Stroop Color-Word Interference Test: Normative data for the Latin American Spanish speaking adult population

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Abstract.

OBJECTIVE: To generate normative data on the Stroop Test across 11 countries in Latin America, with country-specific adjustments for gender, age, and education, where appropriate.

METHOD: The sample consisted of 3,977 healthy adults who were recruited from Argentina, Bolivia, Chile, Cuba, El Salvador, Guatemala, Honduras, Mexico, Paraguay, Peru, and, Puerto Rico. Each subject was administered the Stroop Test, as part of a larger neuropsychological battery. A standardized five-step statistical procedure was used to generate the norms.

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RESULTS: The final multiple linear regression models explained 14-36% of the variance in Stroop Word scores, 12-41% of the variance in the Stoop Color, 14-36% of the variance in the Stroop Word-Color scores, and 4-15% of the variance in Stroop Interference scores. Although *t*-tests showed significant differences between men and women on the Stroop test, none of the countries had an effect size larger than 0.3. As a result, gender-adjusted norms were not generated.

CONCLUSIONS: This is the first normative multicenter study conducted in Latin America to create norms for the Stoop Test in a Spanish-Speaking sample. This study will therefore have important implications for the future of neuropsychology research and practice throughout the region.

Keywords: Normative data, Stroop Color-Word Interference Test, reference values, Latin America, selective attention, executive function

1. Introduction

The Stroop Test is an executive functioning measure of selective attention, cognitive flexibility, cognitive inhibition, and information processing speed (Bryan & Luszcz, 2000; Rosselli et al., 2002; Strauss, Sherman, & Spreen, 2006; Van der Elst, Van Boxtel, Van Breukelen, & Jolles, 2006). The test was originally developed by John Ridley Stoop in 1935, and since then several versions of the Stroop Test have been created and are commercially available (Strauss et al., 2006), including the Victoria version (Regard, 1981), the Comalli version (Comalli, Wapner, & Werner, 1962), and the Golden version (Golden, 1978; Golden & Freshwater, 2002). Stroop tasks are also included in the Delis-Kaplan Executive Function System (Delis, Kaplan, & Kramer, 2001) and the Cognitive Assessment System (Naglieri & Das, 1997) batteries (Strauss et al., 2006). These different versions tend to vary on number of items, number of colors used, and use of colored patches/dots vs. colored X's (Strauss et al., 2006).

Various psychological mechanisms have been found to underlie the Stroop task, including information processing speed, working memory, semantic activation, and the ability to strengthen one response characteristic (Strauss et al., 2006). Areas of the brain involved in this task include the inferior frontal, dorsolateral prefrontal, and anterior cingulated cortices (Egner & Hirsch, 2005; Harrison et al., 2005; Peterson et al., 1999). Increased Stroop interference has been observed in a variety of patient illness groups believed to have executive dysfunction (for full review see Strauss et al., 2006), including schizophrenia (Moritz, Birkner, & Kloss, 2002), Parkinson's disease (Hanes, Andrewes, Smith, & Pantelis, 1996), Huntington's disease (Snowden, Craufurd, Griffiths, Thompson, & Neary, 2001), Friedreich's ataxia (White, Lalonde, & Boetz-Marquard, 2000), prenatal exposure to alcohol (Connor, Sampson, Bookstein, Barr, & Streissguth, 2000), chronic alcoholism (Dao-Castellana et al., 1998), Human Immunodeficiency Virus (HIV) infection (Castellon, Hinkin, & Myers, 2000), benign focal childhood epilepsy (Chevalier, Metz-Lutz, & Segalowitz, 2000), Attention Deficit Hyperactivity Disorder (ADHD; Homack & Riccio, 2004), and Alzheimer disease (Bondi et al., 2002). Increased interference can be observed among individuals with head injury when utilizing a more challenging version of the Stroop task (Bohnen, Jolles, Twijnstra, 1992).

Several demographic variables have also been shown to be associated with Stroop scores (see Strauss et al., 2006; Peña-Casanova et al., 2009 for reviews). Generally, studies indicate that aging is associated with slower speed of color naming and increased interference (e.g., Moering, Schinka, Mortimer, & Graves, 2004); women tend to do better on color-naming but gender differences are equivocal for interference (Strauss et al., 2006); education has a modest relation to interference (e.g., Steinberg, Bieliauskas, Smith, & Ivnik, 2005), and members of minority race/ethnicity perform more poorly than Caucasians (Moering et al., 2004; Rosselli et al., 2002).

Many studies provide normative data for the Golden version of the Stroop. The standardization sample was originally based on individuals aged 15-90 years, but sample characteristics were not clearly described (Strauss et al., 2006). Normative data also exist from a sample of 356 community-dwelling, independentlyfunctioning Caucasian individuals over the age of 55 (Ivnik, Malec, Smith, & Tangalos, 1996) and a sample of 303 community-dwelling African American individuals aged 56-94 years (Lucas et al., 2005). Tables for both of these normative samples are provided by Strauss and colleagues as well (2006). Moering and colleagues (2004) also provide normative data for 236 African Americans aged 60-84 years. Metanorms based on a compilation of six datasets are also provided for the interference condition only, by Mitrushina, Boone, Razani and D'Elia, (2005).

Several studies also provide normative data for the different languages in which the Stroop has been translated, such as for the Italian (Barbarotto et al., 1998), Hebrew (Ingraham, Chard, Wood, & Mirsky, 1988), Korean (Seol et al., 2008), and Greek (Zalonis et al., 2009) versions. Normative data also exist for the Spanish version of the Stroop for residents of the Madrid region of Spain and Spanish-speakers from the US-Mexico border (Artiola, Hermosillo, Heaton, & Pardee, 1999); older Catalan adults in Spain (Llinás-Reglá, Vilalta-Franch, López-Pousa, Calvó-Perxas, & Garre-Olmo, 2013); a group of English monolinguals, Spanish-English bilinguals, and Spanish monolingual in Florida (Rosselli et al., 2002); and monolingual Latino men (Lopez, Salazar, Villaseñor, Saucedo, & Peña, 2003). Peña-Casanova and colleagues (2009) also published age and education adjusted Stroop norms on community-dwelling Spaniards, aged 50–90 years.

Although there are many normative studies for the Stroop test that focus on various European and Asian countries, there are no normative data for Latin American countries. Therefore, the purpose of the current study was to provide normative data on the Stroop Test across 11 countries in Latin America, with countryspecific adjustments for gender, age, and education, where appropriate.

2. Method

2.1. Participants

The sample consisted of 3,977 healthy individuals who were recruited from Argentina, Bolivia, Chile, Cuba, El Salvador, Guatemala, Honduras, Mexico, Paraguay, Peru, and, Puerto Rico. The participants were selected according to the following criteria: a) were between 18 to 95 years of age, b) were born and currently lived in the country where the protocol was conducted, c) spoke Spanish as their native language, d) had completed at least one year of formal education, e) were able to read and write at the time of evaluation, f) scored ≥ 23 on the Mini-Mental State Examination (MMSE, Folstein, Folstein, & McHugh, 1975), g) scored ≤ 4 on the Patient Health Questionnaire-9 (PHQ-9, Kroenke, Spitzer, & Williams, 2001), and h) scored ≥ 90 on the Barthel Index (Mahoney & Barthel, 1965).

Participants with self-reported neurologic or psychiatric disorders were excluded due to a potential effect on cognitive performance. Participants were volunteers from the community and signed an informed consent. 62 participants were excluded from the analyses, with a final sample of 3915 participants. Socio-demographic and participant characteristics for each of the countries' samples have been reported elsewhere (Guàrdia-Olmos, Peró-Cebollero, Rivera, & Arango-Lasprilla, 2015). The multi-center study was approved by the Ethics Committee of the coordinating site, the University of Deusto, Spain.

2.2. Instrument administration

The Stroop Color and Word test consists of three pages, each with 100 components randomly organized into five columns. The subject has 45 seconds to read aloud, as quickly as possible, the columns from left to right. The sheet on words is formed by the words "Red," "Green," and "Blue" in black ink, and the score is the number of words read correctly. For the sheet on colors, there are groups of four X's ("XXXX") printed in blue, green, and red. The score is the number of elements properly named. Finally, the last list consists of the three words of the first printed page in the colors of the second, with words being incongruent with the color of the ink. The task is to name the ink color, inhibiting the reading of the word, and the score is the number of correctly named elements. Finally, an Interference Index is calculated with the formula: WC - [(WxC) / (P + W)], and indicates the degree to which the person has control over interference (Golden, 2007).

2.3. Statistical analyses

The detailed statistical analyses used to generate the normative data for this test are described in Guàrdia-Olmos et al. (2015). In summary, the data manipulation process for each country-specific dataset involved fivesteps: a) t – tests for independent samples and effect sizes (r) were conducted to determine gender effects. If the effect size was larger than 0.3, gender was included in the model with gender dummy coded and female as the reference group (male = 1 and female = 0). b) A multivariate regression model was used to specify the predictive model including gender (if effect size was larger than 0.3), age as a continuous variable, and education as a dummy coded variable with 1 if the participants had >12 years of education and 0 if participants had 1-12 years of education. If gender, age and/or education was not statistically significant in this multivariate model with an alpha of 0.05, the non-significant variables were removed and the model was re-run. Then a final regression model was conducted that included age (if statistically significant in the multivariate model), dichotomized

Country	Gender	Mean (SD)	t	df	Sig. (2-tailed)	r
Argentina ^a	Male	94.5 (18.1)	-0.93	145.1	0.355	0.077
•	Female	96.5 (14.2)				
Bolivia	Male	69.6 (26.4)	-0.24	264	0.813	0.015
	Female	70.4 (27.7)				
Chile	Male	79.1 (24.4)	0.09	313	0.931	0.005
	Female	78.9 (23.5)				
Cuba	Male	83.5 (24.4)	-1.12	297	0.264	0.065
	Female	86.6 (23.8)				
El Salvador ^a	Male	70.8 (26.7)	0.61	169.4	0.540	0.047
	Female	68.8 (22.0)				
Guatemala	Male	81.9 (22.9)	-0.88	206	0.382	0.061
	Female	84.6 (21.3)				
Honduras	Male	73.3 (25.4)	3.27	181	0.001**	0.236
	Female	60.9 (24.4)				
Mexico ^a	Male	84.9 (22.9)	1.35	796.1	0.178	0.048
	Female	83.1 (21.3)				
Paraguay	Male	78.1 (15.6)	1.69	261	0.092	0.104
	Female	75.2 (12.4)				
Peru	Male	96.7 (18.2)	2.25	239	0.025*	0.144
	Female	90.6 (21.2)				
Puerto Rico	Male	86.5 (20.6)	-0.63	291	0.532	0.037
	Female	88.1 (21.1)				

Table 1 Effect of gender in the Stroop-Word

^aValue of the *t*-test for independent groups from the different variances with the corresponding correction of Yuen-Welch of degrees of freedom. *p < 0.05, **p < 0.01.

education (if statistically significant in the multivariate model), and/or gender (if effect size was greater than 0.3) [$\hat{y}_i = \beta_0 + (\beta_{Age} \cdot Age_i) + (\beta_{Educ} \cdot Educ_i) +$ $(\beta_{Gender}, Gender_i)$]; c) residual scores were calculated based on this final model ($e_i = y_i - \hat{y}_i$); d) using the SD (residual) value provided by the regression model, residuals were standardized: $z = e_i/SD_e$, with SD_e , with SD_e (residual) = the standard deviation of the residuals in the normative sample; and e) standardized residuals were converted to percentile values (Strauss et al., 2006). Using each country's dataset, these steps were applied to Stroop Word, Color, Word-Color, and Interference scores. In certain countries, there was no effect of gender, nor age, nor education on the scores. In these cases, the normative data were generated directly using the raw scores.

3. Results

3.1. Stroop Word

Regarding the effect of gender on Stroop Word, the *t*-tests showed significant differences between men and women in Guatemala, and Peru; however, none of these two countries had an effect size larger than 0.3. Table 1 shows the results of the gender analyses by country on Stroop Word. As shown in Table 1, the effect sizes for

all countries were less than 0.3, and therefore gender was not taken into account to generate Stroop Word normative data for any of the countries in the study.

The final eleven Stroop Word multivariate linear regression models for each country are shown in Table 2. In all countries the Stroop Word score increased for those with more than 12 years of education (see Table 2) and, in all countries Stroop Word score decreased in a linear fashion as a function of age. The amount of variance explained in Stroop Word scores ranged from 14% (in Argentina) to 36% (in Chile).

3.2. Stroop Color

Regarding the effect of gender on Stroop Color, the *t*-tests showed significant differences between men and women in the countries of Guatemala, Honduras, and Mexico; however, none of these three countries had an effect size larger than 0.3. Table 3 shows the results of the gender analysis by country on Stroop Color. As shown in Table 1, the effect sizes for all countries were less than 0.3, and therefore gender was not taken into account to generate Stroop Color normative data for any of the countries in the study.

The final eleven Stroop Color multivariate linear regression models for each country are shown in Table 4. In all countries, except Peru, the Stroop Color

Country		В	Std. Error	t	Sig.	\mathbb{R}^2	SDe (residual)
Argentina	(Constant)	103.486	2.342	44.183	< 0.001	0.140	14.344
	Age	-0.235	0.042	-5.642	< 0.001		
	Education	5.908	1.630	3.626	< 0.001		
Bolivia	(Constant)	104.713	3.876	27.018	< 0.001	0.338	22.115
	Age	-0.662	0.063	-10.530	< 0.001		
	Education	12.184	3.634	3.353	< 0.001		
Chile	(Constant)	105.001	3.563	29.466	< 0.001	0.359	19.091
	Age	-0.544	0.057	-9.481	< 0.001		
	Education	16.139	2.617	6.168	< 0.001		
Cuba	(Constant)	114.730	3.404	33.703	< 0.001	0.326	19.770
	Age	-0.616	0.058	-10.547	< 0.001		
	Education	13.756	2.727	5.044	< 0.001		
El Salvador	(Constant)	76.632	3.961	19.346	< 0.001	0.229	20.976
	Age	-0.220	0.065	-3.386	< 0.001		
	Education	24.956	3.322	7.511	< 0.001		
Guatemala	(Constant)	99.526	4.526	21.990	< 0.001	0.203	19.642
	Age	-0.408	0.079	-5.164	< 0.001		
	Education	14.069	2.820	4.989	< 0.001		
Honduras	(Constant)	88.953	4.637	19.181	< 0.001	0.324	20.887
	Age	-0.573	0.084	-6.796	< 0.001		
	Education	17.728	3.714	4.773	< 0.001		
Mexico	(Constant)	107.696	1.535	70.155	< 0.001	0.267	18.723
	Age	-0.494	0.026	-18.994	< 0.001		
	Education	9.063	1.269	7.140	< 0.001		
Paraguay	(Constant)	86.433	2.968	29.120	< 0.001	0.330	11.248
	Age	-0.242	0.051	-4.698	< 0.001		
	Education	14.975	1.984	7.547	< 0.001		
Peru	(Constant)	104.045	3.333	31.215	< 0.001	0.266	17.447
	Age	-0.409	0.056	-7.320	< 0.001		
	Education	10.152	2.406	4.219	< 0.001		
Puerto Rico	(Constant)	107.949	3.581	30.142	< 0.001	0.248	18.083
	Age	-0.473	0.060	-7.945	< 0.001		
	Education	7.654	2.200	3.479	< 0.001		

Table 2 Final multiple linear regression models for Stroop-Word

score increased for those with more than 12 years of education (see Table 4) in all countries Stroop Color score decreased in a linear fashion as a function of age. The amount of variance explained in Stroop Color scores ranged from 14% (in Guatemala) to 42% (in Chile).

3.3. Stroop Word-Color

Regarding the effect of gender on Stroop Word-Color, the *t*-tests showed significant differences between men and women in the countries of Chile, Honduras, and Mexico, however, none of these countries had an effect size larger than 0.3. Table 5 shows the results of the gender analysis by country on Stroop Word-Color. As shown in Table 5, the effect sizes for all countries were less than 0.3, and therefore gender was not taken into account to generate Stroop Word-Color normative data for any of the countries in the study.

The final eleven Stroop Word-Color multivariate linear regression models for each country are shown in Table 6. In all countries the Stroop Word-Color score increased for those with more than 12 years of education (see Table 6) and decreased in a linear fashion as a function of age. The amount of variance explained in Stroop Word-Color scores ranged from 16% (in Guatemala) to 43% (in Chile).

3.4. Stroop Interference

Regarding the effect of gender on Stroop Interference, the *t*-tests showed significant differences between men and women in Chile, Cuba, Mexico, and Puerto Rico, however, none of these four countries had an effect size larger than 0.3. Table 7 shows the results of the gender analysis by country on Stroop Interference. As shown in Table 7, the effect sizes for all countries were less than 0.3, and therefore gender was not taken into account to generate Stroop Interference normative data for any of the countries in the study.

Country	Gender	Mean (SD)	t	df	Sig. (2-tailed)	r
Argentina	Male	66.3 (13.8)	-0.68	317	0.449	0.038
•	Female	67.5 (14.6)				
Bolivia	Male	52.3 (21.6)	-0.89	265	0.373	0.055
	Female	54.8 (22.5)				
Chile	Male	58.3 (18.2)	1.55	314	0.123	0.087
	Female	55.2 (16.5)				
Cuba	Male	59.8 (19.0)	-0.56	298	0.573	0.033
	Female	61.1 (20.3)				
El Salvador	Male	52.9 (20.9)	1.57	243	0.119	0.100
	Female	49.1 (17.0)				
Guatemala	Male	55.4 (17.3)	-2.30	206	0.023*	0.158
	Female	60.7 (16.1)				
Honduras	Male	54.6 (18.2)	2.72	181	0.007**	0.198
	Female	47.3 (17.0)				
Mexico ^a	Male	63.5 (19.2)	2.83	743.1	0.005**	0.103
	Female	60.4 (16.5)				
Paraguay	Male	62.6 (13.7)	0.60	261	0.548	0.037
	Female	61.7 (12.1)				
Peru	Male	71.3 (15.5)	1.40	239	0.164	0.090
	Female	68.3 (15.9)				
Puerto Rico	Male	61.5 (15.4)	-1.35	291	0.179	0.079
	Female	63.9 (15.4)				

Table 3 Effect of gender in the Stroop-Color

^aValue of the *t*-test for independent groups from the different variances with the corresponding correction of Yuen-Welch of degrees of freedom. *p < 0.05, **p < 0.01.

The final seven Stroop Interference multivariate linear regression models for each country are shown in Table 8. El Salvador, Peru, and Puerto Rico, the Stroop Interference score increased for those with more than 12 years of education (see Table 8), and Argentina, Chile, Mexico, and Paraguay decreased in a linear fashion as a function of age. Cuba, Bolivia, Guatemala, and Honduras did not show effect to age, and education level. The amount of variance explained in Stroop Interference scores ranged from 4% (El Salvador) to 15% (in Puerto Rico).

3.5. Normative procedure

Norms (e.g., a percentile score) for the Stroop Word-Color test different scores were established using the five-step procedure described above. To facilitate the understanding of the procedure to obtain the percentile associated with a score on this test, an example will be given. Suppose you need to find the percentile score for a Peruvian man, who is 50 years old and has 14 years of education. He has a score of 80 on Stroop Word. The steps to obtain the percentile for this score are: a) Check Table 1 to determine if the effect size of gender in the country of interest (Peru) on this test and time point (Stroop Word) is greater than 0.3 by country. The column labelled r in Table 1 indicates the effect size. In this example, the effect size is 0.144, which is not greater than 0.3. For Peruvian on this test, gender does not influence scores to a sufficient degree to take it into account when determining the percentile. b) Find Peru in Table 2, which provides the final regression models by country for Stroop Word scores. Use the B weights to create an equation that will allow you to obtain the predicted Stroop Word score. The corresponding B weights are multiplied by the actual age and dichotomized education scores and added to a constant in order to calculate the predicted value. In this case, the predicted Stroop Word score would be calculated using the equation $[\hat{y}_i = 104.045 + (-0.409 \cdot Age_i) + (10.152 \cdot Dichotomized Educational Level_i)]$

(the values have been rounded for presentation in the formula). The subscript notation *i* indicate the person of interest. The person's age is 50, but the education variable is not continuous in the model. Years of education is split into either 1 to 12 years (and assigned a 0) or more than 12 years (and assigned a 1) in the model. Since our hypothetical person in the example has 14 years of education, his educational level value is 1. Thus the predicted value is $\hat{y}_i = 104.045 + (-0.409 \cdot 50) + (10.152 \cdot 1) =$ 104.045 - 20.463 + 10.152 = 93.733. c) In order to calculate the residual value (indicated with an *e* in the equation), we subtract the actual value from the

Country		В	Std. Error	t	Sig.	\mathbb{R}^2	SDe (residual)
Argentina	(Constant)	74.954	2.094	35.802	< 0.001	0.202	12.821
-	Age	-0.254	0.037	-6.817	< 0.001		
	Education	7.082	1.457	4.862	< 0.001		
Bolivia	(Constant)	85.904	2.986	28.766	< 0.001	0.409	17.046
	Age	-0.606	0.048	-12.507	< 0.001		
	Education	9.302	2.775	3.352	0.001		
Chile	(Constant)	77.268	2.463	31.372	< 0.001	0.415	13.195
	Age	-0.431	0.040	-10.880	< 0.001		
	Education	12.053	1.801	6.693	< 0.001		
Cuba	(Constant)	84.940	2.862	29.676	< 0.001	0.284	16.655
	Age	-0.495	0.049	-10.070	< 0.001		
	Education	7.793	2.286	3.409	0.001		
El Salvador	(Constant)	62.283	3.259	19.108	< 0.001	0.144	17.260
	Age	-0.251	0.054	-4.695	< 0.001		
	Education	10.865	2.734	3.974	< 0.001		
Guatemala	(Constant)	73.428	3.549	20.690	< 0.001	0.161	15.402
	Age	-0.335	0.062	-5.413	< 0.001		
	Education	6.781	2.211	3.066	0.002		
Honduras	(Constant)	72.485	3.130	23.162	< 0.001	0.371	14.095
	Age	-0.504	0.057	-8.863	< 0.001		
	Education	8.223	2.507	3.280	0.001		
Mexico	(Constant)	83.657	1.192	70.158	< 0.001	0.306	14.574
	Age	-0.444	0.020	-21.997	< 0.001		
	Education	5.360	0.987	5.432	< 0.001		
Paraguay	(Constant)	70.177	2.892	24.270	< 0.001	0.254	10.957
	Age	-0.195	0.050	-3.889	< 0.001		
	Education	12.156	1.933	6.289	< 0.001		
Peru	(Constant)	83.744	2.162	38.730	< 0.001	0.184	14.265
	Age	-0.329	0.045	-7.350	< 0.001		
Puerto Rico	(Constant)	83.497	2.465	33.879	< 0.001	0.347	12.444
	Age	-0.446	0.041	-10.899	< 0.001		
	Education	4.501	1.514	2.973	0.003		

