

# Results

## Descriptive Statistics

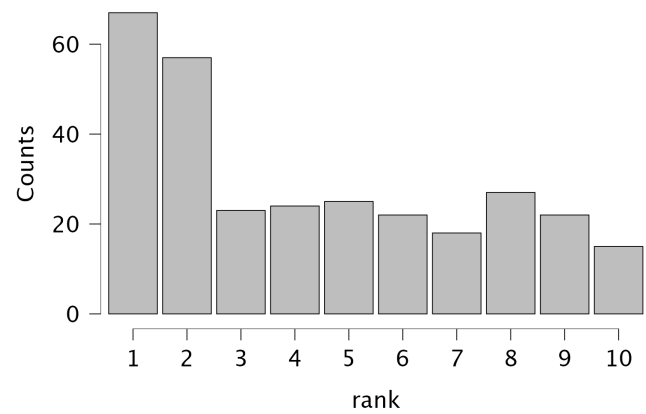
Descriptive Statistics

		Valid	Missing	Mean	Std. Deviation	Variance	Skewness	Std. Error of Skewness	Kurtosis	Std. Error of Kurtosis	Shapiro-Wilk	P-value of
rank	10	300	0	4.310	2.961	8.770	0.476	0.141	-1.157	0.281	0.884	
rank	20	220	0	5.309	2.884	8.315	0.091	0.164	-1.232	0.327	0.932	
rank	50	220	0	5.127	2.944	8.669	0.186	0.164	-1.240	0.327	0.924	
rank	100	220	0	5.623	2.741	7.515	0.022	0.164	-1.134	0.327	0.942	
rank	300	202	0	5.802	2.823	7.971	-0.202	0.171	-1.119	0.341	0.936	

