Information on all variables in all data files
Column names, variable types and a description of their meaning

“d.csv” – Production experiments with patient data

column	*variable type*	description
filename	*character*	complete filename
Subj	*character*	four upper case letters for group (lesion site) and two digits (ascending numbering)
group	*factor*	participant lesion site, four upper case letters
exp	*factor*	name of the experimental task
rep	*character*	each stimulus is repeated, refers to state of repetition, first appearance = r1, repetition = r2
trial	*character*	number of trials during testing, t for trial plus two digits, format 01-24
condition	*factor*	abbreviation of the condition
f0_range1	*numerical*	f0-movement (rise in semitones (st), slope in st/s) btw annotated L1 / H1 on name1 syllables
f0_range2	*numerical*	f0-movement (rise in semitones (st), slope in st/s) btw annotated L2 / H2 on name2 syllables
s4reln1	*numerical*	duration of segment 4 relative to the duration of name1: s4dur/n1dur
s8reln2	*numerical*	duration of segment 8 relative to the duration of name2: s8dur/n2dur
pause1	*numerical*	duration of pause1 relative to the duration of the whole utterance: p1dur/utt_dur
pause3	*numerical*	duration of pause3 relative to the duration of the whole utterance: p3dur/utt_dur
meanf0	*numerical*	mean f0 for utterance in Hz
list	*factor*	refers to randomization list for trial order that was used, there are two different lists
L1	*numerical*	f0 minimum in name1 in Hertz, measured at a manually labelled position
L1t	*numerical*	time of f0 minimum in name1 in ms
H1	*numerical*	f0 maximum in name1 in Hertz, measured at a manually labelled position
H1t	*numerical*	time of f0 maximum in name1 in ms

f0n1	*factor*	rising, falling or flat f0 movement depending on position and semitone difference value of f0 min and max | H1t < L1t & < -1.5 st → fall; H1t > L1t & > +1.5st → rise; -1.5st< flat >+1.5st
slopen1	*numerical*	slope of the f0-movement: rise1 / distance between L1t and H1t (in seconds)
L2	*numerical*	f0 minimum in name2 in Hertz, measured at a manually labelled position
L2t	*numerical*	time of f0 minimum in name2 in ms
H2	*numerical*	f0 maximum in name2 in Hertz, measured at a manually labelled position
H2t	*numerical*	time of f0 maximum in name2 in ms
f0n2	*factor*	rising, falling or flat f0 movement depending on position and semitone difference value of f0 min and max | H2t < L2t & < -1.5 st → fall; H2t > L2t & > +1.5st → rise; -1.5st< flat >+1.5st
slopen2	*numerical*	slope of the f0-movement: rise2 / distance between L2t and H2t (in seconds)
s4dur	*numerical*	duration (ms) of segment 4, i.e. the fourth segment of name1
s8dur	*numerical*	duration (ms) of segment 8, i.e. the fourth segment of name2
p1dur	*numerical*	duration (ms) of pause1, i.e. the pause (if any) preceding und1
p2dur	*numerical*	duration (ms) of pause2, i.e. the pause (if any) following und1
p3dur	*numerical*	duration (ms) of pause3, i.e. the pause (if any) preceding und2
p4dur	*numerical*	duration (ms) of pause4, i.e. the pause (if any) following und2
fp0dur	*numerical*	duration (ms) of filled pause0, i.e. the filled pause (if any) preceding name1
fp1dur	*numerical*	duration (ms) of filled pause1, i.e. the filled pause (if any) preceding und1
fp2dur	*numerical*	duration (ms) of filled pause2, i.e. the filled pause (if any) following und1
fp3dur	*numerical*	duration (ms) of filled pause3, i.e. the filled pause (if any) preceding und2
fp4dur	*numerical*	duration (ms) of filled pause4, i.e. the filled pause (if any) following und2
c1dur	*numerical*	duration (ms) of und1
c2dur	*numerical*	duration (ms) of und2
utt_dur(ms)	*numerical*	duration (ms) of all segments summarized
filename	*character*	file title including info on Subj, exp, list, trial, rep, first name,

		condition
rating_match	*numerical*	amount of ratings from 11 that match with intended produced condition
item	*character*	item title – all unique items to include as random effects
pause2	*numerical*	duration of pause2 relative to the duration of the whole utterance: p2dur/utt_dur
pause4	*numerical*	duration of pause4 relative to the duration of the whole utterance: p4dur/utt_dur
accuracy	*factor*	dependent on: rating_match = 0 or 9 → accuracy = incorrect, rating_match = 10 or 11 → accuracy = correct
rate	*numerical*	accuracy as integer, accuracy = incorrect → rate = 0, accuracy = correct → rate = 1

“comp.csv” – Comprehension experiment with patient data and control group

column	***variable type***	**description**
Subj	*character*	four upper case letters for patient group (lesion site), two upper case letters for controls - and two digits (ascending numbering)
random_list	*factor*	four different lists used for randomization, differed target pic order + order of presented stimuli
group	*factor*	participant lesion site, four upper case letters; controls, two upper case letters
nr_list1	*numerical*	item / stimuli sequence order, for randomization, once ascending, once descending
nr_list2	*numerical*	item / stimuli sequence order, for randomization, once ascending, once descending
item	*character*	name of item / stimulus heard
condition	*factor*	abbreviation of the condition
manip	*factor*	different manipulation levels, five levels for grouped condition, two levels for ungrouped condition
cond_manip	*factor*	compound from condition and manip to avoid ambiguity
accuracy	*numerical*	response accuracy, correct = 1, incorrect = 0

“workMem.csv” – working memory test battery results for patients and control group

column	*variable type*	description
Subj	*character*	four upper case letters for patient group (lesion site), two upper case letters for controls - and two digits (ascending numbering), character
DigitFwd_raw	*numerical*	raw value for digit span forward task (from WAIS-IV)
DigitFwd_PR	*numerical*	corresponding percentile rank for digit span forward raw value
DigitBwd_raw	*numerical*	raw value for digit span backward task (from WAIS-IV)
DigitBwd_PR	*numerical*	corresponding percentile rank for digit span backward raw value
compDigit	*numerical*	composite score: (DigitFwd_PR+ DigitBwd_PR) / 2