NIST Decision Tree Report

Summary

Include	Laboratory	Result	Uncertainty	DegreesOfFreedom
1	1	0.7265070	0.0000205	60.4
1	2	0.7264960	0.0000193	60.4
1	3	0.7264762	0.0000172	60.4
1	4	0.7264473	0.0000550	60.4
1	5	0.7264409	0.0000099	60.4
1	6	0.7264950	0.0000610	60.4
1	7	0.7266288	0.0001250	60.4
1	8	0.7264925	0.0000260	60.4
1	9	0.7264246	0.0000066	60.4
1	10	0.7264193	0.0000146	60.4
1	11	0.7265245	0.0000288	60.4
1	12	0.7265106	0.0000271	60.4
1	13	0.7264844	0.0000190	60.4
0	14	0.7265372	0.0000124	60.4
1	15	0.7264830	0.0000266	60.4
1	16	0.7263116	0.0001058	60.4
1	17	0.7264622	0.0000332	60.4

Date: 2022-04-27
Selected Procedure: Hierarchical Laplace-Gauss
Consensus estimate: 0.7265
Standard uncertainty: 1.155e-05
95% coverage interval: (0.7265, 0.7265)
Dark uncertainty (tau): 3.491e-05
Tau posterior 0.025 and 0.975 quantiles: (1.679e-05,6.495e-05)

