

TEB2164 Introduction to Data Science
Lab 9b- Correlation Analyses and Normalization in R

Learning Outcomes

At the end of the session, you will be able to:

- Understanding correlation
- Plotting correlation with heatmap
- Understanding normalization with log transformation, standard scaling and min-max scaling

Activity

1. Using “ToothGrowth” dataset, compute correlation analysis and plot the correlation using a heatmap. Discuss your observation/insight based on the findings.
2. Using “mtcars” dataset, compute normalization using log transformation, standard scaling and min-max scaling. Compare and contrast your finding of the three results. Discuss your findings.

Submission

- Submit to your GA.