Table 4 Final multiple linear regression models for Stroop-Color

predicted value we just calculated $(e_i = y_i - \hat{y}_i)$. In this case, it would be $e_i = 80 - 93.201 = -13.733$. d) Next, consult the SD_e column in Table 2 to obtain the country-specific SD_e (residual) value. For Mexico it is 17.477. Using this value, we can transform the residual value to a standardized zscore using the equation (e_i/SD_e) . In this case, we have (-13.733)/1 + 17.447 = -0.787. This is the standardized z score for a Peruvian man aged 50 and 14 years of education and a score of 80 on Stroop Word. e) The last step is to look-up the tables in the statistical reference books (e.g. Strauss et al., 2006) or use a trusted online calculator like the one available at http://www.measuringu.com/pcalcz.php. In the online calculator, you would enter the z score and choose a one-sided test and note the percent of area after hitting the submit button. In this case, the probability of -0.787 corresponds to the 22th percentile. Please remember to use the appropriate tables that correspond to each test (Stroop Word, Color, Word-Color, and Interference) when performing these calculations. If the percentile for the Stroop Color, Word-Color, and Interference scores is desired, Tables 3–8 must be used.

3.6. User-friendly normative data

The five-step normative procedures explained above can provide more individualized norms. However, this method can be prone to human error due to the number of required computations. To enhance user-friendliness, the authors have completed these steps for a range of raw scores based on small age range groupings (see Guàrdia-Olmos et al., 2015) and created tables that clinicians can more easily use to obtain a percentile range associated with a given raw score on this test. These tables are available by country and type of test in the Appendix. In order to obtain an approximate percentile for the above example (converting a raw score of 80 for a Peruvian man who is 50 years old and has 14 years of education using the simplified normative

Country	Gender	Mean (SD)	t	df	Sig. (2-tailed)	r
Argentina	Male	39.4 (10.3)	0.27	317	0.790	0.015
•	Female	39.1 (11.2)				
Bolivia	Male	31.0 (15.3)	-1.23	265	0.220	0.075
	Female	33.6 (17.2)				
Chile ^a	Male	35.3 (16.6)	2.09	247.83	0.037*	0.132
	Female	31.6 (13.7)				
Cuba	Male	36.2 (14.6)	0.84	298	0.399	0.049
	Female	34.7 (14.7)				
El Salvador	Male	30.8 (13.4)	1.79	243	0.075	0.114
	Female	27.9 (11.4)				
Guatemala	Male	32.5 (13.8)	-0.62	206	0.534	0.043
	Female	33.6 (11.8)				
Honduras	Male	33.5 (10.9)	3.13	181	0.002**	0.227
	Female	28.4 (10.3)				
Mexico ^a	Male	39.7 (16.5)	4.96	707.15	< 0.001***	0.183
	Female	35.2 (13.3)				
Paraguay	Male	32.2 (10.8)	1.73	261	0.084	0.107
	Female	29.9 (9.9)				
Peru	Male	41.4 (14.1)	1.35	239	0.177	0.087
	Female	38.9 (13.7)				
Puerto Rico	Male	39.0 (15.2)	0.89	291	0.372	0.052
	Female	37.5 (13.4)				

Table 5 Effect of gender in the Stroop Word-Color

^aValue of the *t*-test for independent groups from the different variances with the corresponding correction of Yuen-Welch of degrees of freedom. *p < 0.05, **p < 0.01, ***p < 0.001.

tables provided, the following steps are recommended. (1) First, identify the appropriate table ensuring the specific country and test. In this case, the table for Stroop Word scores for Peru can be found in Table A10. (2) Note if the title of the table indicates that it is only to be used for one specific gender. In this case, gender is not specified. Thus Table A10 is used for both males and females. (3) Next, the table is divided based on educational level (1 to 12 vs. >12 years of education). Since this man has 14 years of education, he falls into the ">12 years of education" category. These data can be found in the top section of the table. (4) Determine the age range most appropriate for the individual. In this case, 50 fall into the column 48-52 years of age. (5) Read down the age range column to find the approximate location of the raw score the person obtained on the test. Reading down the 48-52 column, the score of 80 obtained by this Peruvian man corresponds to an approximate percentile of 20.

The percentile obtained via this user-friendly table method (20th) is slightly different than the more exact one (22nd) obtained following the individual conversion steps above because the table method is based on an age range (e.g., individuals aged 48–52) instead of the exact age (individuals aged 50). If the exact score is not listed in the column, you must estimate the percentile value from the listed raw scores.

4. Discussion

The purpose of the current study was to generate normative data on the Stroop across 11 countries in Latin America, with country-specific adjustments for gender, age, and education, where appropriate. The final multiple linear regression models explained between 14-36% of the variance in Stroop Word scores, 12-41% of the variance Stroop Color scores, 14-36% of the variance in Stroop Word-Color scores, and 4-15% of the variance in Stroop Interference scores. Although several gender differences emerged on different Stroop scores in several countries, all of the effect sizes were small, so gender-adjusted norms were not generated. The only previous research on gender differences in Stroop performance found that women performed better on color-naming but that gender differences were equivocal for interference (Strauss et al., 2006). In the current study, gender differences flipped flopped in different countries for the Stroop Color, and generally gender differences were equivocal in the current study as well. When considering the prior literature, the current study suggests that gender-adjustments should not be made in calculating percentiles for the Stroop in Latin America.