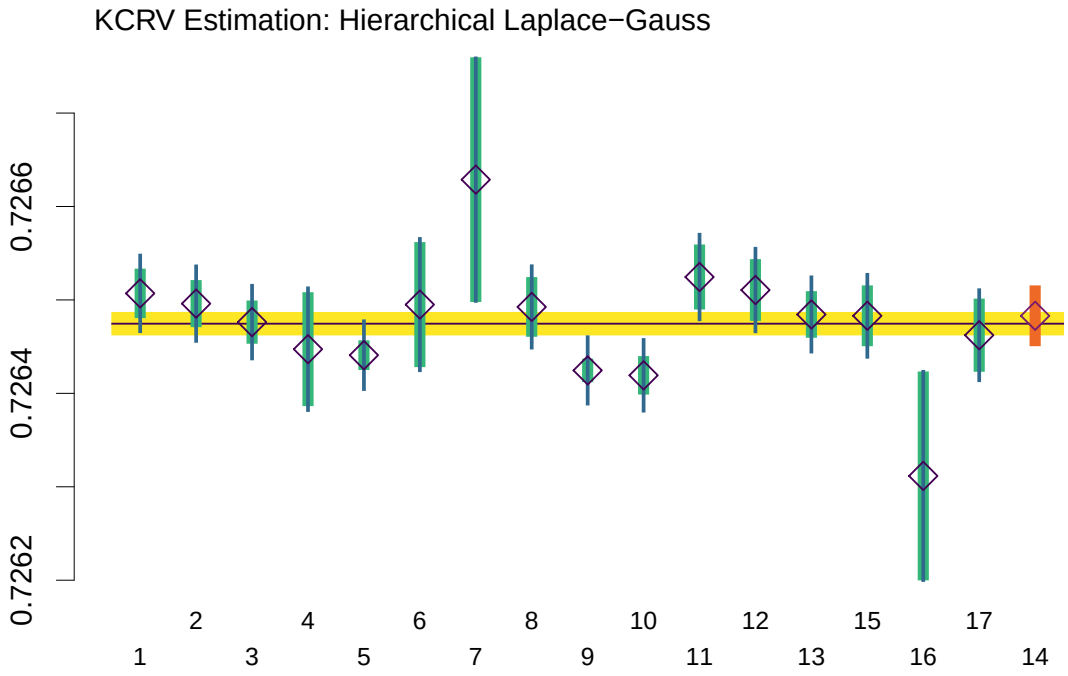
Decision Tree Hypothesis test results

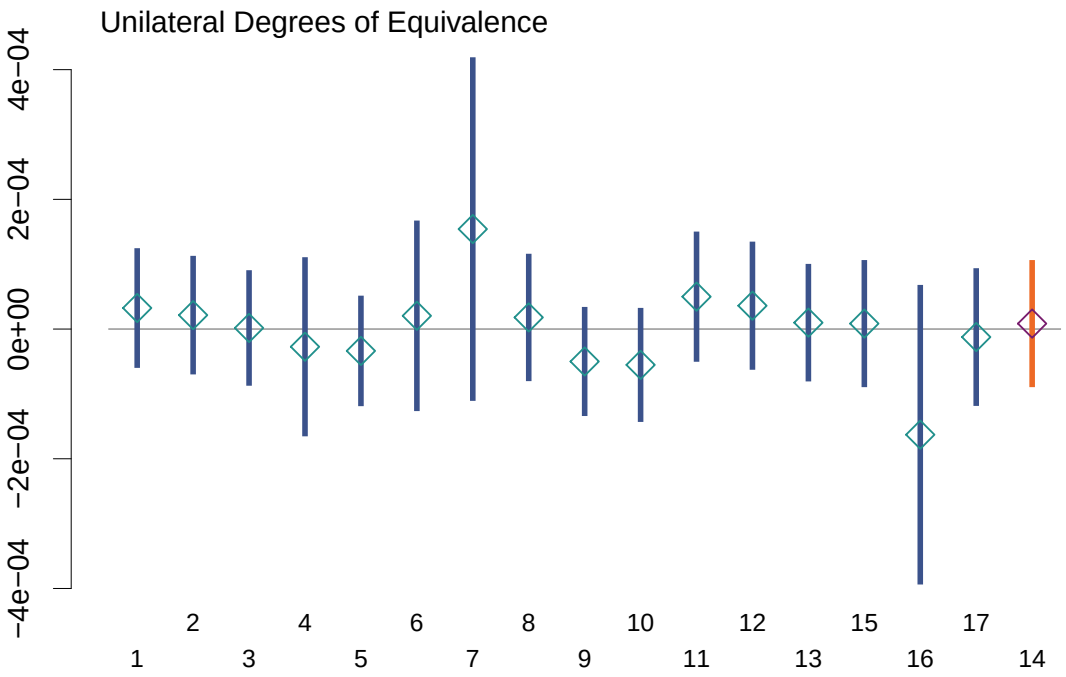
Cochran's test for Homogeneity:
p-value: $p < 0.001$
Q = 59.46 (Reference Distribution: Chi-Square with 15 Degrees of Freedom)
tau est. = 3.183e-05
tau/median(x) = 4.381e-05
tau/median(u) = 1.211

Shapiro-Wilk test for Normality: p = 0.0007753

Miao-Gel-Gastwirth test of Symmetry: p = 0.474

Plots


KCRV Estimation: Hierarchical Laplace−Gauss
0.7266
0.7264
0.7262
2
4
6
8
10
12
15
17
1
3
5
7
9
11
13
16
14



Lab	DoE.x	DoE.U95	DoE.Lwr	DoE.Upr
1	0.0000324	0.0000884	-0.0000556	0.0001204
2	0.0000215	0.0000873	-0.0000656	0.0001086
3	0.0000017	0.0000851	-0.0000831	0.0000864
4	-0.0000273	0.0001355	-0.0001611	0.0001065
5	-0.0000337	0.0000805	-0.0001146	0.0000472
6	0.0000204	0.0001447	-0.0001222	0.0001630
7	0.0001542	0.0002653	-0.0001064	0.0004148
8	0.0000179	0.0000940	-0.0000760	0.0001118
9	-0.0000500	0.0000790	-0.0001298	0.0000298
10	-0.0000553	0.0000832	-0.0001389	0.0000284
11	0.0000500	0.0000973	-0.0000461	0.0001460
12	0.0000360	0.0000952	-0.0000584	0.0001305
13	0.0000099	0.0000862	-0.0000764	0.0000962
14	0.0000626	0.0000811	-0.0000190	0.0001443
15	0.0000084	0.0000945	-0.0000853	0.0001021
16	-0.0001629	0.0002298	-0.0003896	0.0000638
17	-0.0000123	0.0001029	-0.0001142	0.0000895