HS 267 LECTURE NOTES 2/14/08

(1) "95% CONFIDENCE" → EX 17.2 HYPOTHETICAL SITUATION
PREVALENCE IN TWO POPULATIONS IS 25%

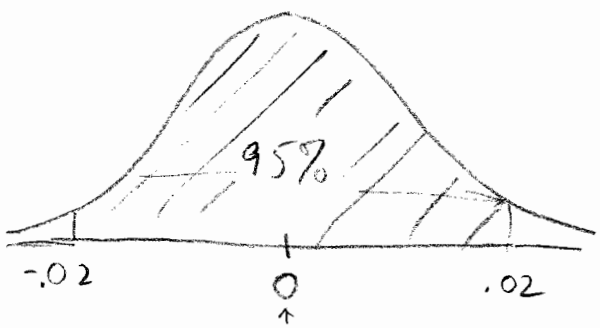
$p_1 = .25 \quad p_2 = .25 \quad p_1 - p_2 = 0$

NOTICE - NO HATS

$n_1 = 3750 = n_2$

$$\sigma_{\hat{p}_1 - \hat{p}_2} = \sqrt{\frac{p_1 q_1}{n_1} + \frac{p_2 q_2}{n_2}} = 0.01$$

SAMPLING DISTRIBUTION OF $\hat{p}_1 - \hat{p}_2$ ESTIMATES FROM THIS POPULATION



ASSUMES NO SYSTEMATIC ERRORS

(2) "FATHER OF CLINICAL STATISTICS" EXERCISE 17.6 PCA LOUIS ← PUBLIC HEALTH LINEAGE

BLOODLETTING STUDIES

(1) THE INCREASED MORTALITY IN THE GROUP THAT WAS BLOODLET WAS NOT STATISTICALLY SIGNIFICANT @ $\alpha = .05$ (BFD)

(2) LOUIS NEVER RECOMMENDED TO STOP THE TREATMENT, ALTHOUGH HE DID CALL IT INTO QUESTION.

(3) MOVE EXAM 1 FROM 2/28 TO 3/6 ? → YES

(4) LAB 2 LAST ITEM = RESOLVE THE DISCREPANCY BETWEEN THE EXPERIMENTAL AND OBSERVATIONAL STUDIES ON POSTMENOPAUSAL ESTROGEN USE: MULTIPLE EXPLANATIONS

(5) LECTURE §18.1 - §18.3

(6) LAB 3