Statistics Rapport

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## Description

# Questions

## Question 1: *Study and discuss the distribution of the variables Volume and Size. To do this, discuss appropriate graphical representations. Also, formally determine whether the data is normally distributed. If this is not the case, in what way does the data deviate from normally distributed data? Discuss.*

### Answer:

If we look at both variables, we can see that both are positive skewed graphs.

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The data deviates more to the right if we compare it to a normal distribution.

## Question 2: *Investigate whether there is a correlation between "thick acorns," which are oak trees whose acorn volume is at least 3 cm3, and the area in which the tree occurs. To do this, create a new variable called "thick acorn." Then, perform an appropriate test to determine if there is a significant correlation between thick acorns and the tree's geographic location.*

### Answer:

## Question 3: *Can you predict Height from log(Volume)? Answer this question thoroughly and as completely as possible.*

### Answer: