Description and choice data for the domain “Aboriginal”

Description of the choice domain 12, `Aboriginal`

The prompt question and the universe of five response options in the choice domain `Aboriginal` 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.

% Aboriginal art

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

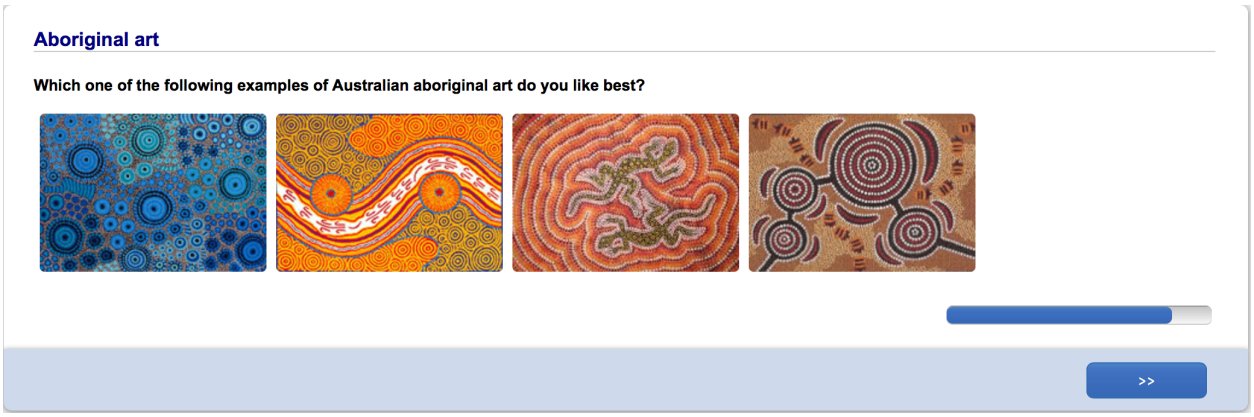


Figure 1: Screenshot for domain Aboriginal

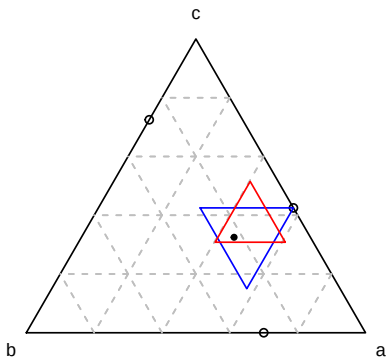
	Choice counts					Choice proportions				
Menu A	$N_A(a)$	$N_A(b)$	$N_A(c)$	$N_A(d)$	$N_A(e)$	$\hat{P}_A(a)$	$\hat{P}_A(b)$	$\hat{P}_A(c)$	$\hat{P}_A(d)$	$\hat{P}_A(e)$
$\{a,b\}$	28	12	-	-	-	0.700	0.300	-	-	-
$\{a,c\}$	23	-	17	-	-	0.575	-	0.425	-	-
$\{b,c\}$	-	11	29	-	-	-	0.275	0.725	-	-
$\{a,b,c\}$	18	9	13	-	-	0.450	0.225	0.325	-	-
$\{a,d\}$	21	-	-	19	-	0.525	-	-	0.475	-
$\{b,d\}$	-	12	-	28	-	-	0.300	-	0.700	-
$\{a,b,d\}$	19	6	-	15	-	0.475	0.150	-	0.375	-
$\{c,d\}$	-	-	15	25	-	-	-	0.375	0.625	-
$\{a,c,d\}$	19	-	14	7	-	0.475	-	0.350	0.175	-
$\{b,c,d\}$	-	11	18	11	-	-	0.275	0.450	0.275	-
$\{a,b,c,d\}$	14	8	12	7	-	0.341	0.195	0.293	0.171	-
$\{a,e\}$	30	-	-	-	10	0.750	-	-	-	0.250
$\{b,e\}$	-	15	-	-	25	-	0.375	-	-	0.625
$\{a,b,e\}$	19	6	-	-	15	0.475	0.150	-	-	0.375
$\{c,e\}$	-	-	23	-	17	-	-	0.575	-	0.425
$\{a,c,e\}$	23	-	10	-	7	0.575	-	0.250	-	0.175
$\{b,c,e\}$	-	8	19	-	13	-	0.200	0.475	-	0.325
$\{a,b,c,e\}$	15	6	11	-	8	0.375	0.150	0.275	-	0.200
$\{d,e\}$	-	-	-	23	17	-	-	-	0.575	0.425
$\{a,d,e\}$	14	-	-	11	15	0.350	-	-	0.275	0.375
$\{b,d,e\}$	-	5	-	21	14	-	0.125	-	0.525	0.350
$\{a,b,d,e\}$	17	9	-	7	7	0.425	0.225	-	0.175	0.175
$\{c,d,e\}$	-	-	15	13	12	-	-	0.375	0.325	0.300
$\{a,c,d,e\}$	18	-	12	6	5	0.439	-	0.293	0.146	0.122
$\{b,c,d,e\}$	-	9	8	9	14	-	0.225	0.200	0.225	0.350
$\{a,b,c,d,e\}$	25	2	6	2	5	0.625	0.050	0.150	0.050	0.125

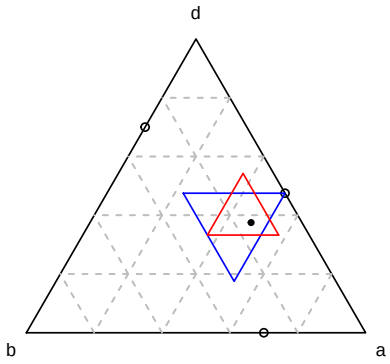
Table 1: Observed choice counts and proportions.

