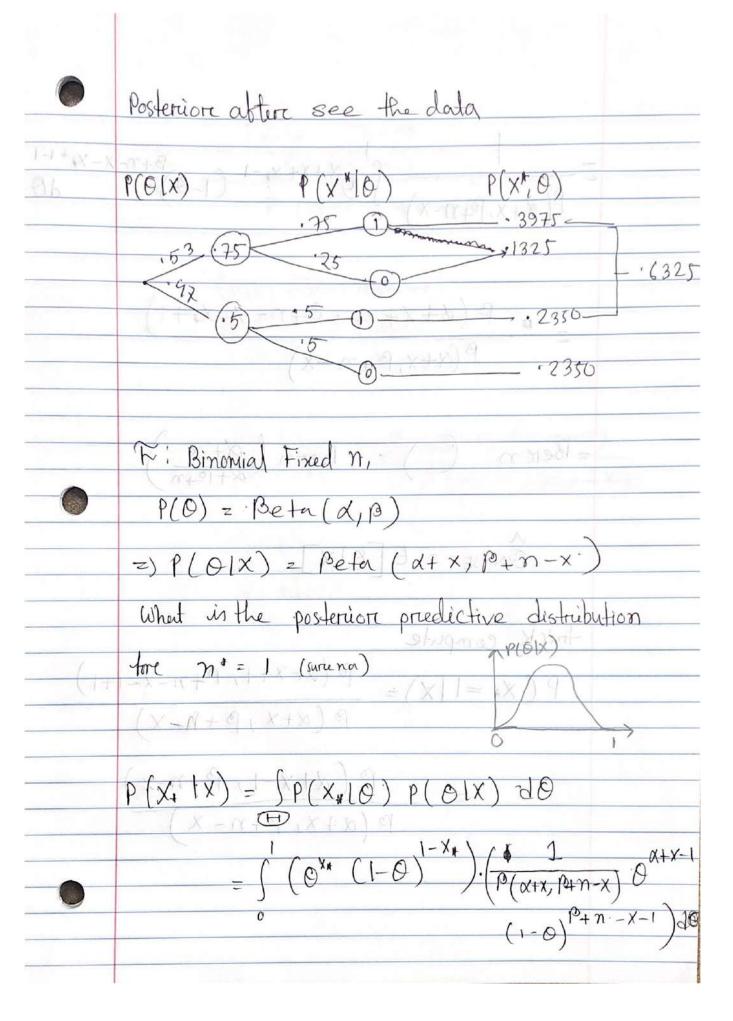
Lecture - 08; Ho: 0=00 Ha: 0 +0 = 0.5 two sided test it Praj := P(Holx) < X -> Reject Ho/ LOS / Accept Ha. P. (O= Oo. (X) = O = Problem as meldassog is p(0) = U(011). Two ideas: 1) You declare & e.g & 20.01, a" margin at equavalence" then you modify the hypothesis; Ho: O E [Oo + 87 29 [49, 5] Ha: 0 € [0,±8]. Pral = P(Holx) = P(O + [O. 48] |x). = 9 be-la (0.51,62,40) - 9 beta(.49,62,40) n = 100 X=61 = (small) 0.609 - 0.607 = 0.002 { d = 51. => Reject Ho.

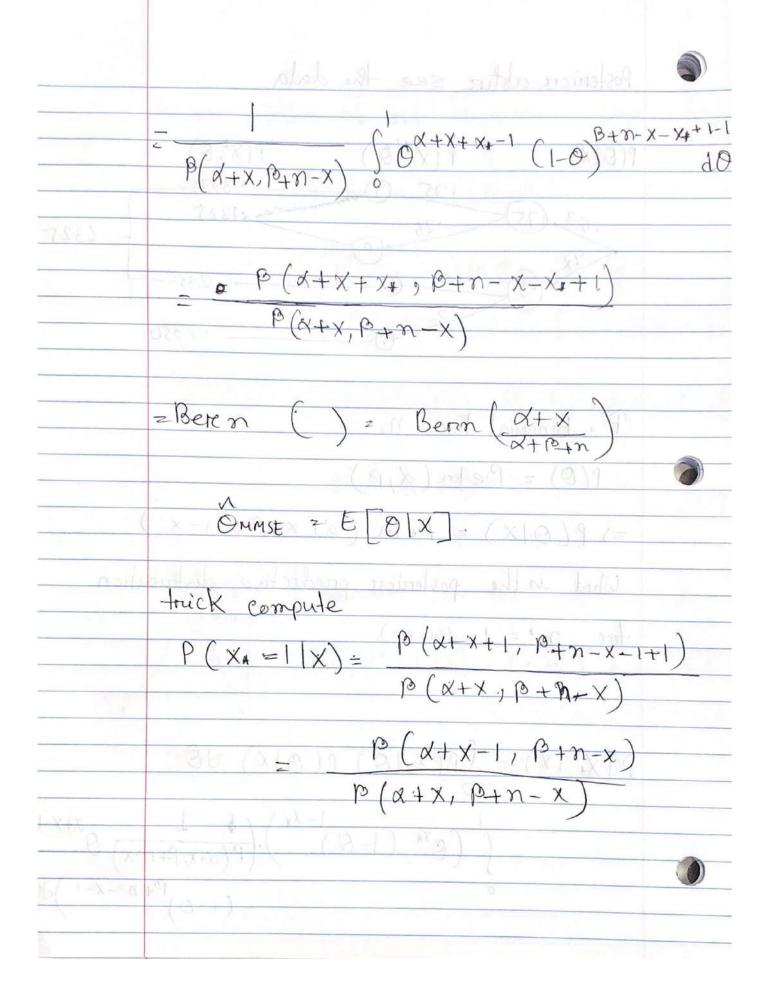
PLO(X) CR if OE CRO,1-x => Retain to else Rejec Downside : no Pralue! > Explanation (inference) Modeling > Prediction => Seen X, ... Xn and You want to know how future X* (Future data) will be distributed P(Xx X) distributed Posterior predictive distribution Liber hood



