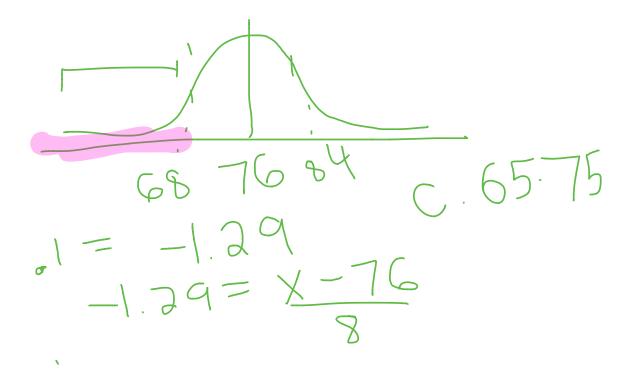
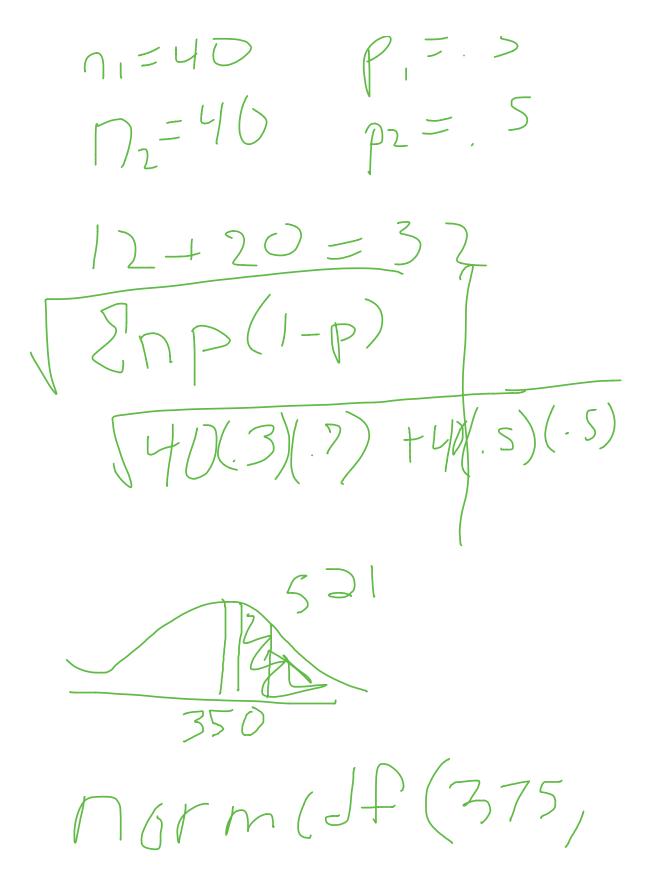
GoovenHW-CHIDFR p. 609

How do I perform a chi square test for homogeneity?



- 1



375,999,350,171

7 for homogeneity comparative experiment H. There is no difference in distribution of response Gratients w/moderately Severe cases of depression when taking St. Johns Wort,

Zoloft, or Placebo. Ha: There is a diff..... Check Conditions. Kandom / Large Sample Size Allexpected counts > (3/23) ane greater thans. Independence - Knowing response of one subject will not affect the other subjects' responses.

two-way-table X for homogeneity : df = (rows -1) columns -1) df = (3-1)(3-1) = 4Calc: x2cdf(8.72,1000,4) P-value=0,0685 - 1 1 pm

Interpret the p-value in the he context of the problem.

Assuming that the treatments are equally effective, the probability of observing a difference in the distribution of responses among the three treatment groups as large or larger than the one in the study is approximately 0.0685.

1. When do you use a ?? X² for homo generty? 2. List 3 conditions.