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Here we expect the data to be something similar to the below:

|  |  |  |
| --- | --- | --- |
| **Word Type** | **Distractor** | **Memory measurement (words recall)** |
| Abstract | Mathematics | N |
| Abstract | Mathematics | N |
| Abstract | Mathematics | N |
| Abstract | Poetry | N |
| Abstract | Poetry | N |
| Abstract | Poetry | N |
| Concrete | Mathematics | N |
| Concrete | Mathematics | N |
| Concrete | Mathematics | N |
| Concrete | Poetry | N |
| Concrete | Poetry | N |
| Concrete | Poetry | N |

Code

Abstract – 1, Concrete – 2

Mathematics – 1, Poetry – 2

|  |  |  |
| --- | --- | --- |
| **Word Type** | **Distractor** | **Memory measurement (words recall)** |
| 1 | 1 | N |
| 1 | 1 | N |
| 1 | 1 | N |
| 1 | 2 | N |
| 1 | 2 | N |
| 1 | 2 | N |
| 2 | 1 | N |
| 2 | 1 | N |
| 2 | 1 | N |
| 2 | 2 | N |
| 2 | 2 | N |
| 2 | 2 | N |

data memory\_recall;

input WordType $ Distractor $ Recall;

datalines;

1 1 N

1 1 N

1 1 N

1 2 N

1 2 N

1 2 N

2 1 N

2 1 N

2 1 N

2 2 N

2 2 N

2 2 N;

run;

proc mixed data= memory\_recall method=type3;

class WordType Distractor;

model Recall = WordType Distractor WordType\*Distractor;

store out2way;

run;

Concerns:

* We still have a lot of questions that haven’t been answered
* The data structure and the design of the study is an assumption in its entirety.