Variable Codebook for Pasqualotto et al Study
Submitted to Nature Human Behavior

SOM_Pasqualotto et al.csv: This is the main datafile for the reported study.

Each sheet corresponds to a paragraph of the main text

1. Skies of Manawak enhances reading skills

ID: subject identifier

group: SOM vs Control

age: age in months

sex: coded as 1 = Female, 0 = Male

IQ: general IQ as measured through the WISC-IV intelligence scale (standardized score)

time: coded as pre-test= T1; post-test=T2; follow-up= T3

w_speed= word reading speed (z-score)

nw_accuracy= word reading accuracy (z-score)

nw_speed= non-word reading speed (z-score)

text_accuracy= non-word reading accuracy (z-score)

text _speed= text reading speed (z-score)

text _accuracy= text reading accuracy (z-score)

2. Skies of Manawak enhances visuo-spatial attention

ID: subject identifier

group: SOM vs Control

age: age in months

sex: coded as 1 = Female, 0 = Male

IQ: general IQ as measured through the WISC-IV intelligence scale

time: coded as pre-test= T1; post-test=T2; follow-up= T3

campanelle_rap: barrage task – fast score (z-score)

campanelle_acc: barrage task – slow score (z-score)

tol: Tower of London score (z-score)

3. Controlling for possible test-retest learning confounds

ID: subject identifier

group: SOM vs Control

text_m: text reading performance (mean accuracy and speed score) at T3

bvn_text.3: text reading performance as measured through the novel task administered at T3

campanelle_m: barrage performance (mean fast and slow score) at T3

bvn_barrage.3: barrage performance as measured through the novel task administered at T3

4. Role of attentional control on fostering literacy skills – regression analysis

ID: subject identifier

group: SOM vs Control

age: age in months

sex: coded as 1 = Female, 0 = Male

IQ: general IQ as measured through the WISC-IV intelligence scale

speed_m.delta.1: general reading (mean of word, non-word and text reading speed) changes between T1 and T2

accuracy_m.delta.1: general reading (mean of word, non-word and text reading accuracy) changes between T1 and T2

speed_m: general reading performance (mean of word, non-word and text reading speed) at T1

accuracy_m: general reading performance (mean of word, non-word and text reading accuracy) at T1

campanelle_delta.1: attentional control changes between T1 and T2

tol_delta.1: planning changes between T1 and T2

5. Links with academic performance

ID: subject identifier

group: SOM vs Control

age: age in months

sex: coded as 1 = Female, 0 = Male

IQ: general IQ as measured through the WISC-IV intelligence scale

time: coded as pre-test= T1; post-test=T2; follow-up 6 = T3; follow-up 12 = T4, follow-up 18 = T5

math: Grades in Mathematics, on a scale from 0 to 10

ita: Grades in Italian, on a scale from 0 to 10