All four Stroop scores increased linearly as a function of education in the vast majority of countries. How-

Country		В	Std. Error	t	Sig.	\mathbb{R}^2	SDe (residual)
Argentina	(Constant)	47.375	1.485	31.904	< 0.001	0.309	9.094
	Age	-0.250	0.026	-9.466	< 0.001		
	Education	6.079	1.033	5.883	< 0.001		
Bolivia	(Constant)	50.566	2.547	19.851	< 0.001	0.227	14.540
	Age	-0.338	0.041	-8.179	< 0.001		
	Education	4.958	2.367	2.095	0.037		
Chile	(Constant)	49.782	2.133	23.335	< 0.001	0.426	11.430
	Age	-0.357	0.034	-10.401	< 0.001		
	Education	12.098	1.560	7.756	< 0.001		
Cuba	(Constant)	50.088	2.289	21.882	< 0.001	0.173	13.320
	Age	-0.293	0.039	-7.465	< 0.001		
	Education	3.753	1.828	2.053	0.041		
El Salvador	(Constant)	38.050	2.010	18.935	< 0.001	0.246	10.641
	Age	-0.200	0.033	-6.072	< 0.001		
	Education	10.197	1.686	6.050	< 0.001		
Guatemala	(Constant)	43.348	2.676	16.201	< 0.001	0.163	11.612
	Age	-0.239	0.047	-5.111	< 0.001		
	Education	6.041	1.667	3.623	< 0.001		
Honduras	(Constant)	39.063	2.094	18.655	< 0.001	0.231	9.431
	Age	-0.212	0.038	-5.559	< 0.001		
	Education	5.969	1.677	3.559	< 0.001		
Mexico	(Constant)	54.458	0.995	54.732	< 0.001	0.306	12.144
	Age	-0.361	0.017	-21.438	< 0.001		
	Education	5.489	0.822	6.675	< 0.001		
Paraguay	(Constant)	37.968	2.094	18.129	< 0.001	0.405	7.936
	Age	-0.179	0.036	-4.936	< 0.001		
	Education	13.052	1.400	9.322	< 0.001		
Peru	(Constant)	52.222	2.219	23.534	< 0.001	0.296	11.615
	Age	-0.339	0.037	-9.105	< 0.001		
	Education	3.700	1.602	2.310	0.022		
Puerto Rico	(Constant)	59.779	2.167	27.581	< 0.001	0.408	10.944
	Age	-0.459	0.036	-12.735	< 0.001		
	Education	3.580	1.332	2.688	0.008		

Table 6 Final multiple linear regression models for Stroop Word-Color

ever, there was no effect of education for Stroop Color in Guatemala or for Stroop Interference in Peru, Honduras, Puerto Rico, or El Salvador. These general effects of education are in line with previous research showing that education is positively associated with Stroop performance (Steinberg et al., 2005). It is therefore important that neuropsychologists in Latin America use the education-adjusted norms for each country on the Stroop, except in Guatemala for the Stroop Color or in Peru, Honduras, Puerto Rico, and El Salvador for the Stroop Interference. There are likely substantial differences in education quality across countries in Latin America, and therefore the current study's Stroop education adjustments are important to use in the appropriate Latin American countries.

Stroop scores consistently decreased with increasing age in all countries in the current study. This finding is in line with previous research documenting aging to be associated with slower speed of Stroop color naming and increased interference (Moering et al., 2004). In light of the prior findings, the current study suggests that Stroop corrections for age in Latin America be made consistently, given the robust age effect identified.

4.1. Limitations and future directions

This study has several limitations and directions for future research. First, neuropsychologists need to exercise caution in using the Stroop norms from the current study when performing assessments in countries other than those in which data were collected. An extremely important direction for future research involves creating Stroop norms in other countries in Latin America that were not included in the current study, such as Ecuador, Uruguay, Venezuela, and Panama. Although this is an important limitation, the Stroop norms from this study may be more accurate in other Latin American countries than the norms that neuropsychologists in those countries are currently using. This generalizability is extremely important to examine in future research.

Country	Gender	Mean (SD)	t	df	Sig. (2-tailed)	r
Argentina	Male	0.7 (8.6)	1.11	317	0.270	0.062
•	Female	-0.4 (7.4)				
Bolivia	Male	1.8 (12.4)	-0.91	265	0.363	0.056
	Female	3.1 (11.6)				
Chile ^a	Male	2.0 (10.2)	2.48	251.0	0.014^{*}	0.155
	Female	-0.7 (8.6)				
Cuba	Male	1.7 (9.9)	2.10	298	0.036	0.121
	Female	-0.8 (10.6)				
El Salvador	Male	1.0 (8.3)	1.12	243	0.264	0.072
	Female	-0.3 (9.0)				
Guatemala	Male	-0.1 (9.5)	1.04	206	0.299	0.072
	Female	-1.5 (9.1)				
Honduras	Male	2.5 (6.0)	0.44	181	0.663	0.032
	Female	2.1 (7.2)				
Mexico	Male	3.7 (11.1)	5.08	1,279	< 0.001***	0.141
	Female	0.5 (10.0)				
Paraguay	Male	-2.4 (7.9)	1.40	261	0.162	0.086
	Female	-3.8 (7.9)				
Peru	Male	0.8 (10.9)	0.30	239	0.761	0.020
	Female	0.4 (9.5)				
Puerto Rico	Male	3.3 (11.3)	2.03	291	0.043*	0.118
	Female	0.8 (10.4)				

Table 7 Effect of gender in the Stroop-Interference

^aValue of the *t*-test for independent groups from the different variances with the corresponding correction of Yuen-Welch of degrees of freedom. *p < 0.05, **p < 0.01, ***p < 0.001.