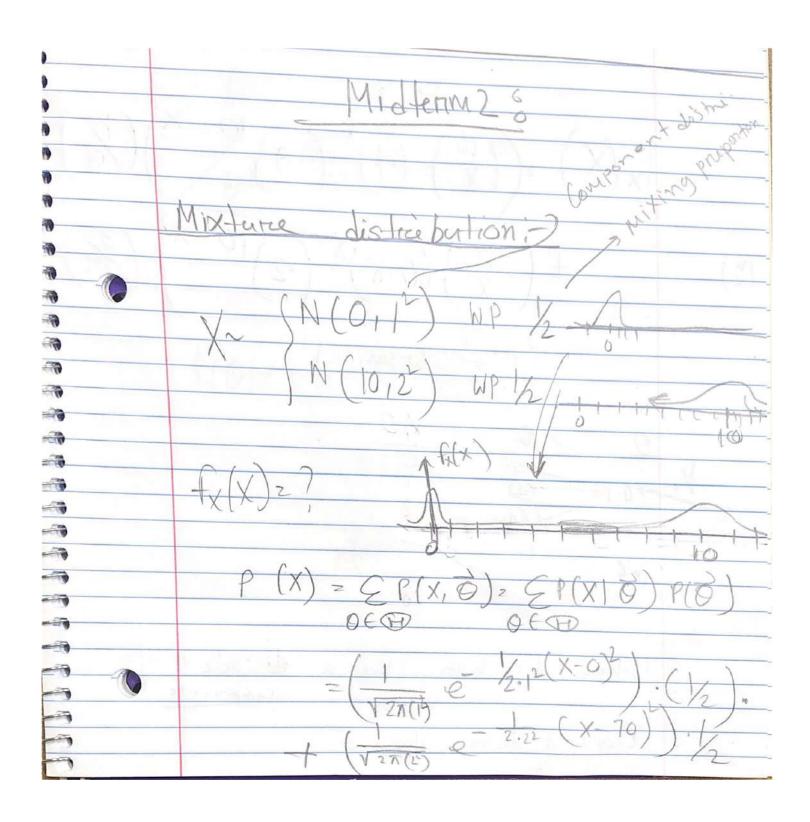


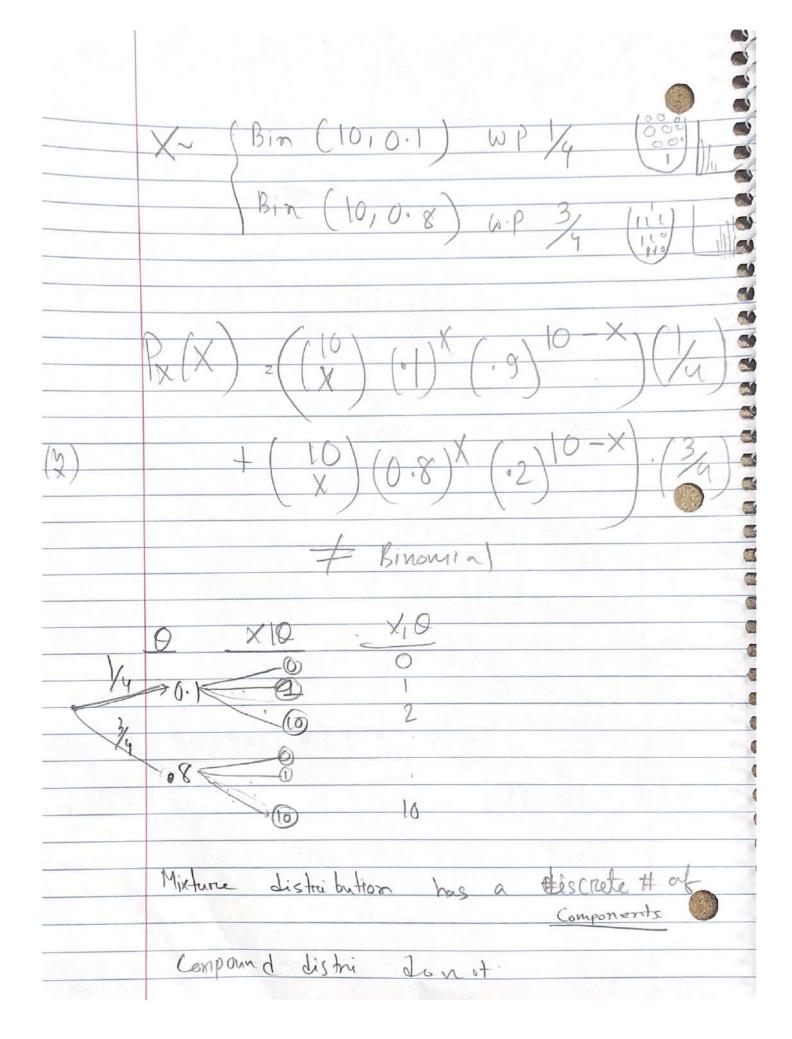






1x+x+1 1 13+ mx [K+B+n+1) B (X+X, B+n-X) (X+X) [(X+X) TCB+n-X) (x+B+n) B(X+X, B+n-X d+ B+n.





X~ Bin 410 suppund dirthi