

Supplemental Data for the Re-Revision of PP-Orig-11-104.R1

“Estimating Working Memory Capacity for Lists of Nonverbal Sounds”

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Supplementary Table 1

Two-way ANOVA table for Experiment 1. The dependent variable is accuracy.

Source	Sum of Squares	Degree of Freedom	Mean Square	F	p	partial η^2
Subjects	2.29	26	.088			
Set Size	.45	4	.11	15.39	.000	0.37
Articulation Condition	.050	1	.050	4.54	.043	.15
Set Size * Articulation Condition	.039	4	.0097	1.18	.33	.043
Set Size * Subjects	.76	104	.0073			
Articulation Condition * Subjects	.28	26	.011			
Set Size * Articulation Condition * Subject	.86	104	.0083			
Residual (Total)	1.90	234	.0081			
Total	4.73	269				

Supplementary Table 2

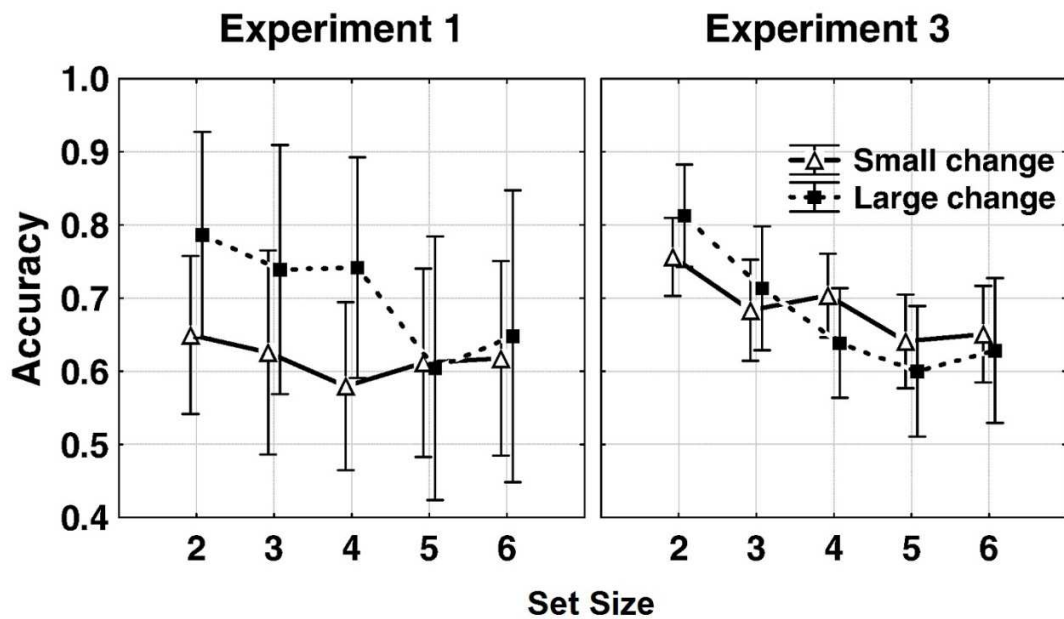
Two-way ANOVA table for Experiment 2. The dependent variable is accuracy.

Source	Sum of Squares	Degree of Freedom	Mean Square	F	p	partial η^2
Subjects	.90	23	.039			
Set Size	.78	4	.19	18.24	.000	.44
Articulation Condition	.13	1	.13	12.74	.001	.36
Set Size * Articulation Condition	.047	4	.012	1.59	.18	.065
Set Size * Subjects	.99	92	.011			
Articulation Condition * Subjects	.23	23	.010			
Set Size * Articulation Condition * Subject	.68	92	.0073			
Residual (Total)	1.90	207	.0092			
Total	3.76	239				

Supplementary Table 3

Two-way ANOVA table for Experiment 3. The dependent variable is accuracy.

Source	Sum of Squares	Degree of Freedom	Mean Square	F	p	partial η^2
Subjects	20.74	108	.19			
Set Size	2.29	4	.57	74.09	.000	.41
Articulation Condition	.22	1	.22	23.69	.000	.18
Set Size * Articulation Condition	.026	4	.0064	.93	.45	.0085
Set Size * Subjects	3.34	432	.0077			
Articulation Condition * Subjects	.99	108	.0092			
Set Size * Articulation Condition * Subject	2.97	432	.0069			
Residual (Total)	7.3	972	.0075			
Total	30.58	1089				



Supplementary Figure 1. Effect of tone change magnitude in Experiments 1 and 3, with different data grouping than in the manuscript. **Left-hand panel**, Experiment 1; **right-hand panel**, Experiment 3. The solid lines with open triangles denote the small tone change magnitude, and the dashed lines with solid squares denote the large tone change magnitude. The small tone change magnitude group includes trials with a frequency difference of 1 to 5 tones apart, and the large tone change magnitude group includes trials with a frequency difference of 7 to 11 tones apart. The error bars represent 95% repeated-measure confidence intervals (Hollands & Jarmasz, 2010). The only significant effect involving experiment group as a factor was a two-way interaction of experiment group by tone change magnitude, $F(1,79)=8.71$, $\eta_p^2=.10$, $p<.01$.