Metadata for ‘The Developmental Influence of Primary Memory...’

Each stage of the analysis presented in the paper has a separate .csv file. Each file has the following variables in common:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Unique participant number</td>
</tr>
<tr>
<td>Age</td>
<td>Age in months at time of testing</td>
</tr>
<tr>
<td>Year</td>
<td>School year group</td>
</tr>
<tr>
<td>School</td>
<td>School identifier</td>
</tr>
<tr>
<td>Gender</td>
<td>Male = 1, Female = 0</td>
</tr>
<tr>
<td>Missing_Data</td>
<td>Identifier for missing data. 1 = missing</td>
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</tbody>
</table>

1: Free_recall_probability_data – this file is used to calculate serial position curves and probability of recall for any item in the free recall task. The variable names are as follows:

LL2:1 Probability of recall; List length 2, serial position 1
LL2:2 Probability of recall; List length 2, serial position 2
LL3:1 Probability of recall; List length 3, serial position 1
LL3:2 Probability of recall; List length 3, serial position 2
LL3:3 Probability of recall; List length 3, serial position 3
LL4:1 Probability of recall; List length 4, serial position 1
LL4:2 Probability of recall; List length 4, serial position 2
LL4:3 Probability of recall; List length 4, serial position 3
LL4:4 Probability of recall; List length 4, serial position 4
LL5:1 Probability of recall; List length 5, serial position 1
LL5:2 Probability of recall; List length 5, serial position 2
LL5:3 Probability of recall; List length 5, serial position 3
LL5:4 Probability of recall; List length 5, serial position 4
LL5:5 Probability of recall; List length 5, serial position 5
LL6:1 Probability of recall; List length 6, serial position 1
LL6:2 Probability of recall; List length 6, serial position 2
LL6:3 Probability of recall; List length 6, serial position 3
LL6:4 Probability of recall; List length 6, serial position 4
LL6:5 Probability of recall; List length 6, serial position 5
LL6:6 Probability of recall; List length 6, serial position 6
LL7:1 Probability of recall; List length 7, serial position 1
LL7:2 Probability of recall; List length 7, serial position 2
LL7:3 Probability of recall; List length 7, serial position 3
LL7:4 Probability of recall; List length 7, serial position 4
LL7:5 Probability of recall; List length 7, serial position 5
LL7:6 Probability of recall; List length 7, serial position 6
LL7:7 Probability of recall; List length 7, serial position 7
LL8:1 Probability of recall; List length 8, serial position 1
LL8:2 Probability of recall; List length 8, serial position 2
LL8:3 Probability of recall; List length 8, serial position 3
LL8:4 Probability of recall; List length 8, serial position 4
2: Free_recall_p1st_data - used to calculate the probability of 1st recall of any item in the free recall task.

