

Description and choice data for the domain “Female stars”

Description of the choice domain 2, Female stars

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

% Female stars

The source for this domain is the website **ranker.com**, accessed June 4, 2017. The list is “The best American actresses working today’’. These are the top five actors in that list, in order. Jodie Foster’s name was misspelled in the experiment, as two participants noted in the comments.

Which movie star would you choose to have lunch with?

- Meryl Streep
- Jody Foster
- Kathy Bates
- Amy Adams
- Julianne Moore

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

Female Stars

Which movie star would you choose to have lunch with?

☐ Jody Foster

☐ Julianne Moore

☐ Meryl Streep

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Figure 1: Screenshot for domain Female stars

Menu A	Choice counts					Choice proportions				
	$N_A(a)$	$N_A(b)$	$N_A(c)$	$N_A(d)$	$N_A(e)$	$\hat{P}_A(a)$	$\hat{P}_A(b)$	$\hat{P}_A(c)$	$\hat{P}_A(d)$	$\hat{P}_A(e)$
$\{a, b\}$	22	18	-	-	-	0.550	0.450	-	-	-
$\{a, c\}$	26	-	14	-	-	0.650	-	0.350	-	-
$\{b, c\}$	-	22	18	-	-	-	0.550	0.450	-	-
$\{a, b, c\}$	17	17	6	-	-	0.425	0.425	0.150	-	-
$\{a, d\}$	25	-	-	15	-	0.625	-	-	0.375	-
$\{b, d\}$	-	24	-	16	-	-	0.600	-	0.400	-
$\{a, b, d\}$	16	16	-	8	-	0.400	0.400	-	0.200	-
$\{c, d\}$	-	-	24	16	-	-	-	0.600	0.400	-
$\{a, c, d\}$	15	-	10	15	-	0.375	-	0.250	0.375	-
$\{b, c, d\}$	-	17	8	15	-	-	0.425	0.200	0.375	-
$\{a, b, c, d\}$	17	11	6	6	-	0.425	0.275	0.150	0.150	-
$\{a, e\}$	22	-	-	-	18	0.550	-	-	-	0.450
$\{b, e\}$	-	19	-	-	21	-	0.475	-	-	0.525
$\{a, b, e\}$	16	15	-	-	10	0.390	0.366	-	-	0.244
$\{c, e\}$	-	-	21	-	19	-	-	0.525	-	0.475
$\{a, c, e\}$	14	-	7	-	19	0.350	-	0.175	-	0.475
$\{b, c, e\}$	-	18	11	-	12	-	0.439	0.268	-	0.293
$\{a, b, c, e\}$	15	9	9	-	7	0.375	0.225	0.225	-	0.175
$\{d, e\}$	-	-	-	15	25	-	-	-	0.375	0.625
$\{a, d, e\}$	23	-	-	10	7	0.575	-	-	0.250	0.175
$\{b, d, e\}$	-	18	-	10	12	-	0.450	-	0.250	0.300
$\{a, b, d, e\}$	12	15	-	6	7	0.300	0.375	-	0.150	0.175
$\{c, d, e\}$	-	-	8	12	20	-	-	0.200	0.300	0.500
$\{a, c, d, e\}$	21	-	1	15	3	0.525	-	0.025	0.375	0.075
$\{b, c, d, e\}$	-	15	9	11	5	-	0.375	0.225	0.275	0.125
$\{a, b, c, d, e\}$	11	15	4	6	4	0.275	0.375	0.100	0.150	0.100

Table 1: Observed choice counts and proportions.

Choice data for domain 2, Female stars

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.

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## Warning in tritrafo(x, y, z): negative components
## Warning in tritrafo(x, y, z): negative components
## Warning in tritrafo(x, y, z): negative components
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