NIST Decision Tree Report

Summary

Date: 2021-11-18
Selected Procedure: Hierarchical Gauss-Gauss
Consensus estimate: 12.01
Standard uncertainty: 0.001
95% coverage interval: (12.007, 12.013)
Dark uncertainty (tau): 0.046
Tau postererior 0.025 and 0.975 quantiles: (0.000112,0.00604)

Decision Tree Hypothesis test results

Cochran's test for Homogeneity:
p-value: 0.052
$Q = 10.99$ (Reference Distribution: Chi-Square with 5 Degrees of Freedom)
tau est. $= 0.002116$
tau/median(x) $= 0.0001762$
tau/median(u) $= 1.144$

Shapiro-Wilk test for Normality: $p = 0.451$

Miao-Gel-Gastwirth test of Symmetry: $p = 0.972$

Plots

KCV Estimation: Hierarchical Gauss–Gauss

Unilateral Degrees of Equivalence