

Table 1s. Estimates from the linear mixed model predicting Flanker RTs (in ms) based on bilingual index

Model estimates		
Variables	β	[95% CI]
Trial type (incongruent vs. congruent)	37.84****	34.65, 41.03
Bilingual index	-12.97*	-27.95, 2
Trial type (incongruent vs. congruent) X bilingual index	4.29**	0.28, 8.3

The model was adjusted for age, sex, socioeconomic status, maximal educational attainment, and general intelligence (as measured by the Raven's Matrices)

Abbreviations: RTs, reaction times; CI, confidence interval;

* $P < 0.1$; ** $P < 0.05$; *** $P < 0.01$; **** $P < 0.001$, two-tailed

Table 2s. Estimates from the linear model predicting left CN GMVs (in cm³) based on bilingual index

Model estimates		
Variables	β	[95% CI]
Bilingual index	.016	-0.152, 0.184
Bilingual index X bilingual index (bilingual index ²)	-0.35***	-0.559, -0.14

The model was adjusted for age, sex, socioeconomic status, maximal educational attainment, total intracranial volume, and general intelligence (as measured by the Raven's Matrices)

Abbreviations: CN, Caudate Nucleus; GMVs, gray matter volumes; CI, confidence interval;

* $P < 0.1$; ** $P < 0.05$; *** $P < 0.01$; **** $P < 0.001$, two-tailed

Table 3s. Estimates from the linear model predicting right CN GMVs (in cm³) based on bilingual index

Model estimates		
Variables	β	[95% CI]
Bilingual index	.042	-0.154, 0.238
Bilingual index X bilingual index (bilingual index ²)	-0.253**	-0.497, -0.009

The model was adjusted for age, sex, socioeconomic status, maximal educational attainment, total intracranial volume, and general intelligence (as measured by the Raven's Matrices)

Abbreviations: CN, Caudate Nucleus; GMVs, gray matter volumes; CI, confidence interval;
 *P < 0.1; **P < 0.05; ***P < 0.01; ****P < 0.001, two-tailed

Table 4s. Estimates from the linear mixed model predicting Flanker RTs (in ms) based on the interaction between bilingual index and left CN GMVs (in cm³)

Variables	Model estimates	
	β	[95% CI]
Trial type (incongruent vs. congruent)	31.923****	13.909, 49.938
Bilingual index	-67.816*	-147.371, 11.74
Left CN GMV	4.533	-23.374, 32.439
Trial type (incongruent vs. congruent) X bilingual index	27.63***	6.838, 48.421
Trial type (incongruent vs. congruent) X left CN GMV	2.692	-4.621, 10.005
Bilingual index X left CN GMV	25.183	-10.812, 61.179
Trial type (incongruent vs. congruent) X bilingual index X left CN GMV	-10.85**	-20.236, -1.463

The model was adjusted for age, sex, socioeconomic status, maximal educational attainment, total intracranial volume, and general intelligence (as measured by the Raven's Matrices)

Abbreviations: RTs, reaction times; CN, Caudate Nucleus; GMVs, gray matter volumes; CI, confidence interval;
 *P < 0.1; **P < 0.05; ***P < 0.01; ****P < 0.001, two-tailed