LL2:1   Probability of recalling item 1st; List length 2, serial position 1
LL2:2   Probability of recalling item 1st; List length 2, serial position 2
LL3:1   Probability of recalling item 1st; List length 3, serial position 1
LL3:2   Probability of recalling item 1st; List length 3, serial position 2
LL3:3   Probability of recalling item 1st; List length 3, serial position 3
LL4:1   Probability of recalling item 1st; List length 4, serial position 1
LL4:2   Probability of recalling item 1st; List length 4, serial position 2
LL4:3   Probability of recalling item 1st; List length 4, serial position 3
LL4:4   Probability of recalling item 1st; List length 4, serial position 4
LL5:1   Probability of recalling item 1st; List length 5, serial position 1
LL5:2   Probability of recalling item 1st; List length 5, serial position 2
LL5:3   Probability of recalling item 1st; List length 5, serial position 3
LL5:4   Probability of recalling item 1st; List length 5, serial position 4
LL5:5   Probability of recalling item 1st; List length 5, serial position 5
LL6:1   Probability of recalling item 1st; List length 6, serial position 1
LL6:2   Probability of recalling item 1st; List length 6, serial position 2
LL6:3   Probability of recalling item 1st; List length 6, serial position 3
LL6:4   Probability of recalling item 1st; List length 6, serial position 4
LL6:5   Probability of recalling item 1st; List length 6, serial position 5
LL6:6   Probability of recalling item 1st; List length 6, serial position 6
LL7:1   Probability of recalling item 1st; List length 7, serial position 1
LL7:2   Probability of recalling item 1st; List length 7, serial position 2
LL7:3   Probability of recalling item 1st; List length 7, serial position 3
LL7:4   Probability of recalling item 1st; List length 7, serial position 4
LL7:5   Probability of recalling item 1st; List length 7, serial position 5
LL7:6   Probability of recalling item 1st; List length 7, serial position 6
LL7:7   Probability of recalling item 1st; List length 7, serial position 7
LL8:1   Probability of recalling item 1st; List length 8, serial position 1
LL8:2   Probability of recalling item 1st; List length 8, serial position 2
LL8:3   Probability of recalling item 1st; List length 8, serial position 3
LL8:4   Probability of recalling item 1st; List length 8, serial position 4
LL8:5   Probability of recalling item 1st; List length 8, serial position 5
LL8:6   Probability of recalling item 1st; List length 8, serial position 6
LL8:7   Probability of recalling item 1st; List length 8, serial position 7
LL8:8   Probability of recalling item 1st; List length 8, serial position 8
3: Interleaved_lists_probability_data – used to calculate serial position curves and probability of recall for any item in the interleaved lists task.

- **A:LL3:1** Probability of recall: Focal item, list length 3, item 1
- **A:LL3:2** Probability of recall: Focal item, list length 3, item 2
- **A:LL4:1** Probability of recall: Focal item, list length 4, item 1
- **A:LL4:2** Probability of recall: Focal item, list length 4, item 2
- **A:LL5:1** Probability of recall: Focal item, list length 5, item 1
- **A:LL5:2** Probability of recall: Focal item, list length 5, item 2
- **A:LL6:1** Probability of recall: Focal item, list length 6, item 1
- **A:LL6:2** Probability of recall: Focal item, list length 6, item 2
- **A:LL6:3** Probability of recall: Focal item, list length 6, item 3

- **U:LL3:1** Probability of recall: Non-focal item, list length 3, item 1
- **U:LL4:1** Probability of recall: Non-focal item, list length 4, item 1
- **U:LL4:2** Probability of recall: Non-focal item, list length 4, item 2
- **U:LL5:1** Probability of recall: Non-focal item, list length 5, item 1
- **U:LL5:2** Probability of recall: Non-focal item, list length 5, item 2
- **U:LL6:1** Probability of recall: Non-focal item, list length 6, item 1
- **U:LL6:2** Probability of recall: Non-focal item, list length 6, item 2
- **U:LL6:3** Probability of recall: Non-focal item, list length 6, item 3

4: Interleaved_lists_p1st_data - used to calculate probability of 1st recall for any item in the interleaved lists task.

- **A:LL3:1** Probability of recalling item 1st, focal item, list length 3, item 1
- **A:LL3:2** Probability of recalling item 1st, focal item, list length 3, item 2
- **A:LL4:1** Probability of recalling item 1st, focal item, list length 4, item 1
- **A:LL4:2** Probability of recalling item 1st, focal item, list length 4, item 2
- **A:LL5:1** Probability of recalling item 1st, focal item, list length 5, item 1
- **A:LL5:2** Probability of recalling item 1st, focal item, list length 5, item 2
- **A:LL6:1** Probability of recalling item 1st, focal item, list length 6, item 1
- **A:LL6:2** Probability of recalling item 1st, focal item, list length 6, item 2
- **A:LL6:3** Probability of recalling item 1st, focal item, list length 6, item 3

- **U:LL3:1** Probability of recalling item 1st, non-focal item, list length 3, item 1
- **U:LL4:1** Probability of recalling item 1st, non-focal item, list length 4, item 1
- **U:LL4:2** Probability of recalling item 1st, non-focal item, list length 4, item 2
- **U:LL5:1** Probability of recalling item 1st, non-focal item, list length 5, item 1
- **U:LL5:2** Probability of recalling item 1st, non-focal item, list length 5, item 2
- **U:LL6:1** Probability of recalling item 1st, non-focal item, list length 6, item 1
- **U:LL6:2** Probability of recalling item 1st, non-focal item, list length 6, item 2
- **U:LL6:3** Probability of recalling item 1st, non-focal item, list length 6, item 3
5: Split_span_probability_data - used to calculate serial position curves and probability of recall for any item in the split span task.

