

**Supplemental Table S3.** Summary of data by task split by group (test and retest are averaged).

"Missing" variables are those that could not be calculated due to one of the test or retest variables being not present (e.g., noun/verb ratio, whereas you cannot divide by 0).

Proxy	Task	Cat Rescue		Cinderella		Sandwich		Refused Umbrella		Broken Window	
	Metric /Group	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia
Lexical and informativeness	<b>% CIU</b>										
	Mean ( <i>SD</i> )	0.827 (0.103)	0.650 (0.200)	0.844 (0.0444)	0.578 (0.241)	0.805 (0.0775)	0.599 (0.210)	0.852 (0.115)	0.671 (0.218)	0.739 (0.186)	0.595 (0.213)
	Median [Min, Max]	0.850 [0.449, 0.925]	0.733 [0.285, 0.888]	0.853 [0.723, 0.922]	0.665 [0.0250, 0.843]	0.823 [0.584, 0.903]	0.664 [0.163, 0.938]	0.876 [0.340, 0.925]	0.777 [0.125, 0.882]	0.812 [0.164, 0.924]	0.659 [0.0967, 0.886]
	<b>PI density</b>										
	Mean ( <i>SD</i> )	0.473 (0.0311)	0.417 (0.0702)	0.498 (0.0162)	0.441 (0.115)	0.458 (0.0227)	0.411 (0.0837)	0.508 (0.0366)	0.441 (0.128)	0.508 (0.0300)	0.422 (0.0969)
	Median [Min, Max]	0.471 [0.403, 0.530]	0.436 [0.237, 0.492]	0.494 [0.470, 0.542]	0.484 [0.140, 0.542]	0.457 [0.405, 0.504]	0.435 [0.170, 0.545]	0.509 [0.418, 0.581]	0.486 [0.0715, 0.560]	0.511 [0.448, 0.574]	0.452 [0.207, 0.570]
	<b>TTR</b>										
	Mean ( <i>SD</i> )	0.485 (0.0712)	0.525 (0.123)	0.342 (0.0697)	0.399 (0.133)	0.430 (0.0799)	0.520 (0.129)	0.515 (0.0846)	0.530 (0.114)	0.589 (0.0766)	0.589 (0.133)
	Median [Min, Max]	0.469 [0.388, 0.634]	0.503 [0.335, 0.854]	0.347 [0.239, 0.497]	0.378 [0.230, 0.692]	0.423 [0.277, 0.579]	0.515 [0.323, 0.812]	0.514 [0.357, 0.671]	0.523 [0.312, 0.841]	0.576 [0.476, 0.747]	0.614 [0.319, 0.818]
	<b>Tokens</b>										
	Mean ( <i>SD</i> )	159 (68.7)	95.6 (68.4)	584 (280)	325 (253)	144 (69.6)	69.9 (51.8)	127 (54.7)	85.5 (61.3)	98.1 (42.1)	73.8 (65.0)
	Median [Min, Max]	156 [64.0, 323]	80.5 [10.0, 313]	511 [214, 1320]	265 [15.0, 917]	134 [47.5, 323]	47.5 [15.0, 226]	110 [60.0, 274]	80.5 [8.00, 270]	91.5 [45.5, 190]	54.5 [16.0, 309]

