

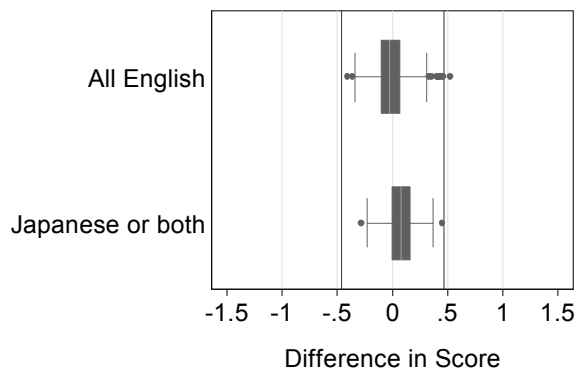
Type of file: figure

Label: Supplementary Figure

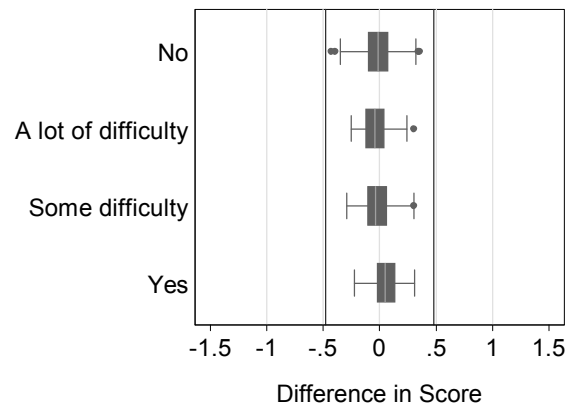
Filename: Supplementary Figure S1.doc

Supplementary Figure S1. Box-and-whisker plots for other covariates analyzed for DIF (see Figure 2)

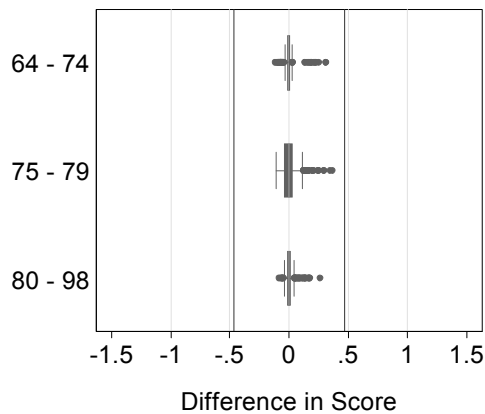
a. Kame: Language of testing



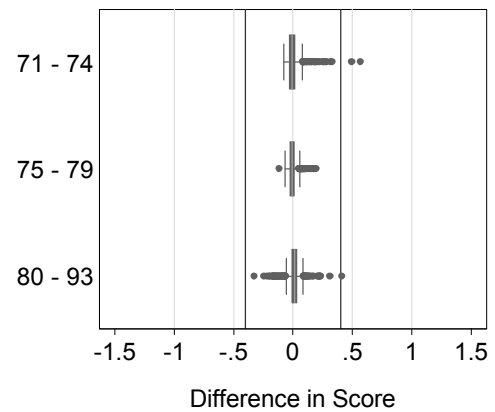
b. Kame: Read or write Japanese\*



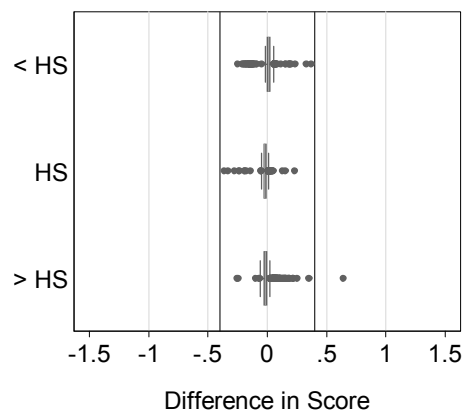
c. Kame: Age



d. HAAS: Age



e. HAAS: Educational attainment



\*There was no DIF related to reading or writing Japanese in HAAS.

Type of file: table

Label: Supplementary Table

Filename: Supplementary Table S1.doc

Supplementary Table S1. Item-level findings of differential item functioning related to self-reported proficiency reading or writing Japanese (Kame and HAAS).\*

Item	Kame		HAAS	
	non-uniform	uniform	non-uniform	uniform
Birth place	-	-	0.453	6.8
Year of birth	-	-	-	-
Date of birth	-	-	-	-
Age	0.749	-0.8	0.468	-1.3
Minutes in an hour	-	-	-	-
Direction of sunset	0.565	5.5	0.443	4.0
Instant recall 1	0.075	-5.2	0.820	-9.7
Instant recall 2	-	-	0.397	-2.7
Digits backwards 1	-	-	0.459	-1.4
Digits backwards 2	0.081	2.9	0.027	1.4
Digits backwards 3	0.467	0.7	0.193	1.1
Recall 1a	0.762	1.8	0.117	0.7
Recall 1b	<b>&lt; 0.001</b>	1.5	0.043	1.1
Recall 1c	0.039	0.4	0.119	1.0
Serial 3 subtraction 1	0.923	5.7	0.457	7.3
Serial 3 subtraction 2	0.757	-0.4	0.367	1.1
Serial 3 subtraction 3	0.115	3.3	0.393	2.4

Year	-	-	-	-
Month	-	-	0.581	2.8
Date	0.323	-0.3	0.120	2.3
Day of the week	0.907	-5.6	0.022	1.3
Season	-	-	0.104	5.6
Spatial orientation A	-	-	0.762	2.6
Spatial orientation B	-	-	0.252	-9.3
Animal fluency	0.865	-0.1	0.440	-1.4
Similes	< <b>0.001</b>	0.0	0.097	0.0
Judgment	< <b>0.001</b>	2.5	0.982	-0.5
Repeat phrase 1	0.262	<b>-10.1</b>	0.003	-7.8
Repeat phrase 2	0.005	-0.9	0.214	-2.9
Read / follow command	0.191	-8.9	0.044	-4.1
Write a specific sentence	0.702	-2.4	0.463	-2.4
Copy interlocked pentagons	0.629	0.5	0.935	1.4
Three step command	0.814	5.0	0.676	-3.9
Recall 2a	0.874	0.2	0.683	0.5
Recall 2b	0.067	-0.2	0.036	0.0
Recall 2c	0.314	0.4	0.038	0.7
Name body parts	0.143	0.0	0.045	-3.8
Object naming 1	-	-	-	-
Object naming 2	-	-	0.481	0.7
Object recall	0.659	2.3	0.543	-4.2

\* Non-uniform DIF is present (bold) if  $p < 0.002$ . Uniform DIF is present (bold) if the percent change in  $\beta_1$  is  $> 10$ .

- Indicates an item did not have enough discordance to analyze with these subgroups