

# NIST Decision Tree Report

## Summary

Date: 2021-11-07  
Selected Procedure: Hierarchical Gauss-Gauss  
Consensus estimate: 33.59  
Standard uncertainty: 0.796  
95% coverage interval: (31.953, 35.227)  
Dark uncertainty (tau): 1.295  
Tau postereror 0.025 and 0.975 quantiles: (0.824,3.39)

## Decision Tree Hypothesis test results

Cochran's test for Homogeneity:  
p-value:  $p < 0.001$   
 $Q = 68.22$  (Reference Distribution: Chi-Square with 5 Degrees of Freedom)  
tau est. = 1.711  
tau/median(x) = 0.05093  
tau/median(u) = 3.14  
Shapiro-Wilk test for Normality:  $p = 0.53$   
Miao-Gel-Gastwirth test of Symmetry:  $p = 0.93$

## Plots



