

NIST Decision Tree Report

Summary

Include	Laboratory	Result	Uncertainty	DegreesOfFreedom
TRUE	IRMM	34.30	1.03	60
TRUE	KRISS	32.90	0.69	4
TRUE	NARL	34.53	0.83	18
TRUE	NIST	32.42	0.29	2
TRUE	NMIJ	31.90	0.40	13
TRUE	NRC	35.80	0.38	60

Date: 2022-05-23

Selected Procedure: Hierarchical Gauss-Gauss

Consensus estimate: 33.61

Standard uncertainty: 0.7996

95% coverage interval: (32.01, 35.21)

Dark uncertainty (tau): 1.685

Tau posterior 0.025 and 0.975 quantiles: (0.8328,3.399)

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

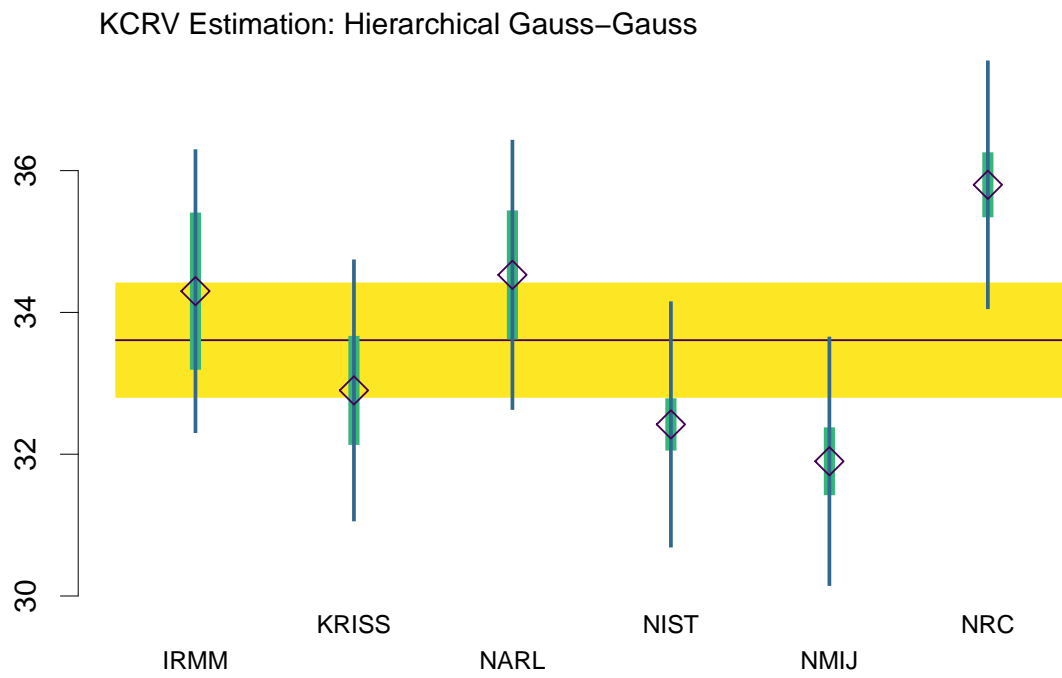
tau/median(x) = 0.05093

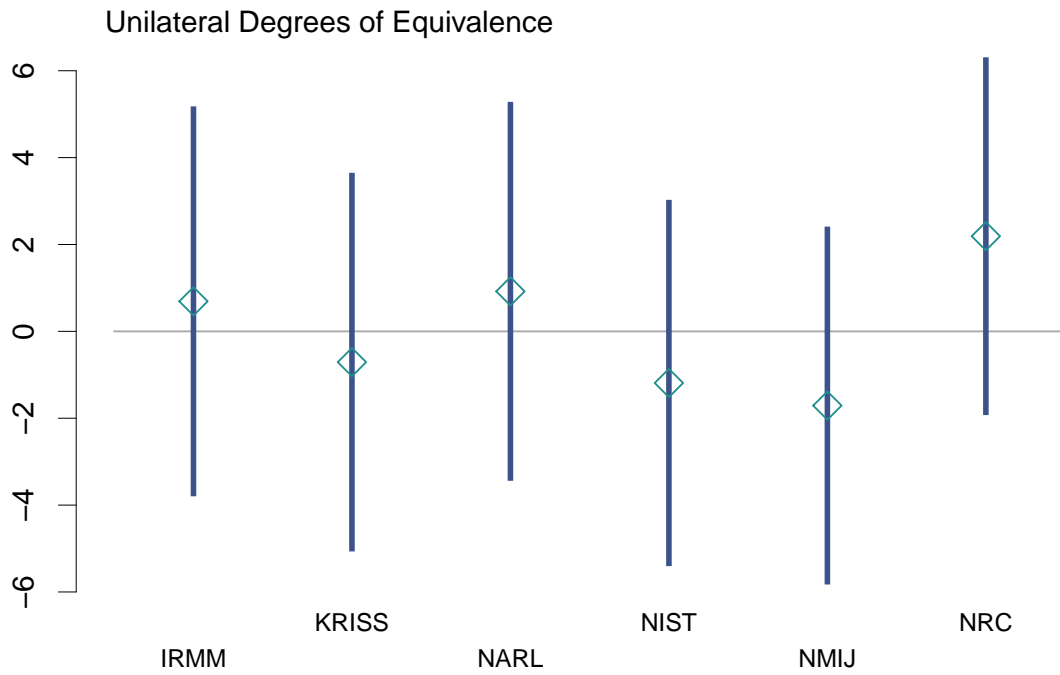
tau/median(u) = 3.14

Shapiro-Wilk test for Normality: $p = 0.5301$

Miao-Gel-Gastwirth test of Symmetry: $p = 0.9446$

Plots





	Lab	DoE.x	DoE.U95	DoE.Lwr	DoE.Upr
IRMM	IRMM	0.6914	4.481	-3.733	5.116
KRISS	KRISS	-0.7086	4.293	-5.003	3.586
NARL	NARL	0.9214	4.339	-3.376	5.219
NIST	NIST	-1.1890	4.152	-5.341	2.964
NMIJ	NMIJ	-1.7090	4.048	-5.764	2.347
NRC	NRC	2.1910	4.057	-1.863	6.246