Z. a. Hp. p = 3X: Bo+BTX=03 < Rt From Lecture 14 Page 81 2= 11811 We want to shift all X a distance \hat{d} in the direction orthogonal to $\beta \rightarrow X^{\pm} = X \pm \frac{d\hat{\beta}}{|\hat{\beta}|}$ $X = X^{\pm} - \frac{d\hat{\beta}}{|\hat{\beta}|}$ X=X+161 H = \(\times \) = \(\begin{align*} H = {x+ | Bo+ B (x+ - 18112) = 0} H = {x- | Bo+ B (x+ + 18112) = 0} H = {X : \$\hat{\beta}_0 + \beta^T X^+ = 13 H = {\forall X} : \$\hat{\beta}_0 + \beta^T X^- = -13