

Results

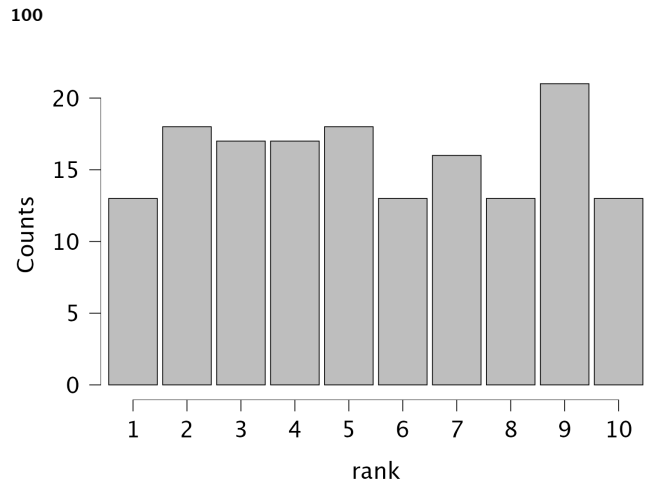
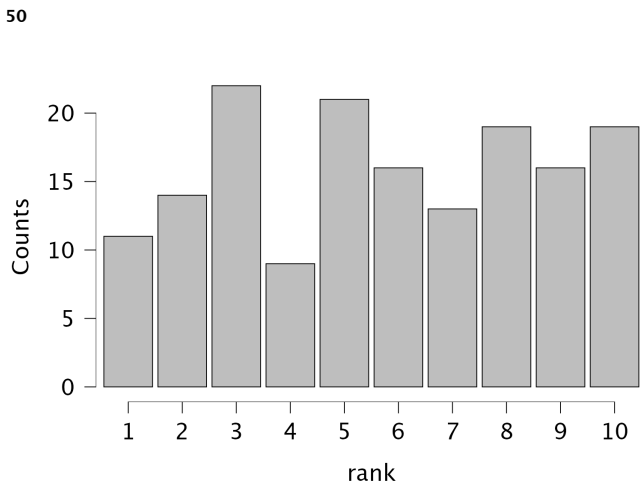
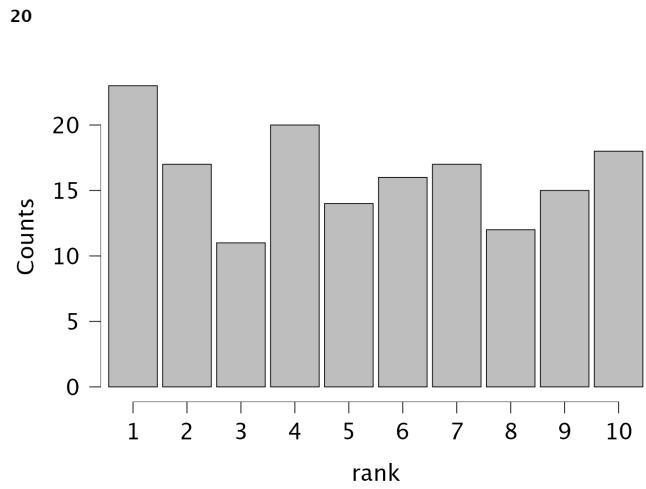
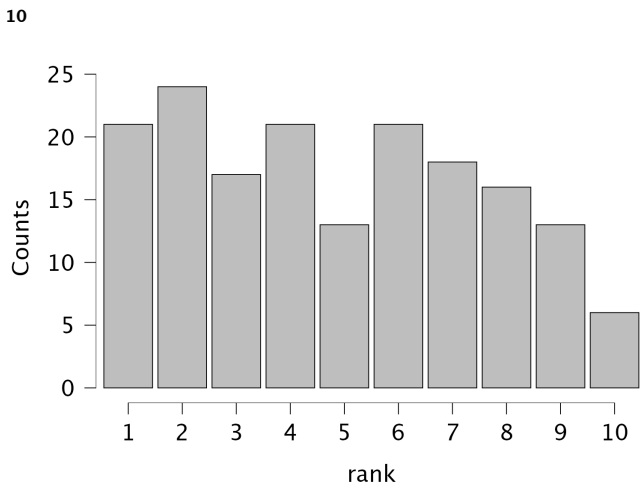
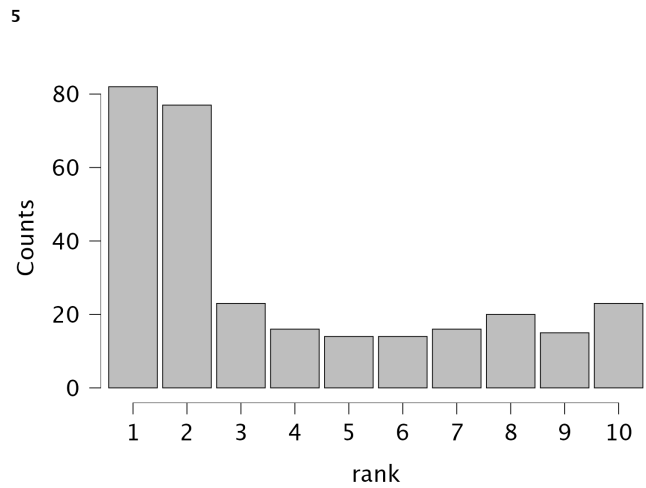
Descriptive Statistics

