

# Description and choice data for the domain “Impressionist”

## Description of the choice domain 13, Impressionist

The prompt question and the universe of five response options in the choice domain **Impressionist** 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.

% Impressionist Art



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

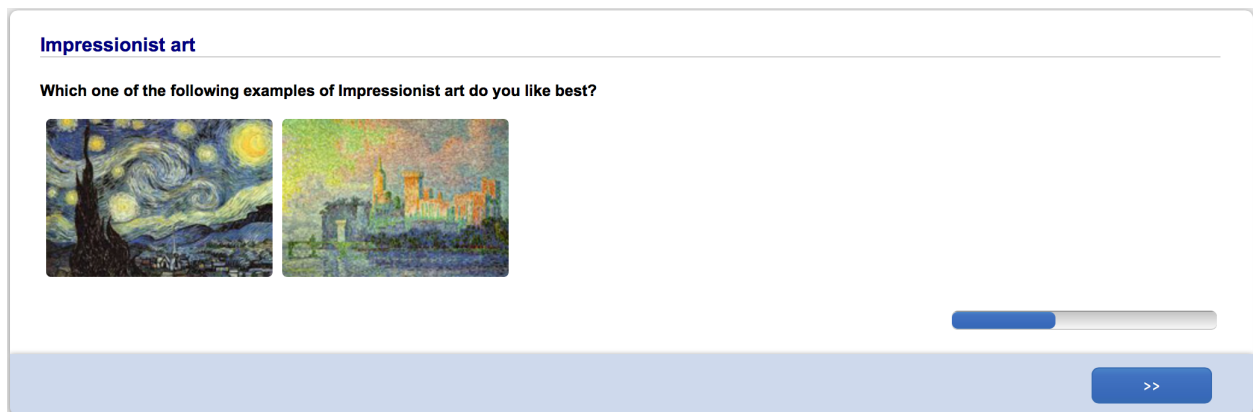


Figure 1: Screenshot for domain Impressionist

Menu $A$	Choice counts					Choice proportions				
	$N_A(a)$	$N_A(b)$	$N_A(c)$	$N_A(d)$	$N_A(e)$	$\hat{P}_A(a)$	$\hat{P}_A(b)$	$\hat{P}_A(c)$	$\hat{P}_A(d)$	$\hat{P}_A(e)$
$\{a, b\}$	26	14	-	-	-	0.650	0.350	-	-	-
$\{a, c\}$	26	-	14	-	-	0.650	-	0.350	-	-
$\{b, c\}$	-	20	20	-	-	-	0.500	0.500	-	-
$\{a, b, c\}$	17	14	9	-	-	0.425	0.350	0.225	-	-
$\{a, d\}$	24	-	-	17	-	0.585	-	-	0.415	-
$\{b, d\}$	-	20	-	20	-	-	0.500	-	0.500	-
$\{a, b, d\}$	16	11	-	13	-	0.400	0.275	-	0.325	-
$\{c, d\}$	-	-	12	28	-	-	-	0.300	0.700	-
$\{a, c, d\}$	22	-	8	10	-	0.550	-	0.200	0.250	-
$\{b, c, d\}$	-	15	6	19	-	-	0.375	0.150	0.475	-
$\{a, b, c, d\}$	21	7	7	5	-	0.525	0.175	0.175	0.125	-
$\{a, e\}$	23	-	-	-	17	0.575	-	-	-	0.425
$\{b, e\}$	-	13	-	-	27	-	0.325	-	-	0.675
$\{a, b, e\}$	17	9	-	-	14	0.425	0.225	-	-	0.350
$\{c, e\}$	-	-	8	-	32	-	-	0.200	-	0.800
$\{a, c, e\}$	21	-	3	-	16	0.525	-	0.075	-	0.400
$\{b, c, e\}$	-	11	4	-	25	-	0.275	0.100	-	0.625
$\{a, b, c, e\}$	17	6	5	-	12	0.425	0.150	0.125	-	0.300
$\{d, e\}$	-	-	-	18	23	-	-	-	0.439	0.561
$\{a, d, e\}$	14	-	-	5	21	0.350	-	-	0.125	0.525
$\{b, d, e\}$	-	11	-	7	22	-	0.275	-	0.175	0.550
$\{a, b, d, e\}$	19	9	-	3	9	0.475	0.225	-	0.075	0.225
$\{c, d, e\}$	-	-	3	11	26	-	-	0.075	0.275	0.650
$\{a, c, d, e\}$	16	-	8	4	12	0.400	-	0.200	0.100	0.300
$\{b, c, d, e\}$	-	12	2	12	14	-	0.300	0.050	0.300	0.350
$\{a, b, c, d, e\}$	10	6	6	4	14	0.250	0.150	0.150	0.100	0.350

Table 1: Observed choice counts and proportions.

### Choice data for domain 13, Impressionist

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.

