Session-9-Assignment-2

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#1. Calculate the P Value for the test in Problem 2.  
pnorm(0.4)

## [1] 0.6554217

pnorm(abs(0.4))

## [1] 0.6554217

#2. How do you test the proportions and compare against hypothetical props? Test Hypothesis: proportion of automatic cars is 40%.  
prop.test(table(mtcars$am)[2], nrow(mtcars), p = 0.4, alternative = "less", conf.level = 0.99, correct = FALSE)

##   
## 1-sample proportions test without continuity correction  
##   
## data: table(mtcars$am)[2] out of nrow(mtcars), null probability 0.4  
## X-squared = 0.0052083, df = 1, p-value = 0.5288  
## alternative hypothesis: true p is less than 0.4  
## 99 percent confidence interval:  
## 0.0000000 0.6070996  
## sample estimates:  
## p   
## 0.40625