

Session 9

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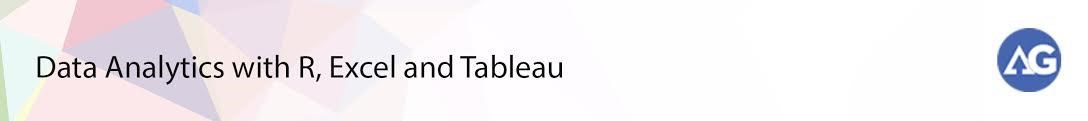
Statistical

Inference

Assignment

-

2



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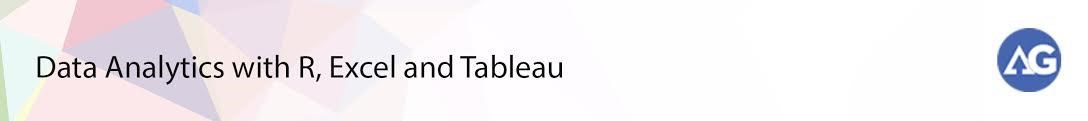
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**Introduction**

This assignment will help you to understand the key concepts learnt in this session.

# Objective

This assignment will test your skills on Theorems and Tests in R.

# Prerequisites

Not Applicable

# Associated Data Files

Not Applicable

# Problem Statement

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

|  |
| --- |
|  |
| Ans- pnorm(0.4) |  |
| pnorm(abs(0.4)) |  |
|  |  |

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| --- |
| 2 |

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

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# Expected Output

Not Applicable

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