

**Codebook accompanying
Inferring choice criteria with mixture IRT models:
A demonstration using ad hoc and goal-derived categories**

The data is organized in separate csv-files within a single zip-file for every category described in the paper. Each zip-file contains one csv-file that holds the extension data and separate csv-files for the idealness judgment data (3 to 13, depending on the number of ideals per category). The file names for the extension data are called *categoryname_extension.csv*. The file names for the idealness judgment data are called *categoryname_idealname.csv*.

The first two rows in the extension data contain the English (translated) and the (original) Dutch names for the objects, respectively. They are organized in alphabetical order according to the Dutch names. Every other row represents an individual (254 in total) choosing either to include (coded as 1) or to exclude (coded as 0) the objects in the columns (20 or 25, depending on the category). The order of the individuals is kept constant across categories. That is, entries in corresponding rows in different extension files are from the same individual.

The first two columns in the idealness judgment data contain the English (translated) and the (original) Dutch names for the objects, respectively. They are organized in alphabetical order according to the Dutch names. The remaining columns contain the data from individuals (15 in each file) indicating on a 7-point Likert scale to what extent the objects in the rows display the ideal property that is referenced in the file name. Note that every individual judged a random subset of ideals, so there is no direct correspondence between the columns (individuals) across categories or ideals like there was for the extension data.

The file names for the idealness judgment data contain abbreviations of the full ideals, which can be found in the table below. The order in which the ideals appear in the

table below, corresponds to the order in which the ideals appear in Table 2 in the paper. Ideals 1 to 5 in the first row of Table 2 (car trinkets), for instance, correspond to *<easy to store away>*, *<guarantees safety>*, *<makes travel more agreeable>*, *<small>*, and *<useful>*, respectively.

Ideals per category.

Car trinkets	Burning house	Diet ruiners	Wedding gifts	Pie necessities
easy to store away	emotional value	fatty	not too cheap	appropriate shape
guarantees safety	important	large quantities	not too expensive	convenient to use
makes travel more agreeable	indispensable	many calories	personal	hygienic
small	light	rich in sugar	pleasing	oven-proof
useful	living	tasty	pretty	
	monetary value		useful	
	necessary			
	precious			
	valuable			

Beach trinkets	Means of transport	Election strategies	Hunting weapons	Gardening tools
alleviates appetite	cheap	appears honest	accurate	reliable
durable	comfortable	delivers charisma	discreet	convenient to use
entertaining	fast	looks good	easy to aim	not too heavy
light	not too expensive		easy to handle	sturdy
protects against the elements			easy to hold	safe
relaxing			easy to take with you	
			effective	
			fast	
			light	
			not too big	
			not too heavy	
			safe to use	
			silent	