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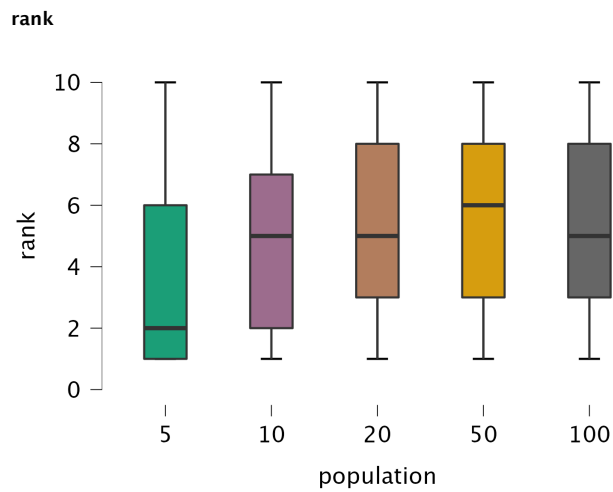
		Valid	Missing	Mean	Std. Deviation	Variance	Skewness	Std. Error of Skewness	Kurtosis	Std. Error of Kurtosis	Shapiro-Wilk	P-value of
rank	5	300	0	3.867	3.061	9.367	0.816	0.141	-0.808	0.281	0.820	
rank	10	170	0	4.859	2.701	7.294	0.168	0.186	-1.157	0.370	0.937	
rank	20	163	0	5.313	2.993	8.957	0.065	0.190	-1.251	0.378	0.925	
rank	50	160	0	5.744	2.838	8.053	-0.044	0.192	-1.223	0.381	0.934	
rank	100	159	0	5.478	2.839	8.061	0.041	0.192	-1.251	0.383	0.934	

Distribution Plots

rank



Boxplots



ANOVA

ANOVA – rank

Cases	Sum of Squares	df	Mean Square	F	p
heuristic	1295.312	1	1295.312	181.437	< .001
population	520.570	4	130.143	18.229	< .001
heuristic * population	55.317	4	13.829	1.937	0.102
Residuals	6725.121	942	7.139		

Note. Type III Sum of Squares

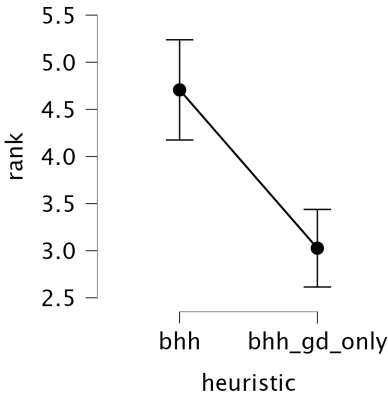
Descriptives

Descriptives – rank

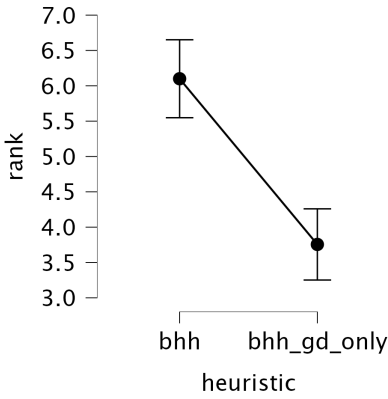
heuristic	population	Mean	SD	N
bhh	10	6.100	2.478	80
	100	6.696	2.839	79
	20	6.875	2.707	80
	5	4.707	3.296	150
	50	7.000	2.610	80
bhh_gd_only	10	3.756	2.405	90
	100	4.275	2.284	80
	20	3.807	2.442	83
	5	3.027	2.551	150
	50	4.487	2.490	80