1-5:C1:1 Probability of recall; Probed first, Set A, list length 1, item 1
1-5:D2:1 Probability of recall; Probed second, Set B, list length 5, item 1
1-5:D2:2 Probability of recall; Probed second, Set B, list length 5, item 2
1-5:D2:3 Probability of recall; Probed second, Set B, list length 5, item 3
1-5:D2:4 Probability of recall; Probed second, Set B, list length 5, item 4
1-5:D2:5 Probability of recall; Probed second, Set B, list length 5, item 5
1-5:C2:1 Probability of recall; Probed second, Set A, list length 1, item 1
1-5:D1:1 Probability of recall; Probed first, Set B, list length 5, item 1
1-5:D1:2 Probability of recall; Probed first, Set B, list length 5, item 2
1-5:D1:3 Probability of recall; Probed first, Set B, list length 5, item 3
1-5:D1:4 Probability of recall; Probed first, Set B, list length 5, item 4
1-5:D1:5 Probability of recall; Probed first, Set B, list length 5, item 5
2-4:C1:1 Probability of recall; Probed first, Set A, list length 2, item 1
2-4:C1:2 Probability of recall; Probed first, Set A, list length 2, item 2
2-4:D2:1 Probability of recall; Probed second, Set B, list length 4, item 1
2-4:D2:2 Probability of recall; Probed second, Set B, list length 4, item 2
2-4:D2:3 Probability of recall; Probed second, Set B, list length 4, item 3
2-4:D2:4 Probability of recall; Probed second, Set B, list length 4, item 4
2-4:C2:1 Probability of recall; Probed second, Set A, list length 2, item 1
2-4:C2:2 Probability of recall; Probed second, Set A, list length 2, item 2
2-4:D1:1 Probability of recall; Probed first, Set B, list length 4, item 1
2-4:D1:2 Probability of recall; Probed first, Set B, list length 4, item 2
2-4:D1:3 Probability of recall; Probed first, Set B, list length 4, item 3
2-4:D1:4 Probability of recall; Probed first, Set B, list length 4, item 4
3-3:C1:1 Probability of recall; Probed first, Set A, list length 3, item 1
3-3:C1:2 Probability of recall; Probed first, Set A, list length 3, item 2
3-3:C1:3 Probability of recall; Probed first, Set A, list length 3, item 3
3-3:D2:1 Probability of recall; Probed second, Set B, list length 3, item 1
3-3:D2:2 Probability of recall; Probed second, Set B, list length 3, item 2
3-3:D2:3 Probability of recall; Probed second, Set B, list length 3, item 3
3-3:C2:1 Probability of recall; Probed second, Set A, list length 3, item 1
3-3:C2:2 Probability of recall; Probed second, Set A, list length 3, item 2
3-3:C2:3 Probability of recall; Probed second, Set A, list length 3, item 3
3-3:D1:1 Probability of recall; Probed first, Set B, list length 3, item 1
3-3:D1:2 Probability of recall; Probed first, Set B, list length 3, item 2
3-3:D1:3 Probability of recall; Probed first, Set B, list length 3, item 3
4-2:C1:1 Probability of recall; Probed first, Set A, list length 4, item 1
4-2:C1:2 Probability of recall; Probed first, Set A, list length 4, item 2
4-2:C1:3 Probability of recall; Probed first, Set A, list length 4, item 3
4-2:C1:4 Probability of recall; Probed first, Set A, list length 4, item 4
4-2:D2:1 Probability of recall; Probed second, Set B, list length 2, item 1
4-2:D2:2 Probability of recall; Probed second, Set B, list length 2, item 2
4-2:C2:1 Probability of recall; Probed second, Set A, list length 4, item 1
<table>
<thead>
<tr>
<th>Split_span_p1st_data</th>
<th>Probability of recalling item first; Probed first, Set A, list length 1, item 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-2:C2:2</td>
<td>Probability of recalling item first; Probed first, Set A, list length 4, item 2</td>
</tr>
<tr>
<td>4-2:C2:3</td>
<td>Probability of recalling item first; Probed first, Set A, list length 4, item 3</td>
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<td>5-1:C2:1</td>
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<td>5-1:C2:3</td>
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<td>5-1:C2:4</td>
<td>Probability of recalling item first; Probed second, Set A, list length 5, item 4</td>
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<td>5-1:C2:5</td>
<td>Probability of recalling item first; Probed second, Set A, list length 5, item 5</td>
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<tr>
<td>5-1:D1:1</td>
<td>Probability of recalling item first; Probed second, Set B, list length 1, item 1</td>
</tr>
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</table>

