Supplemental Material: Preliminary Evaluation

1) Percentage intervals for response time, satisfaction rating, and accuracy (log KL divergence) estimates from Bayesian mixed effects models for discrete-outcome and continuous interfaces in preliminary survey.

1. Percentage intervals for response time, satisfaction rating, and accuracy (log KL divergence) for discrete–outcome and continuous interfaces

Interface	Response Time (Time in s)	Satisfaction Rating	Accuracy (Log KLD)
Balls-and-bins 20	[57.7,115.1]	[35.5,54.8]	[-1.95,-1.43]
Balls-and-bins 50	[68.3,127.6]	[40.1,60.9]	[-2,-1.47]
Fill-down paint-by-dragging 20	[49.3,113.1]	[40.4,61.6]	[-1.76,-1.18]
Fill-down paint-by-dragging 100	[75.8,141.7]	[55.4,78.1]	[-1.63,-1]
Paint-by-dragging 20	[31,98.9]	[46.2,68.6]	[-1.36,-0.74]
Paint-by-dragging 100	[99.8,173.7]	[48.4,74]	[-1.5,-0.82]
Continuous-pull-up	[39.3,102.4]	[61.4,82.7]	[-2.83,-2.24]
Continuous-line-drag	[36.6,129.2]	[45.1,77]	[-2.15,-1.27]
Pull-up 20	[65.3,124.9]	[43.5,64.1]	[-2.07,-1.54]
Pull-up 100	[131.9,194.6]	[52.4,74.2]	[-2,-1.42]
Rolling-balls 20	[59.8,119.7]	[27.1,48.1]	[-1.41,-0.84]
Rolling-balls 100	[127,195.5]	[26.5,48.9]	[-1.38,-0.77]