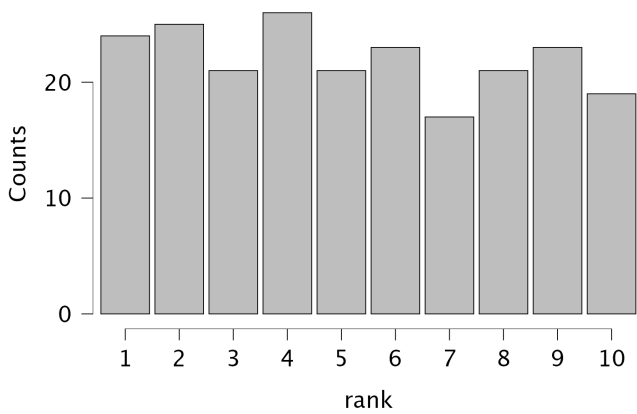
## Distribution Plots

rank

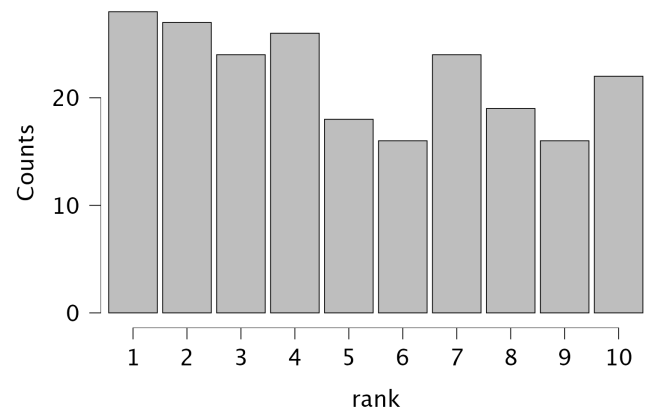
10



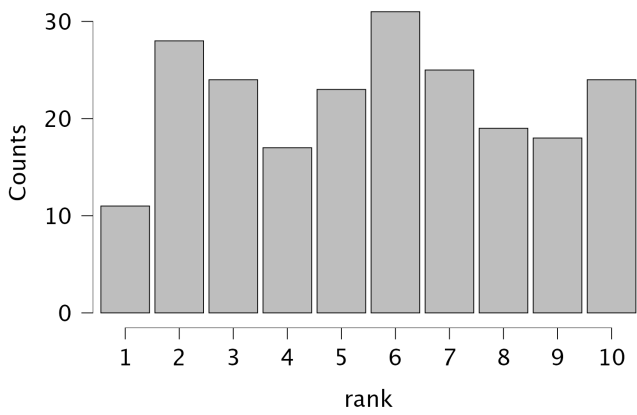
20



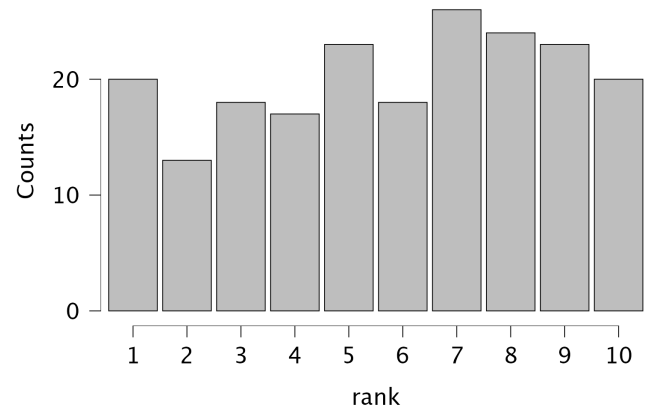
50



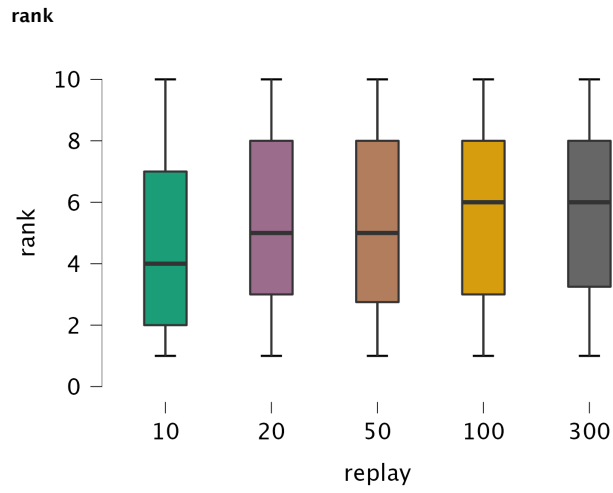
100



300



Boxplots



ANOVA

ANOVA – rank

Cases	Sum of Squares	df	Mean Square	F	p
heuristic	1581.734	1	1581.734	228.932	< .001
replay	349.422	4	87.356	12.643	< .001
heuristic * replay	27.892	4	6.973	1.009	0.402
Residuals	7959.389	1152	6.909		

Note. Type III Sum of Squares

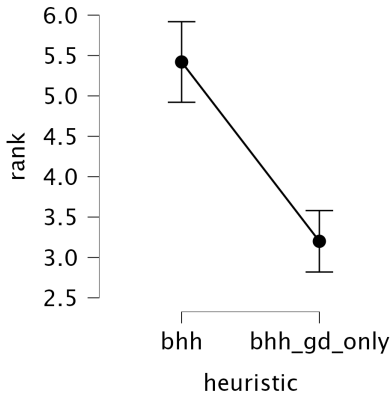
Descriptives

Descriptives – rank

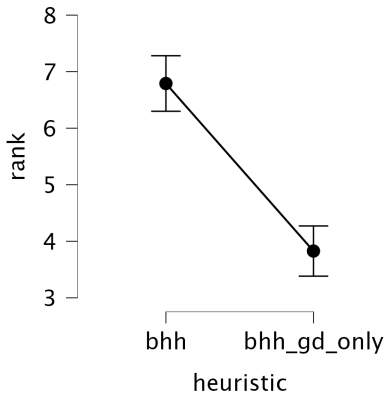
heuristic	replay	Mean	SD	N
bhh	10	5.420	3.092	150
	100	6.791	2.520	110
	20	6.791	2.599	110
	300	6.892	2.536	102
	50	6.155	2.918	110
bhh_gd_only	10	3.200	2.357	150
	100	4.455	2.448	110
	20	3.827	2.350	110
	300	4.690	2.673	100
	50	4.100	2.602	110