 Table 8

 Final multiple linear regression models for Stroop-Interference

Country		В	Std. Error	t	Sig.	\mathbb{R}^2	SDe (residual)
Argentina	(Constant)	4.053	1.174	3.451	0.001	0.137	7.192
e	Age	-0.121	0.021	-5.801	< 0.001		
	Education	2.686	0.817	3.288	0.001		
Chile	(Constant)	5.355	1.618	3.310	0.001	0.145	8.666
	Age	-0.112	0.026	-4.320	< 0.001		
	Education	5.191	1.183	4.389	< 0.001		
El Salvador	(Constant)	4.509	1.569	2.874	0.004	0.043	8.571
	Age	-0.078	0.026	-2.928	0.004		
Mexico	(Constant)	7.736	0.826	9.366	< 0.001	0.072	10.095
	Age	-0.125	0.014	-8.955	< 0.001		
	Education	2.021	0.683	2.957	0.003		
Paraguay	(Constant)	-0.570	1.921	-0.296	0.767	0.150	7.280
	Age	-0.073	0.033	-2.196	0.029		
	Education	6.412	1.284	4.993	< 0.001		
Peru	(Constant)	7.622	1.434	5.314	< 0.001	0.116	9.463
	Age	-0.162	0.030	-5.465	< 0.001		
Puerto Rico	(Constant)	13.414	1.717	7.813	< 0.001	0.151	9.990
	Age	-0.227	0.032	-7.154	< 0.001		

Second, participants in this study spoke Spanish as their primary language, but it is unknown whether they spoke additional secondary languages. Stroop performance could differ in bilingual individuals from Latin America, and future research should study potential effects of bilingualism on performance. Participants were recruited from specific cities or regions of countries as opposed to nationally within those countries. This study is the largest neuropsychological normative study conducted to date in Latin America for the Stroop, or in any global region, so it should be considered a first step in the direction of larger, nationally representative normative studies. The sample was limited also in that although a good number of participants had fewer than 12 years of education, those who were unable to read were excluded, and as a result, these norms may not apply to illiterate adults. Similarly, participants with a history of neurological conditions and children did not participate in the study; future studies should collect data from these distinct populations.

Third, administration of the Stroop is extremely common in Latin America for neuropsychological assessment, but other common instruments need to be normed in the same manner to improve their use in this region as well. In the same vein, future research should examine the ecological validity and psychometric properties of the Stroop and other common neuropsychological instruments in Latin America. Researchers need to create instruments within Latin American cultures that have high ecological validity, as the Stroop was created in a Western culture that potentially differs in important ways from the diverse cultures in Latin America. Future studies would benefit from developing assessments within local cultures, instead of simply translating and norming instruments developed in other cultural contexts.

Although these limitations are present, only limited studies have produced Stroop norms in Spanishspeaking populations such as Spanish-speakers from the US-Mexico border (Artiola et al., 1999), Spain (Llinás-Reglá et al., 2013; Peña-Casanova et al., 2009), or Florida (Rosselli et al., 2002). As a result, this study was the first to create Stroop norms across 11 countries in Latin America with nearly 4,000 participants. It was the largest, most comprehensive Stroop normative study in any global region conducted to date, and its norms have the potential to have lasting effects on the standard of neuropsychological assessment with the Stroop in Latin America unlike any study before it.

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Appendix

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							A	Age (Years)					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	128.2	127.0	125.9	124.7	123.5	122.3	121.2	120.0	118.8	117.6	116.4	115.3	114.1
	90	123.0	121.9	120.7	119.5	118.3	117.2	116.0	114.8	113.6	112.5	111.3	110.1	108.9
_	85	119.6	118.4	117.3	116.1	114.9	113.7	112.5	111.4	110.2	109.0	107.8	106.7	105.5
>12 years of education	80	116.7	115.6	114.4	113.2	112.0	110.9	109.7	108.5	107.3	106.1	105.0	103.8	102.6
Ical	70	112.1	111.0	109.8	108.6	107.4	106.3	105.1	103.9	102.7	101.6	100.4	99.2	98.0
npa	60	108.3	107.1	105.9	104.7	103.6	102.4	101.2	100.0	98.9	97.7	96.5	95.3	94.2
Ξ	50	104.7	103.5	102.3	101.2	100.0	98.8	97.6	96.5	95.3	94.1	92.9	91.7	90.6
rs c	40	101.1	99.9	98.7	97.6	96.4	95.2	94.0	92.9	91.7	90.5	89.3	88.2	87.0
'ea	30	97.2	96.1	94.9	93.7	92.5	91.3	90.2	89.0	87.8	86.6	85.5	84.3	83.1
5	20	92.6	91.5	90.3	89.1	87.9	86.8	85.6	84.4	83.2	82.1	80.9	79.7	78.5
$\overline{}$	15	89.8	88.6	87.4	86.2	85.1	83.9	82.7	81.5	80.4	79.2	78.0	76.8	75.7
	10	86.3	85.2	84.0	82.8	81.6	80.4	79.3	78.1	76.9	75.7	74.6	73.4	72.2
	5	81.2	80.0	78.8	77.6	76.5	75.3	74.1	72.9	71.8	70.6	69.4	68.2	67.0
	95	122.3	121.1	120.0	118.8	117.6	116.4	115.2	114.1	112.9	111.7	110.5	109.4	108.2
	90	117.1	116.0	114.8	113.6	112.4	111.3	110.1	108.9	107.7	106.6	105.4	104.2	103.0
n	85	113.7	112.5	111.3	110.2	109.0	107.8	106.6	105.5	104.3	103.1	101.9	100.8	99.6
ati	80	110.8	109.7	108.5	107.3	106.1	104.9	103.8	102.6	101.4	100.2	99.1	97.9	96.7
nc	70	106.2	105.1	103.9	102.7	101.5	100.4	99.2	98.0	96.8	95.7	94.5	93.3	92.1
eq	60	102.4	101.2	100.0	98.8	97.7	96.5	95.3	94.1	93.0	91.8	90.6	89.4	88.2
of	50	98.8	97.6	96.4	95.3	94.1	92.9	91.7	90.5	89.4	88.2	87.0	85.8	84.7
ars	40	95.2	94.0	92.8	91.7	90.5	89.3	88.1	87.0	85.8	84.6	83.4	82.3	81.1
ye	30	91.3	90.1	89.0	87.8	86.6	85.4	84.3	83.1	81.9	80.7	79.6	78.4	77.2
to 12 years of education	20	86.7	85.6	84.4	83.2	82.0	80.8	79.7	78.5	77.3	76.1	75.0	73.8	72.6
to	15	83.9	82.7	81.5	80.3	79.2	78.0	76.8	75.6	74.5	73.3	72.1	70.9	69.7
1	10	80.4	79.2	78.1	76.9	75.7	74.5	73.4	72.2	71.0	69.8	68.7	67.5	66.3
	5	75.3	74.1	72.9	71.7	70.6	69.4	68.2	67.0	65.8	64.7	63.5	62.3	61.1

