**Notes on Data Files**

‘RawData.xlsx’ contains the raw trial data and the age and gender data for each participant. It contains a sheet explaining the column titles.

The Matlab function SDTcompute takes the trialData sheet from ‘RawData.xlsx’ as input and generates ‘ResultsFile.xls’. This results file contains five columns in the following order:

1. Participant number
2. Type 1 d-prime for the 1st three quarters of each participant’s responses
3. Type 2 d-prime for the 1st three quarters of each participant’s responses
4. Type 1 d-prime for the last quarter of each participant’s responses
5. Type 2 d-prime for the last quarter of each participant’s responses

The SPSS data file ‘Type1and2’ contains those five columns of data plus two filters. Filter 1 includes only those participants where type 1 d-prime for the 1st three quarters of responses is <= 0 (participants with at-chance decision accuracy). Filter 2 includes only those participants where type 1 d-prime for the 1st three quarters is > 0 (participants with above-chance decision accuracy).

The SPSS results file ‘Type1vs2Analysis’, includes the results of two simple sets of analyses examining the mean type 1 d-prime and type 2 d-prime for the last quarter of responses first including participants showing at-chance decision accuracy in the first three quarters (Filter 1) and then including only participants with greater than chance decision accuracy in the first three quarters (Filter 2). The analyses are done ‘listwise’ i.e. including only those participants for whom both type 1 and type 2 d-prime could be computed.

The ‘Materials.doc’ contains the grammar strings used in the experiments.