

## Interpretation of the file “BD\_WM\_Battery”

1 – The file “BD\_WM\_Battery” contains all data collected with the WM battery in an easily interpretable format that is ready for data analysis (in platforms like R or SPSS). This file contains several sheets.

2 – The first sheets are named after the WM tasks that were administered (e.g., Operation Span). Each sheet contains important information regarding the corresponding WM task (e.g., accuracy, RT, stimuli displayed, type of condition). A detailed description of the data stored in relevant columns is presented in the homonym notepad placed inside the folder “interpret\_loggers”.

3 – The file “BD\_WM\_Battery” also includes two sheets called “Raw Scores” and “Normalized Scores”. The sheet “Raw Scores” stores the accuracy score of the participants in every WM task that was administered. The sheet “Normalized Scores” contains the normalized scores of the WM tasks. These scores were normalized through the min-max method. That is, this sheet contains the score of the participants in each WM task on a scale ranging from 0.00 to 1.00.

4 – The last two sheets contain some descriptive statistics (mean, standard deviation, minimum, maximum, and quartiles) of the scores of the participants in the WM tasks and some socio-demographic variables.

subject_nr	age	gender	nationality	attend	Unlab	Studen	NonStud	Disease	Disease2	CB_ref	ref	proc	practice	rialNum	correct1	correct2	correct3	lect_respo	lect_respo2	lect_respo3	digit1	digit2	digit3	height	weight
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	yes		1	0	0	0	3	5	4	4	2	8	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	yes		2	1	0	1	6	3	4	5	4	3	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	yes		2	1	0	1	6	3	4	5	4	3	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		1	1	1	1	1	6	6	9	4	5	768	3
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		2	1	0	1	8	5	1	4	7	8	768	2
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		3	1	1	1	8	3	6	5	9	7	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		4	1	0	1	5	6	8	7	5	9	768	3
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		5	1	1	1	8	7	1	9	6	4	768	3
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		6	1	1	1	5	5	3	2	6	4	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		7	1	0	1	4	5	7	5	8	2	768	2
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		8	1	1	1	4	9	1	6	5	8	768	2
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		9	1	0	1	9	6	8	7	4	8	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		10	1	1	1	4	2	8	9	4	1	768	2
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		11	1	1	1	3	2	2	4	2	3	768	1
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		12	0	1	1	6	5	9	9	6	5	768	2
1	30	Male	PT	Yes	PhD	no	No			0,166667	0,5	no		12	0	1	1	6	5	9	9	6	5	768	2
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	yes		1	0	1	0	3	5	4	4	2	8	768	1
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	yes		2	0	0	1	6	3	4	5	4	3	768	1
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	yes		2	0	0	1	6	3	4	5	4	3	768	1
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		1	0	1	0	8	5	1	4	7	8	768	2
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		2	0	0	0	4	5	7	5	8	2	768	2
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		3	1	0	0	6	5	9	9	6	5	768	2
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		4	0	0	0	4	9	1	6	5	8	768	2
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		5	0	0	0	5	5	3	3	2	6	768	1
2	30	Male	PT	Yes	PhD	no	No			0,333333	0	no		6	0	0	1	8	3	6	5	9	7	768	1