6: Split_span_p1st_data - used to calculate probability of 1\(^{st}\) recall for any item in the split span task.

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<th>Split_span_p1st_data</th>
<th>Probability of recalling item first; Probed second, Set A, list length 1, item 1</th>
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<tbody>
<tr>
<td>1-5:C1:1</td>
<td>Probability of recalling item first; Probed first, Set A, list length 1, item 1</td>
</tr>
<tr>
<td>1-5:D2:1</td>
<td>Probability of recalling item first; Probed second, Set B, list length 5, item 1</td>
</tr>
<tr>
<td>1-5:D2:2</td>
<td>Probability of recalling item first; Probed second, Set B, list length 5, item 2</td>
</tr>
<tr>
<td>1-5:D2:3</td>
<td>Probability of recalling item first; Probed second, Set B, list length 5, item 3</td>
</tr>
<tr>
<td>1-5:D2:4</td>
<td>Probability of recalling item first; Probed second, Set B, list length 5, item 4</td>
</tr>
<tr>
<td>1-5:D2:5</td>
<td>Probability of recalling item first; Probed second, Set B, list length 5, item 5</td>
</tr>
<tr>
<td>1-5:D1:1</td>
<td>Probability of recalling item first; Probed first, Set B, list length 5, item 1</td>
</tr>
<tr>
<td>1-5:D1:2</td>
<td>Probability of recalling item first; Probed first, Set B, list length 5, item 2</td>
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<tr>
<td>1-5:D1:3</td>
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</tr>
<tr>
<td>1-5:D1:4</td>
<td>Probability of recalling item first; Probed first, Set B, list length 5, item 4</td>
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<td>1-5:D1:5</td>
<td>Probability of recalling item first; Probed first, Set B, list length 5, item 5</td>
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<td>2-4:C1:1</td>
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<td>2-4:C2:1</td>
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<tr>
<td>2-4:D1:1</td>
<td>Probability of recalling item first; Probed first, Set B, list length 4, item 1</td>
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<tr>
<td>2-4:D1:2</td>
<td>Probability of recalling item first; Probed first, Set B, list length 4, item 2</td>
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<td>2-4:D1:3</td>
<td>Probability of recalling item first; Probed first, Set B, list length 4, item 3</td>
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<td>2-4:D1:4</td>
<td>Probability of recalling item first; Probed first, Set B, list length 4, item 4</td>
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<tr>
<td>2-4:C1:1</td>
<td>Probability of recalling item first; Probed first, Set A, list length 3, item 1</td>
</tr>
<tr>
<td>3-3:C1:2</td>
<td>Probability of recalling item first; Probed first, Set A, list length 3, item 2</td>
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<table>
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<tr>
<th>Split_span_p1st_data</th>
<th>Probability of recalling item first; Probed second, Set A, list length 1, item 1</th>
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<tbody>
<tr>
<td>2-4:C1:1</td>
<td>Probability of recalling item first; Probed first, Set A, list length 2, item 1</td>
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<tr>
<td>2-4:D1:1</td>
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<td>2-4:D1:2</td>
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<td>2-4:D1:4</td>
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<td>3-3:C1:2</td>
<td>Probability of recalling item first; Probed first, Set A, list length 3, item 2</td>
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</table>
3-3:C1:3 Probability of recalling item first; Probed first, Set A, list length 3, item 3
3-3:D1:1 Probability of recalling item first; Probed second, Set B, list length 3, item 1
