

## List of Variables

Data from all three time points can be found in the SPSS file ***T1\_T2\_T3\_Data\_Graz.sav*** – please see Tables 1 and 2 for the type of data available for each task in this file (Table 1 for group tasks and Table 2 for individually administered tasks).

Furthermore, item level data is available for a number of the tasks administered. Transcoding data for Time 1 and 2 can be found in the Excel spreadsheet ***T1\_T2\_Transcoding\_Graz.xlsx*** – please see Table 3 for the type of data available in this file. Data for the math outcome measures at Time 3 is available separately in ***T3\_Math\_outcome\_measures\_Graz.xlsx*** and information on the item-level data available can be found in Table 4.

Time 2 and 3 Number Matching as well as adult Number Matching data can be found in the Excel spreadsheet ***Number\_Matching\_Graz.xlsx***.

Labels for each variable can be found in the Excel file ***DataDictionary\_GRAZ.xlsx***.

Table 1: Group administered tasks, data available in SPSS file T1\_T2\_T3\_Data\_Graz. The number shown in brackets after each task is the variable number at which each task starts in the SPSS file variable view.

Time 1 (Spring 2017)	Time 2 (Spring 2018)	Time 3 (Spring 2019)
<u>Magnitude comparison (7)</u> - Total Correct, Total Incorrect, Total Multiple, Total Omissions for each Exercise (&Practice)	<u>Magnitude comparison (87)</u> - Total Correct, Total Incorrect, Total Multiple, Total Omissions for each Exercise (&Practice)	<u>Magnitude comparison (165)</u> - Total Correct, Total Incorrect, Total Multiple, Total Omissions for each Exercise (&Practice)
<u>Number writing (43)</u> - Total Correct, Total Error, Total Omissions	<u>Number writing (127)</u> - Total Correct, Total Error, Total Omissions	
<u>Numerical Operations (46)</u> - Total score - Total CORE score	<u>Numerical Operations (130)</u> - Total score - Total CORE score	<u>Numerical operations (201)</u> - Total score (=core score)
<u>One-minute addition</u> <u>One-minute subtraction (48)</u> - Total correct for each subtest	<u>One-minute addition</u> <u>One-minute addition extra-task</u> <u>One-minute subtraction</u> <u>One-minute subtraction extra-task (132)</u>	<u>One-minute addition</u> <u>One-minute addition extra-task</u> <u>One-minute subtraction</u> <u>One-minute subtraction extra-task (202)</u>

	- Total correct for each subtest	- Total correct for each subtest
		<u>One-minute multiplication (206)</u> <u>One-minute division</u> - Total correct for each subtest
<u>Raven's Matrices (50)</u> - Total raw score		
<u>Number identification (51)</u> - Total correct	<u>Number identification (136)</u> - Total correct	
<u>Ordinality dots &amp; Ordinality digits (52)</u> - Total practice score, total correct response, total omission, total incorrect response, total multiple response, total processed items, proportion correct	<u>Ordinality dots &amp; Ordinality digits (137)</u> - Total practice, total correct, total omissions, total incorrect, total multiple responses, total processed items, proportion correct	<u>Ordinality dots &amp; Ordinality digits (208)</u> - Total practice, total correct, total omissions, total incorrect, total multiple responses, total processed items, proportion correct
		<u>Maths reasoning (222)</u> - Total score
		<u>Conversion task (223)</u> - Total score for the entire task

Table 2: Individually administered tasks – data available in SPSS file T1\_T2\_T3\_Data\_Graz. The number shown in brackets after each task is the variable number at which each task starts in the SPSS file variable view.

Time 1 (Spring 2017)	Time 2 (Spring 2018)	Time 3 (Spring 2019)
<u>Digit span forward &amp; Digit span backward (66)</u> - Forward & backward span & total correct		
<u>RAN letters &amp; RAN digits (70)</u> - RAN Letter Total Time and RAN Digit Total Time		
<u>Number reading (72)</u> - Total correct score, total errors, total omissions, number of items not administered	<u>Number reading (151)</u> - Total correct score, total errors, total omissions, number of items not administered	
<u>Corsi blocks forward &amp; Corsi blocks backward (76)</u> - Forward & backward span & total correct		
<u>Timed counting (80)</u> - Max Correct, Time taken correct, numbers per second		
<u>Phonological awareness (83)</u> - Raw total score		
<u>Word and pseudoword reading (84)</u> - SLRTII Word and Pseudoword Reading raw scores	<u>Word and pseudoword reading (155)</u> - SLRTII Word and Pseudoword Reading raw scores	<u>Word and pseudoword reading (224)</u> - SLRTII Word and Pseudoword Reading raw scores
	<u>Go / No-Go task (157)</u>	

	<ul style="list-style-type: none"> <li>- Go No Go Expected N Part 2 Go, Go No Go Expected N Part 2 NoGo, Go No Go Accuracy Part 2 Go, Go No Go Accuracy Part 2 NoGo, Go No Go Expected N Part 1 Go only, Go No Go Median RT Part 1 Go only, Go No Go Median RT Part 2 Go only</li> </ul>	
		<u>Conceptual understanding task (226)</u> <ul style="list-style-type: none"> <li>- Computer task accuracy &amp; reaction time for each type, total accuracy</li> <li>- Percentage correct for each type, total percentage correct</li> </ul>

Table 3: Transcoding data gathered at Time 1 and Time 2, available in Excel Spreadsheet T1\_T2\_Transcoding\_Graz.

Time 1 (Spring 2017)	Time 2 (Spring 2018)
<u>Number writing</u> <ul style="list-style-type: none"> <li>- Item level with errors</li> <li>- Total correct score, total error and total omission</li> </ul>	<u>Number writing</u> <ul style="list-style-type: none"> <li>- Item level with errors</li> <li>- Total correct score, total error and total omission</li> </ul>
<u>Number identification</u> <ul style="list-style-type: none"> <li>- Item level data (a-h) and total correct score</li> </ul>	<u>Number identification</u> <ul style="list-style-type: none"> <li>- Item level data (a-u) and total correct score</li> </ul>
<u>Number reading</u> <ul style="list-style-type: none"> <li>- Item level with errors</li> <li>- Total correct score, total error, total omission and total number of items not administered</li> </ul>	<u>Number reading</u> <ul style="list-style-type: none"> <li>- Item level with errors</li> <li>- Total correct score, total error, total omission and total number of items not administered</li> </ul>

Table 4: Math outcome measures at Time 3, available in Excel Spreadsheet T3\_Math\_outcome\_measures\_Graz.

Time 3 (Spring 2019)
<u>Maths reasoning</u> <ul style="list-style-type: none"> <li>- Item level answer and score, total correct, total correct excluding item 11</li> </ul>
<u>Conversion task</u> <ul style="list-style-type: none"> <li>- Item level answer and score; total correct</li> </ul>
<u>Conceptual understanding task</u> <ul style="list-style-type: none"> <li>- Explanation items 1 and 2 response &amp; correct/incorrect for each type</li> <li>- Total score explanation identical, unrelated, subcomp, commutativity, inverse, total explanation score</li> <li>- Raw data for the computer task</li> </ul>