Homework 5

STA321

Due April 9

1. In April 2 we went through an example of compare two proportions as a statistical test in class.

   Suppose we do not have the full data available, but only that a smaller fraction of the observations (from both samples).

   How much observations we need in order to achieve significant result at 5 percent level? Assume we always keep the Vioxx group rate at 45/1287, and the rate for placebo group at 25/1299.

   For example, in class, I tried the sample size 648 and 650 and did not get significance. (but with full sample of 1287 and 1299 we do get significance).