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**Project title**: Big Question 4 - Strand A: Variability in language processing

The following files have been archived:

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| File name | File description (Short description of content, sample size, format, any linking between different types of data, i.e. survey and interviews/focus groups) |
| 0.1.Participant\_background.zip | Description: Contains participant IDs and demographic background information; file size: 10 KB; file types: csv, txt |
| 0.2.Health\_Mood\_Sleep\_Questions.zip | Description: Contains participant responses to short questionnaire about well-being; file size: 7 KB; file type: csv |
| 1.Stairs4Words.zip | Description: Contains description and results of receptive vocabulary test (Stairs4Words); file size: 493 KB; file types: csv, txt |
| 2.Peabody\_picture\_vocabulary\_test.zip | Description: Contains description and results of receptive vocabulary test (Peabody Picture Vocabulary Test); file size: 178 KB; file types: csv, txt |
| 3.Spelling\_test.zip | Description: Contains description and results of self-developed spelling test; file size: 125 KB; file types: csv, txt |
| 4.Author\_recognition\_test.zip | Description: Contains description and results of Dutch Author Recognition Test; file size: 253 KB; file types: csv, txt |
| 5.Idiom\_recognition\_test.zip | Description: Contains description and results of Dutch idiom recognition test; file size: 35 KB; file types: csv, txt |
| 6.Prescriptive\_grammar\_test.zip | Description: Contains description and results of self-developed Dutch prescriptive grammar test; file size: 97 KB; file types: csv, txt |
| 7.Syntest.zip | Description: Contains description and results of picture verification test (focus on different syntactic constructions; file size: 78 KB; file types: csv, txt |
| 8.Auditory\_simple\_reaction\_time\_test.zip | Description: Contains description and results of self-developed processing speed test (auditory-simple); file size: 170 KB; file types: txt, R script |
| 9.Auditory\_choice\_reaction\_time\_test.zip | Description: Contains description and results of self-developed processing speed test (auditory-choice); file size: 253 KB; file types: txt, R script |
| 10.Letter\_comparison\_test.zip | Description: Contains description and results of processing speed test (letter comparison); file size: 366 KB; file types: txt, R script |
| 11.Visual\_simple\_reaction\_time\_test.zip | Description: Contains description and results of self-developed processing speed test (visual-simple); file size: 169 KB; file types: txt, R script |
| 12.Visual\_choice\_reaction\_time\_test.zip | Description: Contains description and results of self-developed processing speed (visual-choice); file size: 228 KB; file types: txt, R script |
| 13.Digit\_span\_test.zip | Description: Contains description and results of auditory short-term memory test (digit span); file size: 47 KB; file types: csv, txt |
| 14.Corsi\_block\_clicking\_test.zip | Description: Contains description and results of visual short-term memory test (corsi block clicking); file size: 75 KB; file types: csv, txt |
| 15.Eriksen\_flanker\_test.zip | Description: Contains description and results of inhibition test (Erikson Flanker); file size: 305 KB; file types: txt, R script |
| 16.Antisaccade\_test.zip | Description: Contains description and results of inhibition test (Antisaccade); file size: 717 KB; file type: txt |
| 17.Ravens\_advanced\_progressive\_matrices\_test.zip | Description: Contains description and results of non-verbal intelligence test (Raven’s Advanced Progressive Matrices); file size: 104 KB; file types: csv, txt |
| 18.Picture\_naming\_test.zip | Description: Contains description and results of self-developed word production test (picture naming); file size: 3.69 GB; file types: txt, R script, wav |
| 19.Rapid\_automatized\_naming.zip | Description: Contains description and results of self-developed word production test (rapid automatized naming); file size: 2.62 GB; file types: txt, R script, wav |
| 20.Antonym\_production.zip | Description: Contains description and results of self-developed word production test (antonym production); file size: 1.01 GB; file types: csv, txt, wav |
| 21.Verbal\_fluency.zip | Description: Contains description and results of self-developed word production test (verbal fluency); file size: 3.31 GB; file types: csv, txt, wav |
| 22.Maximal\_speech\_rate.zip | Description: Contains description and results of self-developed word production test (maximal speech rate); file size: 0.17 GB; file types: csv, txt, R script, wav |
| 23.One\_minute\_test.zip | Description: Contains description and results of word production test (one-minute test); file size: 1.61 GB; file types: csv, txt, wav |
| 24.Klepel\_test.zip | Description: Contains description and results of word production test (Klepel); file size: 3.16 GB; file types: csv, txt, wav |
| 25.Monitoring\_in\_noise\_in\_lists.zip | Description: Contains description and results of self-developed word comprehension test (word monitoring in lists in noise); file size: 1.39 MB; file type: txt |
| 26.Rhyme\_judgment.zip | Description: Contains description and results of self-developed word comprehension test (rhyme judgment); file size: 348 KB; file type: txt, R script |
| 27.Auditory\_lexical\_decision.zip | Description: Contains description and results of self-developed word comprehension test (auditory lexical decision); file size: 589 KB; file type: txt, R script |
| 28.Semantic\_categorization.zip | Description: Contains description and results of self-developed word comprehension test (semantic categorization); file size: 438 KB; file type: txt, R script |
| 29.Phrase\_generation.zip | Description: Contains description and results of self-developed phrase production test (phrase generation); file size: 3.18 GB; file type: txt, R script, wav |
| 29.Sentence\_generation.zip | Description: Contains description and results of self-developed sentence production test (sentence generation); file size: 2.97 GB; file type: txt, csv, wav |
| 30.Spontaneous\_speech.zip | Description: Contains description and results of self-developed sentence production test (spontaneous speech); file size: 2.74 GB; file type: txt, wav |
| 31.Gender\_cue\_activation\_during\_sentence\_comprehension.zip | Description: Contains description and results of self-developed sentence comprehension test (gender cue activation); file size: 1.3 MB; file type: txt, R script |
| 32.Verb\_semantics\_activation\_during\_sentence\_comprehension.zip | Description: Contains description and results of self-developed sentence comprehension test (verb semantics activation); file size: 867 KB; file type: txt, R script |
| 33.Monitoring\_in\_noise\_in\_sentences.zip | Description: Contains description and results of self-developed sentence comprehension test (word monitoring in sentences in noise); file size: 1.69 MB; file type: txt |
| Supplementary\_Information.pdf | Description: Contains demographic background questionnaire, well-being questions, and materials used in all tests (words, sentences, pictures); file size: 7.16 MB; file type: pdf |
| Data\_preprocessed.csv | Description: Contains pre-processed data; file size: 41 KB; file type: csv |

**Publication**: Hintz, F., Dijkhuis, M., van ‘t Hoff, V., McQueen, J. .M., Meyer, A.S. (submitted). A behavioural dataset for studying individual differences in language skills. Scientific Data.