Assignment 3.1 Ho: cost 2/20000 14,: WSI < 120000 cost & permal (ps. 12000) 12 rosmal (115000, 9000) Dala: = 12/2/000 Prior odds = (H12) = Po = P(H12) = P(M12 Z120000)
P(M12) = P(M12) = P(M12) we know that Exporm (o. 12000) pin Nova (115000, 1000) So, pite ~ (115000 + 0, 290002 + 120002) Heing R > probability & prom (120000, mean = 115000, sd = 15000+12000 prior cold = 1-probability = 0.58589 2 0.59 (b) Rayes factor Atlachmente odds(Holfala) = B. odds(Holz) ces Loss table state of nature P(HolPala,I) = 0.96,7 = 0.4902 Hitras Arapting Ho 6000 (H1/Dalu, 2)=0.5098 Exception H. 4000 Minimizing the expected Emperted posterior los posterior loss gives Action 0.019.2 + 6000.0,5098=3058 Acopting Home the action 'Accepting H! 6.45.2.4000 = 1960.8 Accepting 141