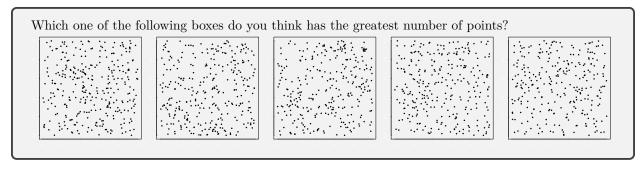
Description and choice data for the domain "Dots"

Description of the choice domain 18, Dots

The prompt question and the universe of five response options in the choice domain Dots are as follows. The labels a, b, c, d and e were not displayed during the experiment and are indicated here to allow cross-referencing with data tables and visualizations below and results in the paper.

% Dots

This domain is a perception example. The true numbers of points are, respectively, 320, 310, 300, 290 and 280. It is much clearer that there are more points in the first panel than in the fifth, than that there are more points in the first than in the second. The difference in the number of points is an obvious similarity measure here that might be expected to lead to similarity effects. {}



The following figure is a screenshot from the actual experiment, with one of the 26 possible menus for this domain.

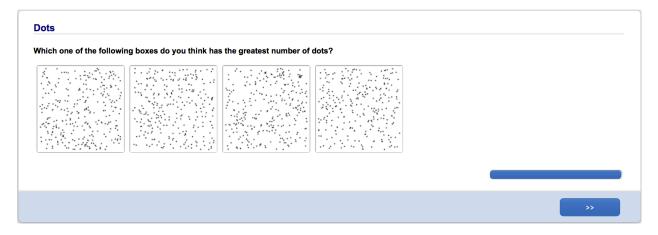


Figure 1: Screenshot for domain Dots

	Choice counts					Choice proportions				
Menu ${\cal A}$	$N_A(a)$	$N_A(b)$	$N_A(c)$	$N_A(d)$	$N_A(e)$	$\hat{P}_A(a)$	$\hat{P}_A(b)$	$\hat{P}_A(c)$	$\hat{P}_A(d)$	$\hat{P}_A(e)$
$\{a,b\}$	31	9	-	-	-	0.775	0.225	-	-	-
$\{a,c\}$	32	-	9	-	-	0.780	-	0.220	-	-
$\{b,c\}$	-	24	16	-	-	-	0.600	0.400	-	-
$\{a,b,c\}$	28	7	5	-	-	0.700	0.175	0.125	-	-
$\{a,d\}$	27	-	-	13	-	0.675	-	-	0.325	-
$\{b,d\}$	-	18	-	22	-	-	0.450	-	0.550	-
$\{a,b,d\}$	29	5	-	6	-	0.725	0.125	-	0.150	-
$\{c,d\}$	-	-	18	22	-	-	-	0.450	0.550	-
$\{a,c,d\}$	24	-	6	10	-	0.600	-	0.150	0.250	-
$\{b,c,d\}$	-	12	12	16	-	-	0.300	0.300	0.400	-
$\{a,b,c,d\}$	22	2	4	12	-	0.550	0.050	0.100	0.300	-
$\{a,e\}$	30	-	-	-	10	0.750	-	-	-	0.250
$\{b,e\}$	-	21	-	-	19	-	0.525	-	-	0.475
$\{a,b,e\}$	24	10	-	-	6	0.600	0.250	-	-	0.150
$\{c,e\}$	-	-	18	-	22	-	-	0.450	-	0.550
$\{a,c,e\}$	26	-	9	_	6	0.634	-	0.220	-	0.146
$\{b,c,e\}$	-	15	9	-	16	-	0.375	0.225	-	0.400
$\{a,b,c,e\}$	26	5	4	-	5	0.650	0.125	0.100	-	0.125
$\{d,e\}$	-	-	-	27	13	-	-	-	0.675	0.325
$\{a,d,e\}$	26	-	-	10	4	0.650	-	-	0.250	0.100
$\{b,d,e\}$	-	14	-	20	6	-	0.350	-	0.500	0.150
$\{a,b,d,e\}$	20	7	-	12	1	0.500	0.175	-	0.300	0.025
$\{c,d,e\}$	-	-	11	20	9	-	-	0.275	0.500	0.225
$\{a,c,d,e\}$	20	-	0	12	8	0.500	-	0.000	0.300	0.200
$\{b,c,d,e\}$	-	11	3	19	7	-	0.275	0.075	0.475	0.175
$\{a,b,c,d,e\}$	23	4	2	6	5	0.575	0.100	0.050	0.150	0.125

Table 1: Observed choice counts and proportions.

Choice data for domain 18, Dots

Table 1 shows choice counts and choice proportions for this choice domain. For each menu A and each object $x \in \{a, b, c, d, e\}$, $N_A(x)$ is the number of participants who chose object x from menu A and $\hat{P}_A(x)$ is the corresponding proportion of participants who chose x from A. When $x \notin A$, a dash is displayed.

The following figure displays choice proportions for all doubleton and tripleton menus in Barycentric coordinates. See a full description of this graphical representation in the paper. Each panel shows choice proportions for all doubleton and tripleton menus of a different tripleton subset of $\{a, b, c, d, e\}$. The downward-pointed (blue) triangle shows the set of ternary choice proportions that are compatible with regularity and the three binary choice proportions, on the corresponding tripleton. The upward-pointed (red) triangle shows the set of ternary choice proportions compatible with the multiplicative inequality and the three binary choice proportions.