Descriptives plots

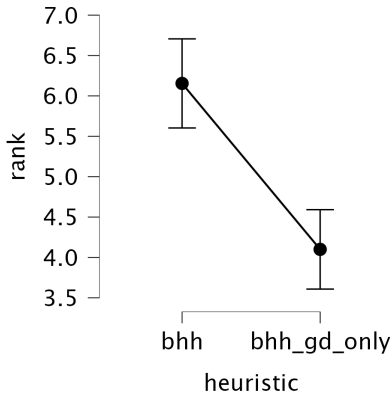
replay: 10



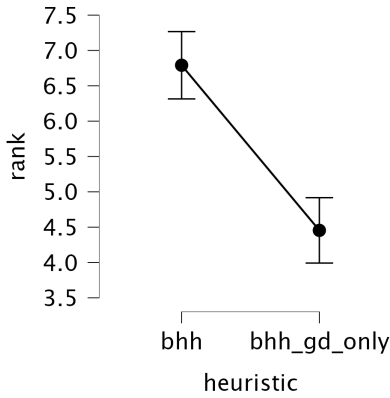
replay: 20



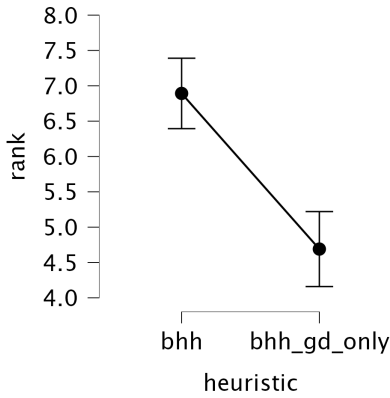
replay: 50



replay: 100

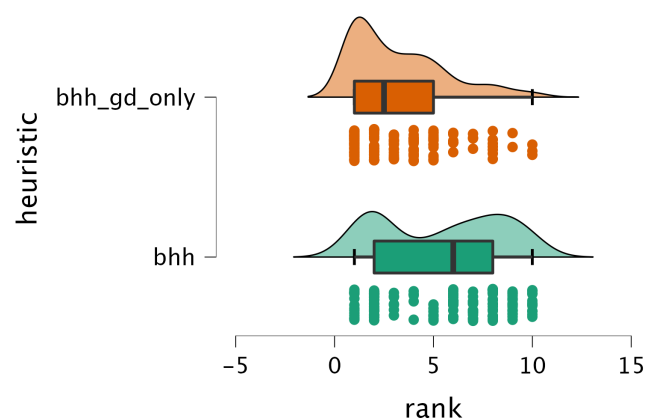


replay: 300

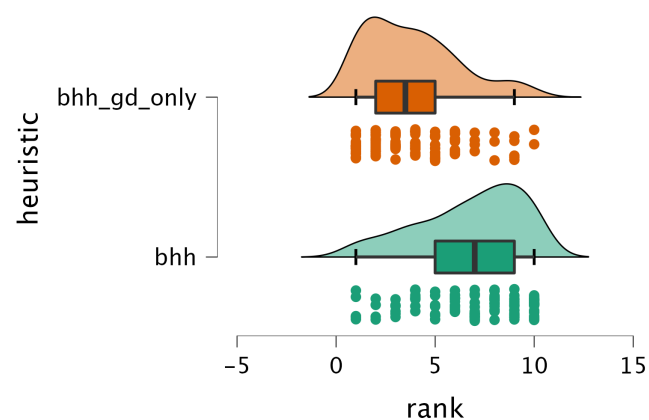


## Raincloud plots

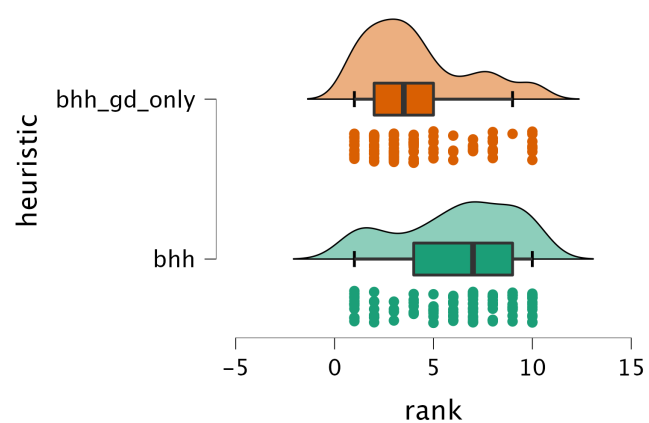
replay: 10



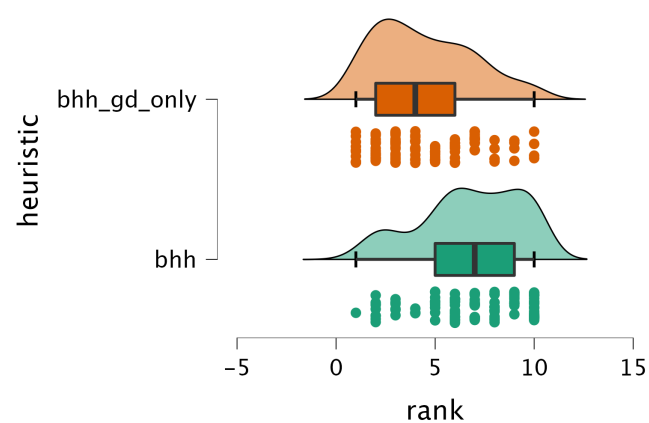
replay: 20



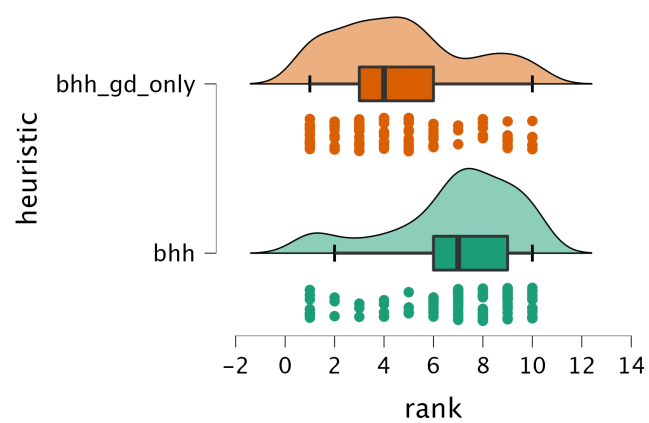
replay: 50



replay: 100



replay: 300



## Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
4.904	9.000	1152.000	< .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	2.355	2.050	2.661	0.156	15.130	< .001***

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

Post Hoc Comparisons – replay

		95% CI for Mean Difference			SE	t	Ptukey
		Mean Difference	Lower	Upper			
10	20	−0.999	−1.637	−0.362	0.233	−4.282	< .001***
	50	−0.817	−1.455	−0.180	0.233	−3.503	0.004**
	100	−1.313	−1.950	−0.675	0.233	−5.626	< .001***
20	300	−1.481	−2.135	−0.827	0.239	−6.191	< .001***
	50	0.182	−0.503	0.867	0.251	0.725	0.951
	100	−0.314	−0.998	0.371	0.251	−1.251	0.721
50	300	−0.482	−1.182	0.218	0.256	−1.882	0.328
	100	−0.495	−1.180	0.189	0.251	−1.977	0.278
	300	−0.664	−1.364	0.036	0.256	−2.591	0.073
100	300	−0.168	−0.868	0.531	0.256	−0.657	0.965

*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	183.535	1	< .001
replay	43.338	4	< .001