Descriptives plots

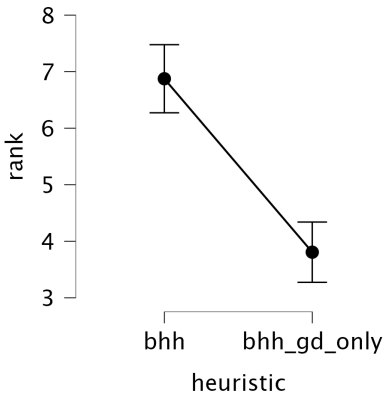
population: 5



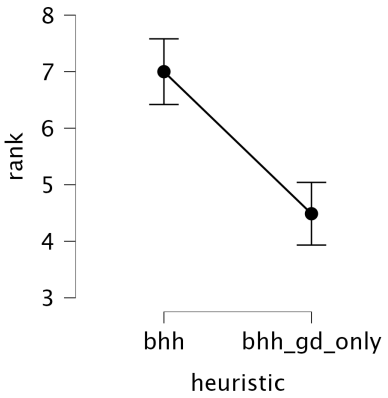
population: 10



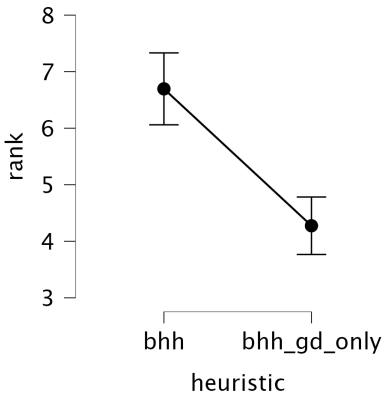
population: 20



population: 50

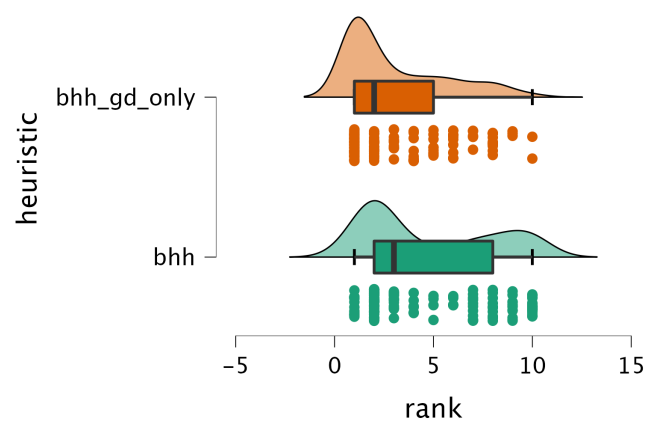


population: 100

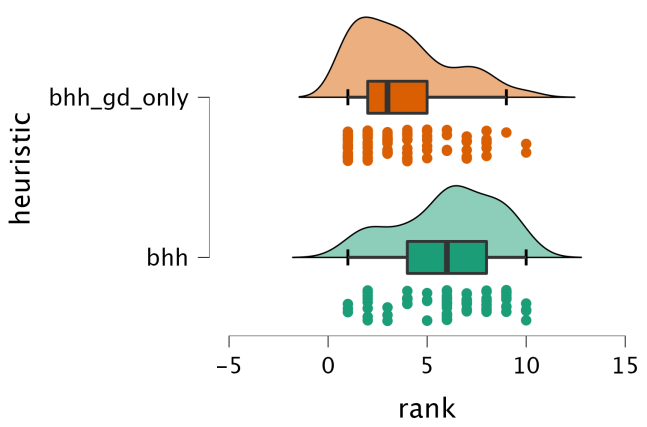


Raincloud plots

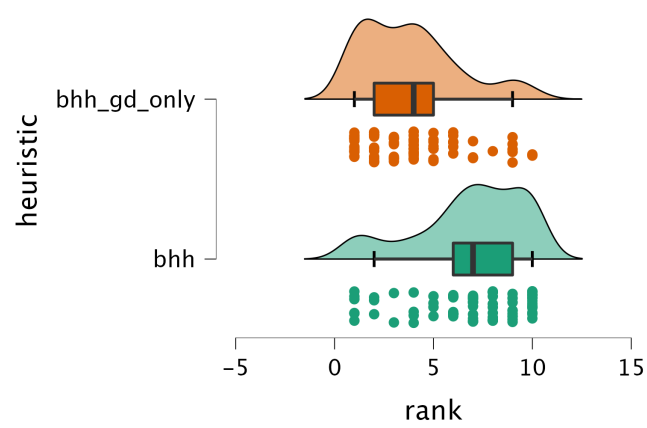
population: 5



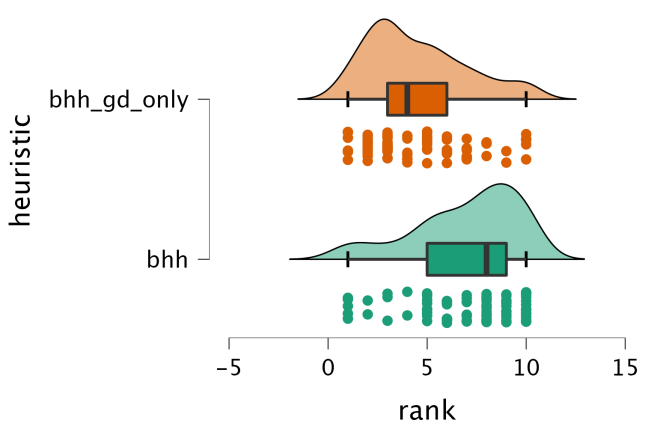
population: 10



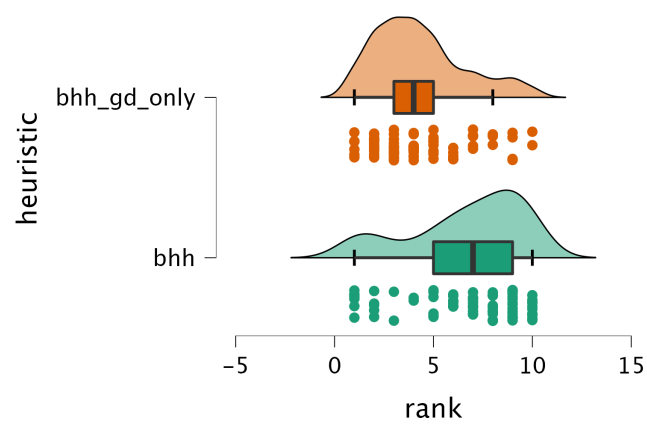
population: 20



population: 50



population: 100



Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
7.248	9.000	942.000	< .001

Post Hoc Tests

Standard

Post Hoc Comparisons – heuristic

		95% CI for Mean Difference			SE	t	Ptukey
		Mean Difference	Lower	Upper			
bhh	bhh_gd_only	2.405	2.055	2.756	0.179	13.470	< .001***

Note. Results are averaged over the levels of: population
*** p < .001

Post Hoc Comparisons – population

		95% CI for Mean Difference			SE	t	Ptukey
		Mean Difference	Lower	Upper			
5	10	−1.061	−1.763	−0.359	0.257	−4.132	< .001***
	20	−1.474	−2.185	−0.764	0.260	−5.670	< .001***
	50	−1.877	−2.592	−1.162	0.262	−7.176	< .001***
10	100	−1.619	−2.335	−0.903	0.262	−6.177	< .001***
	20	−0.413	−1.215	0.388	0.293	−1.410	0.621
	50	−0.816	−1.621	−0.011	0.295	−2.770	0.045*
20	100	−0.558	−1.364	0.249	0.295	−1.891	0.323
	50	−0.403	−1.215	0.410	0.297	−1.354	0.657
	100	−0.144	−0.959	0.670	0.298	−0.485	0.989
50	100	0.258	−0.560	1.076	0.299	0.863	0.910

Note. Results are averaged over the levels of: heuristic
Note. P-value and confidence intervals adjusted for comparing a family of 5 estimates (confidence intervals corrected using the tukey method).
* p < .05, ** p < .01, *** p < .001

Kruskal–Wallis Test

Kruskal–Wallis Test

Factor	Statistic	df	p
heuristic	132.515	1	< .001
population	65.015	4	< .001

