

root degree

# iterations	1,000	10,000	100,000	500,000	1,000,000	10,000,000
# iterations / mean effective sample size (= gap size used for KS)	32	213	232	265	276	384
shrink factor estimate (with transformed values)	3.22	1.08	1.03	1	1	1
shrink factor estimate (with untransformed values)	2.01	1.07	1.02	1	1	1
shrink factor upper confidence limit (with transformed values)	10.1	1.21	1.08	1.01	1	1
shrink factor upper confidence limit (with untransformed values)	8.56	1.18	1.06	1	1	1
mean of effective sample size	31	47	431	1886	3624	28771
standard deviation of effective sample size	50	29	239	797	1424	6487
mean of KS statistic using above sample size	0.491	0.088	0.051	0.02	0.017	0.006
mean of p-value for KS using above sample size	0.002	0.748	0.396	0.499	0.434	0.486

number of leaves

# iterations	1,000	10,000	100,000	500,000	1,000,000	10,000,000
# iterations / mean effective sample size (= gap size used for KS)	500	1111	1030	1046	1044	1059
shrink factor estimate (with transformed values)	7	1.1	1.06	1	1	1
shrink factor estimate (with untransformed values)	6.53	1.1	1.05	1	1	1
shrink factor upper confidence limit (with transformed values)	13.7	1.27	1.15	1	1	1
shrink factor upper confidence limit (with untransformed values)	13.1	1.27	1.15	1	1	1
mean of effective sample size	2	9	97	478	958	9441
standard deviation of effective sample size	0.2	1.6	9.6	33	49	63
mean of KS statistic using above sample size	0.866	0.299	0.089	0.042	0.022	0.008
mean of p-value for KS using above sample size	0.14	0.295	0.451	0.488	0.678	0.61

height

# iterations	1,000	10,000	100,000	500,000	1,000,000	10,000,000
# iterations / mean effective sample size (= gap size used for KS)	333	833	1010	945	942	897
shrink factor estimate (with transformed values)	9.3	1.08	1.02	1	1	1
shrink factor estimate (with untransformed values)	7.22	1.08	1.03	1	1	1
shrink factor upper confidence limit (with transformed values)	19.4	1.21	1.07	1	1	1
shrink factor upper confidence limit (with untransformed values)	23.6	1.22	1.07	1	1	1
mean of effective sample size	3	12	99	529	1062	11146
standard deviation of effective sample size	1.1	7.8	44	164	228	576
mean of KS statistic using above sample size	0.862	0.346	0.11	0.037	0.019	0.007
mean of p-value for KS using above sample size	0.092	0.118	0.238	0.573	0.782	0.712