Proxy	Task	Cat Rescue		Cinderella		Sandwich		Refused Umbrella		Broken Window	
	Metric /Group	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia
Fluency / efficiency	<b>CIUs/Min</b>										
	Mean ( <i>SD</i> )	128 (32.6)	59.6 (37.4)	113 (19.3)	46.0 (30.2)	132 (21.7)	58.0 (42.2)	140 (34.9)	64.7 (39.4)	107 (36.1)	53.2 (35.8)
	Median [Min, Max]	134 [66.5, 187]	61.9 [3.38, 124]	112 [67.1, 148]	39.8 [0.536, 115]	130 [88.5, 174]	63.4 [1.86, 177]	138 [57.3, 203]	67.9 [1.88, 148]	113 [22.7, 180]	52.6 [1.30, 133]
	<b>Speaking Secs</b>										
	Mean ( <i>SD</i> )	66.0 (33.2)	78.6 (35.5)	272 (130)	303 (166)	55.7 (28.3)	63.8 (41.1)	49.0 (21.2)	69.2 (39.1)	43.2 (20.0)	66.0 (41.0)
	Median [Min, Max]	56.3 [26.5, 151]	70.5 [21.0, 163]	226 [86.0, 653]	275 [70.5, 639]	48.3 [20.5, 127]	52.0 [13.5, 175]	41.0 [22.5, 99.5]	61.0 [21.0, 171]	38.5 [20.5, 91.0]	53.0 [19.5, 195]
	<b>WPM</b>										
	Mean ( <i>SD</i> )	151 (29.5)	75.8 (39.4)	131 (20.2)	61.7 (34.0)	158 (24.8)	77.8 (46.0)	161 (32.9)	79.3 (41.1)	141 (28.4)	72.3 (36.2)
	Median [Min, Max]	153 [79.0, 214]	76.9 [11.6, 148]	133 [95.2, 160]	62.2 [8.81, 145]	159 [103, 200]	75.8 [12.7, 213]	159 [64.7, 220]	84.3 [12.3, 169]	140 [71.8, 217]	72.1 [12.2, 143]
Syntactic	<b>MLU</b>										
	Mean ( <i>SD</i> )	11.4 (2.75)	7.89 (3.39)	10.9 (1.74)	8.06 (3.47)	10.7 (2.31)	7.21 (3.16)	8.49 (1.45)	6.66 (2.47)	11.4 (1.93)	7.67 (3.26)
	Median [Min, Max]	10.3 [8.10, 18.8]	8.67 [2.00, 16.1]	10.6 [7.56, 14.4]	9.28 [1.25, 13.4]	11.0 [4.54, 15.0]	7.33 [1.70, 13.5]	8.42 [6.00, 11.2]	7.60 [2.27, 9.89]	11.4 [8.00, 16.3]	8.12 [2.27, 14.8]
	<b>Noun/verb</b>										
	Mean ( <i>SD</i> )	1.07 (0.220)	1.33 (0.839)	1.07 (0.163)	1.16 (0.693)	1.73 (0.425)	2.35 (1.69)	0.670 (0.121)	0.820 (0.513)	1.18 (0.271)	1.33 (1.09)
	Median [Min, Max]	1.03 [0.732, 1.52]	1.14 [0.327, 4.25]	1.05 [0.792, 1.41]	1.05 [0.357, 3.02]	1.62 [1.01, 2.53]	1.84 [0.750, 6.40]	0.658 [0.443, 0.914]	0.694 [0.228, 2.30]	1.10 [0.804, 1.79]	1.07 [0, 4.88]

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	Metric /Group	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia	NBD	Aphasia
	Missing	0 (0%)	0 (0%)	0 (0%)	1 (4.3%)	0 (0%)	1 (4.3%)	0 (0%)	2 (8.7%)	0 (0%)	1 (4.3%)
	<b>Open/ closed</b>										
	Mean ( <i>SD</i> )	0.981 (0.0808)	1.02 (0.380)	0.919 (0.0457)	0.940 (0.255)	0.925 (0.120)	1.10 (0.590)	1.01 (0.170)	0.945 (0.372)	1.06 (0.176)	0.972 (0.293)
	Median [Min, Max]	0.971 [0.801, 1.15]	0.885 [0.590, 2.08]	0.917 [0.855, 1.03]	0.862 [0.717, 1.75]	0.908 [0.747, 1.26]	0.919 [0.566, 3.15]	0.973 [0.812, 1.58]	0.827 [0.500, 2.21]	1.03 [0.870, 1.66]	0.920 [0.565, 1.98]
	Missing	0 (0%)	1 (4.3%)	0 (0%)	1 (4.3%)	0 (0%)	0 (0%)	0 (0%)	1 (4.3%)	0 (0%)	0 (0%)
	<b>WPM</b>										
	Mean ( <i>SD</i> )	151 (29.5)	75.8 (39.4)	131 (20.2)	61.7 (34.0)	158 (24.8)	77.8 (46.0)	161 (32.9)	79.3 (41.1)	141 (28.4)	72.3 (36.2)
	Median [Min, Max]	153 [79.0, 214]	76.9 [11.6, 148]	133 [95.2, 160]	62.2 [8.81, 145]	159 [103, 200]	75.8 [12.7, 213]	159 [64.7, 220]	84.3 [12.3, 169]	140 [71.8, 217]	72.1 [12.2, 143]

NBD = Without brain damage group; WPM = words per minute; MLU = mean length of utterance in words; Speaking Secs = speaking seconds; CIUs/Min = correct information units per minute; % CIU = proportion of correct information units; Noun / verb = noun/verb ratio; Open/closed = Open/closed class word ratio.