**NAME: SANDEEP PATIL**

**Email: saashasandeep@gmail.com**

**DATA ANALYTICS WITH R, EXCEL and TABLEAU**

**Session 9 – Assignment – 9.1**

1. If Z is norm (mean = 0, sd = 1)

Find P(Z > 2.64)

Find P(|Z| > 1.39)

Answer: > #1. If Z is norm (mean = 0, sd = 1)> #Find P(Z > 2.64)> 1 - pnorm(2.64, mean=0, sd=1)[1] 0.004145301> #Find P(|Z| > 1.39)> 1-(pnorm(1.39)-pnorm(-1.39))[1] 0.1645289>

1. Answer: Our null hypothesis in this problem is H 0 : p = 0. 4 and the alternative hypothesis is H 1 : p < 0 . 4. We reject the null hypothesis if ˆ p is too small, that is, if

p-0.4 / 0.4(1-0.4)/n <-za

where α = 0 . 01 and − z 0 . 01 is