## Description and choice data for the domain "Pizzas"

## Description of the choice domain 5, Pizzas

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

## % Pizzas

The source for this domain is a Montreal pizza restaurant. All these pizzas are either 12 or 13 dollars.

Which one of the following pizzas would you choose?
Mozzarella, tomato sauce, basil
Pepperoni, mushrooms, green pepper, mozzarella, tomato sauce
Red onion, tomato sauce, feta, mozzarella, olive oil, Greek spices, tomato sauce
Bacon, white onion, mozzarella, parmesan, fresh cream, tomato sauce, ground pepper
Mushrooms, green pepper, mozzarella, tomato sauce

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

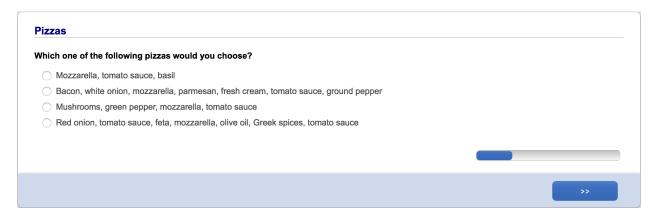


Figure 1: Screenshot for domain Pizzas

	Choice counts					Choice proportions				
Menu ${\cal A}$	$N_A(a)$	$N_A(b)$	$N_A(c)$	$N_A(d)$	$N_A(e)$	$\hat{P}_A(a)$	$\hat{P}_A(b)$	$\hat{P}_A(c)$	$\hat{P}_A(d)$	$\hat{P}_A(e)$
$\{a,b\}$	15	26	-	-	-	0.366	0.634	-	-	-
$\{a,c\}$	23	-	17	-	-	0.575	-	0.425	-	-
$\{b,c\}$	-	22	18	-	-	-	0.550	0.450	-	-
$\{a,b,c\}$	6	18	16	-	-	0.150	0.450	0.400	-	-
$\{a,d\}$	27	-	-	13	-	0.675	-	-	0.325	-
$\{b,d\}$	-	21	-	19	-	-	0.525	-	0.475	-
$\{a,b,d\}$	6	23	-	11	-	0.150	0.575	-	0.275	-
$\{c,d\}$	-	-	17	23	-	-	-	0.425	0.575	-
$\{a,c,d\}$	14	-	13	13	-	0.350	-	0.325	0.325	-
$\{b,c,d\}$	-	21	13	6	-	-	0.525	0.325	0.150	-
$\{a,b,c,d\}$	5	19	6	10	-	0.125	0.475	0.150	0.250	-
$\{a,e\}$	17	-	-	-	23	0.425	-	-	-	0.575
$\{b,e\}$	-	29	-	-	11	-	0.725	-	-	0.275
$\{a,b,e\}$	8	25	-	-	7	0.200	0.625	-	-	0.175
$\{c,e\}$	-	-	21	-	19	-	-	0.525	-	0.475
$\{a,c,e\}$	7	-	15	-	18	0.175	-	0.375	-	0.450
$\{b,c,e\}$	-	26	6	-	8	-	0.650	0.150	-	0.200
$\{a,b,c,e\}$	7	19	12	-	3	0.171	0.463	0.293	-	0.073
$\{d,e\}$	-	-	-	16	24	-	-	-	0.400	0.600
$\{a,d,e\}$	8	-	-	18	14	0.200	-	-	0.450	0.350
$\{b,d,e\}$	-	18	-	10	12	-	0.450	-	0.250	0.300
$\{a,b,d,e\}$	4	15	-	12	9	0.100	0.375	-	0.300	0.225
$\{c,d,e\}$	-	-	6	18	16	-	-	0.150	0.450	0.400
$\{a,c,d,e\}$	9	-	10	9	12	0.225	-	0.250	0.225	0.300
$\{b,c,d,e\}$	-	23	5	9	3	-	0.575	0.125	0.225	0.075
$\{a,b,c,d,e\}$	4	15	8	8	5	0.100	0.375	0.200	0.200	0.125

Table 1: Observed choice counts and proportions.

## Choice data for domain 5, Pizzas

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.

