SESSION 11: Linear Models

Assignment 2

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1. Introduction

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

2. Objective

This assignment will test your skills on the basics of Regression Analysis and Modeling.

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. Problem Statement

1. Use the link given below and locate the bank marketing dataset.
https://archive.ics.uci.edu/ml/machine-learning-databases/00222/

Perform the below operations:

a. Is there any association between job and default?
b. Is there any significant difference in duration of last call between? people having housing loan or not?
c. Is there any association between consumer price index and consumer?
d. Is the employment variation rate consistent across Job types?
e. Is the employment variation rate same across Education?
f. Which group is more confident?

6. Expected Format

1. R file should be submitted where applicable.
2. R file should be in PDF or in .r format
3. Proper screenshots of the outputs should be submitted as well
4. The r codes, if submitted in any other format, will be subjected to deduction in marks

Note: Your solution will not be entertained if it is any other format, e.g., .zip, .doc, .rtf etc.

7. Approximate Time to Complete Task

20 mins.