

Problem 1: Calculating the Statistical Measures in R

Get the following built-in dataset in R, and write an R function to calculate the mean (average), variance, standard deviation, median, and mode of each column of the data.

```
data(trees)
```

Problem 2: Visualizing Data Distributions

Write an R script to visualize the distribution of each column of trees dataset using a histogram and boxplot.

What do you conclude from the results?

Problem 3: Visualizing Trees Data Using ggplot2

Using the tree dataset, create a scatter plot using ggplot2 to show the relationship between Height, and Volume. Additionally, add a smooth line to display the trend.