

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: 2022-05-09

Selected Procedure: Weighted Median

Consensus estimate: 32.27

Standard uncertainty: 0.6452

95% coverage interval: (31.85, 34.54)

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

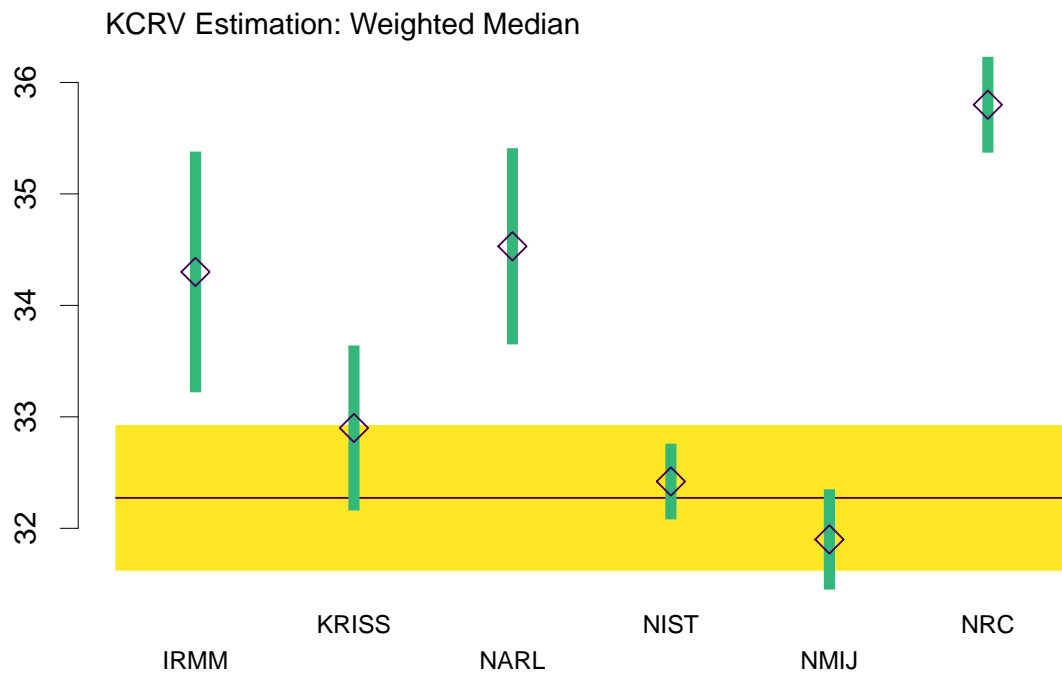
tau/median(x) = 0.05093

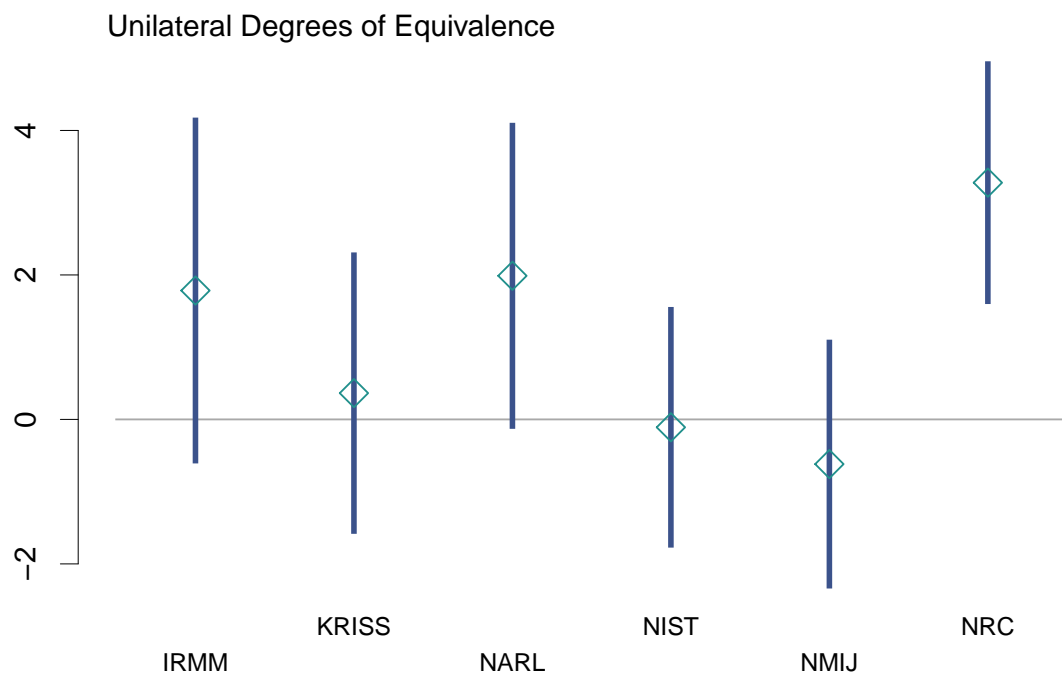
tau/median(u) = 3.14

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

Miao-Gel-Gastwirth test of Symmetry: $p = 0.9334$

Plots





	Lab	DoE.x	DoE.U95	DoE.Lwr	DoE.Upr
IRMM	IRMM	1.7840	2.402	-0.57040	4.139
KRISS	KRISS	0.3640	1.879	-1.54500	2.273
NARL	NARL	1.9880	2.094	-0.09167	4.067
NIST	NIST	-0.1092	1.409	-1.73600	1.518
NMIJ	NMIJ	-0.6184	1.515	-2.30200	1.065
NRC	NRC	3.2770	1.486	1.63600	4.919