3-3:D2:2 Probability of recalling item first; Probed second, Set B, list length 3, item 2
3-3:D2:3 Probability of recalling item first; Probed second, Set B, list length 3, item 3
3-3:C2:1 Probability of recalling item first; Probed second, Set A, list length 3, item 1
3-3:C2:2 Probability of recalling item first; Probed second, Set A, list length 3, item 2
3-3:C2:3 Probability of recalling item first; Probed second, Set A, list length 3, item 3
3-3:D1:1 Probability of recalling item first; Probed first, Set B, list length 3, item 1
3-3:D1:2 Probability of recalling item first; Probed first, Set B, list length 3, item 2
3-3:D1:3 Probability of recalling item first; Probed first, Set B, list length 3, item 3
4-2:C1:1 Probability of recalling item first; Probed first, Set A, list length 4, item 1
4-2:C1:2 Probability of recalling item first; Probed first, Set A, list length 4, item 2
4-2:C1:3 Probability of recalling item first; Probed first, Set A, list length 4, item 3
4-2:C1:4 Probability of recalling item first; Probed first, Set A, list length 4, item 4
4-2:D1:1 Probability of recalling item first; Probed first, Set B, list length 2, item 1
4-2:D2:1 Probability of recalling item first; Probed second, Set B, list length 2, item 1
4-2:D2:2 Probability of recalling item first; Probed second, Set B, list length 2, item 2
4-2:C2:1 Probability of recalling item first; Probed second, Set A, list length 4, item 1
4-2:C2:2 Probability of recalling item first; Probed second, Set A, list length 4, item 2
4-2:C2:3 Probability of recalling item first; Probed second, Set A, list length 4, item 3
4-2:C2:4 Probability of recalling item first; Probed second, Set A, list length 4, item 4
4-2:D1:1 Probability of recalling item first; Probed first, Set B, list length 2, item 1
4-2:D1:2 Probability of recalling item first; Probed first, Set B, list length 2, item 2
5-1:C1:1 Probability of recalling item first; Probed first, Set A, list length 5, item 1
5-1:C1:2 Probability of recalling item first; Probed first, Set A, list length 5, item 2
5-1:C1:3 Probability of recalling item first; Probed first, Set A, list length 5, item 3
5-1:C1:4 Probability of recalling item first; Probed first, Set A, list length 5, item 4
5-1:C1:5 Probability of recalling item first; Probed first, Set A, list length 5, item 5
5-1:D2:1 Probability of recalling item first; Probed second, Set B, list length 1, item 1
5-1:D2:2 Probability of recalling item first; Probed second, Set B, list length 1, item 2
5-1:C2:1 Probability of recalling item first; Probed second, Set A, list length 5, item 1
5-1:C2:2 Probability of recalling item first; Probed second, Set A, list length 5, item 2
5-1:C2:3 Probability of recalling item first; Probed second, Set A, list length 5, item 3
5-1:C2:4 Probability of recalling item first; Probed second, Set A, list length 5, item 4
5-1:C2:5 Probability of recalling item first; Probed second, Set A, list length 5, item 5
5-1:D1:1 Probability of recalling item first; Probed first, Set B, list length 1, item 1

7: Individual differences data – used in all correlational and regression analysis.

SS_PCS Simple span partial credit score
CS_PCS Complex span partial credit score
FR_Av Free recall - average number of items recalled from a list
FR_p1st Free recall - probability of recalling the first item first
IL_Av Interleaved Lists - average number of items recalled from a list
IL_p1st Interleaved Lists - probability of recalling the first item first
SpSp_tot Split span - total number of items recalled across Set B lists
SpSp_p1st Split span - probability of recalling the first Set B item first
<table>
<thead>
<tr>
<th>Subject</th>
<th>Total score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>Total reading score</td>
</tr>
<tr>
<td>Maths</td>
<td>Total maths score</td>
</tr>
</tbody>
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