# Assignment (9.2) 06- Jan 2018

1. Calculate the P Value for the test in Problem 2.

**Sol:-** We use pnorm to find the probability.

pnorm(1)

[1] 0.8413447

2. How do you test the proportions and compare against hypothetical props? Test Hypothesis: proportion of automatic cars is 40%.

**Sol:-**

> prop.test(12,24, p=0.4, alternative = "less", conf.level = 0.99,correct = F)

1-sample proportions test without continuity correction

data: 12 out of 24, null probability 0.4

X-squared = 1, df = 1, p-value = 0.8413

alternative hypothesis: true p is less than 0.4

99 percent confidence interval:

0.0000000 0.7144782

sample estimates:

p

0.5