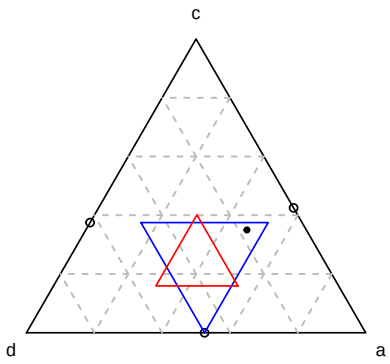
Choice data for domain 12, Aboriginal

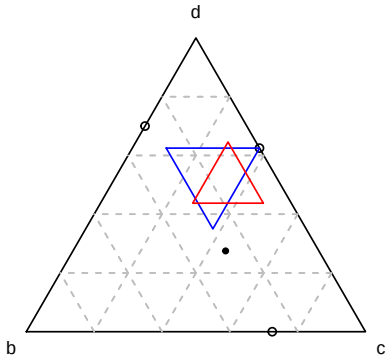
Table 1 shows choice counts and choice proportions for this choice domain. For each menu A and each object $x \in \{a,b,c,d,e\}$, $N_A(x)$ is the number of participants who chose object x from menu A and $\hat{P}_A(x)$ is the corresponding proportion of participants who chose x from A. When $x \notin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

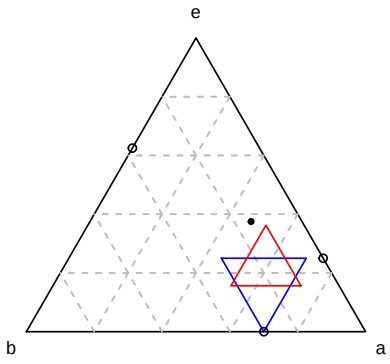
The following figure displays choice proportions for all doubleton and tripleton menus in Barycentric coordinates. See a full description of this graphical representation in the paper. Each panel shows choice proportions for all doubleton and tripleton menus of a different tripleton subset of $\{a,b,c,d,e\}$. 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.

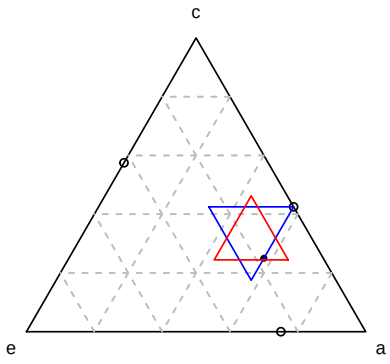

c
b
a


d
b
a


c
d
a


d
b
c


e
b
a


c
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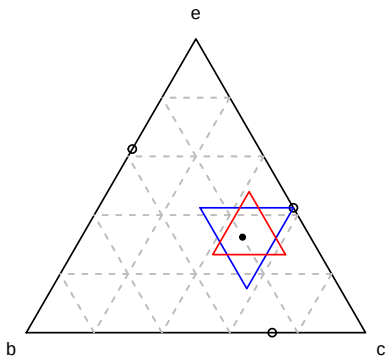
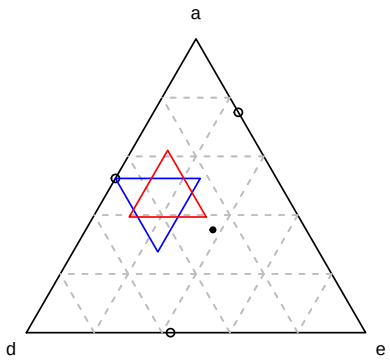
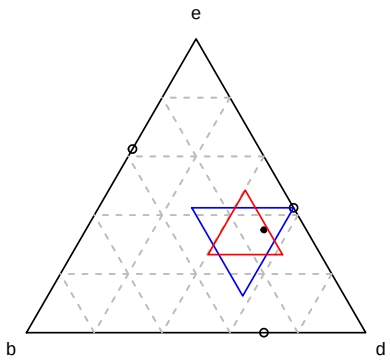

e
b
c


a
d
e


e
b
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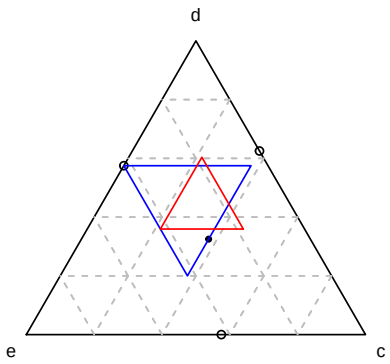
d
e
c