**Embedding Working Memory Training within Math Problem Solving**

**(Building Word-Problem Solving and Working Memory Capacity: A Randomized Controlled Trial Comparing Three Intervention Approaches)**

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DATABASE 1: Working Memory Training and Math Students with MD at Pre Post Delayed Post

DATABASE 2: Follow-Along Classmates Working Memory, Math, Demographics at Pre Post

Variables marked with an asterisk (\*) are only in Database 1. The remaining variables are found in both Database 1 and Database 2.

STID Student ID number

\*SCHID School ID number

\*CLASSROOM Classroom ID Number

\*TREAT Student's treatment condition in study

1=Control

2=GWM+P (general WM training with contiguous math practice)

3=WPS+MWM (WPS intervention with math WM training exercises)

4=WPS (WPS intervention [without WM training])

\*AGE Student's age at initial screening

SEX Student's sex

1=Female

2=Male

FRL Does student qualify for free/reduced lunch?

0=No

1 = Yes

ELL Does student receive ELL services?

0=No

1=Yes

RACE What is student's race?

1=African American

3=White

4=Hispanic

5=Other (including bi-racial)

\*SPED Does student have a special ed classification?

0=No

1 = Yes

prOOOPos Pretest Working Memory Visuospatial (AWMA Odd One Out position recall score)

poOOOPos Posttest Working Memory Visuospatial (AWMA Odd One Out position recall score)

prCR Pretest Working Memory Verbal-Numerals (WMTB Counting Recall raw score)

poCR Posttest Working Memory Verbal-Numerals (WMTB Counting Recall raw score)

prLR Pretest Working Memory Verbal-Sentences (WMTB Listening Recall raw score)

poLR Posttest Working Memory Verbal-Sentences (WMTB Listening Recall raw score)

prBF Pretest Mathematics-Arithmetic (Second-Grade Mathematics Assessment Battery - Arithmetic Combinations)

poBF Posttest Mathematics-Arithmetic (Second-Grade Mathematics Assessment Battery - Arithmetic Combinations) total score

\*pdROBOC Delayed Posttest Mathematics-Arithmetic (abbreviated) total score

prVSP Pretest Mathematics-Word Problems (Second Grade Word Problems) total score

poVSP Posttest Mathematics-Word Problems (Second Grade Word Problems) total score

\*pdVSPt1 Delayed Posttest Mathematics-Word Problems (abbreviated) total score

About Latent Working Memory Posttest Factor: *Note that we do not report posttest WM factor scores as part of this shared data file because they are not observed data and are not necessary input to estimate the structural equation model and are not necessary to output after fitting our structural equation model. Only the observed data in this file are needed to fit our structural equation model. Factor scores are conditional on the model specification, the observed variables used to estimate the model, the model estimation method, and the factor score computation method. Regarding factor score computation: unlike for estimating model parameters, there is no unique solution for generating factor scores; there are multiple equally valid methods to compute them, which may provide different values for a given single model (called factor indeterminacy).*