Table A1 Normative data for the Stroop-Word stratified by age and education levels for ARGENTINA

 Table A2

 Normative data for the Stroop-Word stratified by age and education levels for BOLIVIA

							Α	ge (Years)					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	139.9	136.6	133.3	130.0	126.7	123.4	120.0	116.7	113.4	110.1	106.8	103.5	100.2
	90	132.0	128.6	125.3	122.0	118.7	115.4	112.1	108.8	105.5	102.2	98.8	95.5	92.2
c	85	126.6	123.3	120.0	116.7	113.4	110.1	106.8	103.5	100.2	96.8	93.5	90.2	86.9
>12 years of education	80	122.2	118.9	115.6	112.3	109.0	105.7	102.4	99.0	95.7	92.4	89.1	85.8	82.5
ıca	70	115.1	111.8	108.5	105.2	101.9	98.6	95.3	92.0	88.7	85.3	82.0	78.7	75.4
edı	60	109.2	105.9	102.6	99.2	95.9	92.6	89.3	86.0	82.7	79.4	76.1	72.8	69.4
of	50	103.7	100.3	97.0	93.7	90.4	87.1	83.8	80.5	77.2	73.8	70.5	67.2	63.9
urs	40	98.1	94.8	91.5	88.2	84.9	81.6	78.3	74.9	71.6	68.3	65.0	61.7	58.4
yea	30	92.2	88.8	85.5	82.2	78.9	75.6	72.3	69.0	65.7	62.3	59.0	55.7	52.4
12	20	85.1	81.8	78.5	75.1	71.8	68.5	65.2	61.9	58.6	55.3	52.0	48.6	45.3
Λ	15	80.7	77.3	74.0	70.7	67.4	64.1	60.8	57.5	54.2	50.8	47.5	44.2	40.9
	10	75.3	72.0	68.7	65.4	62.1	58.8	55.5	52.2	48.9	45.5	42.2	38.9	35.6
	5	67.4	64.1	60.8	57.4	54.1	50.8	47.5	44.2	40.9	37.6	34.3	31.0	27.6
	95	127.7	124.4	121.1	117.8	114.5	111.2	107.9	104.6	101.2	97.9	94.6	91.3	88.0
	90	119.8	116.5	113.1	109.8	106.5	103.2	99.9	96.6	93.3	90.0	86.7	83.3	80.0
uo	85	114.5	111.2	107.8	104.5	101.2	97.9	94.6	91.3	88.0	84.7	81.3	78.0	74.7
years of education	80	110.0	106.7	103.4	100.1	96.8	93.5	90.2	86.9	83.5	80.2	76.9	73.6	70.3
luc	70	103.0	99.7	96.3	93.0	89.7	86.4	83.1	79.8	76.5	73.2	69.8	66.5	63.2
Е с	60	97.0	93.7	90.4	87.1	83.7	80.4	77.1	73.8	70.5	67.2	63.9	60.6	57.3
jo s	50	91.5	88.2	84.8	81.5	78.2	74.9	71.6	68.3	65.0	61.7	58.3	55.0	51.7
car	40	85.9	82.6	79.3	76.0	72.7	69.4	66.1	62.8	59.4	56.1	52.8	49.5	46.2
ž	30	80.0	76.7	73.3	70.0	66.7	63.4	60.1	56.8	53.5	50.2	46.8	43.5	40.2
to 12	20	72.9	69.6	66.3	63.0	59.6	56.3	53.0	49.7	46.4	43.1	39.8	36.5	33.1
1 to	15	68.5	65.2	61.8	58.5	55.2	51.9	48.6	45.3	42.0	38.7	35.4	32.0	28.7
1	10	63.2	59.8	56.5	53.2	49.9	46.6	43.3	40.0	36.7	33.4	30.0	26.7	23.4
	5	55.2	51.9	48.6	45.3	42.0	38.6	35.3	32.0	28.7	25.4	22.1	18.8	15.5

						1		,			-			
							A	Age (Years)					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	141.6	138.9	136.1	133.4	130.7	128.0	125.3	122.5	119.8	117.1	114.4	111.7	109.0
	90	134.7	132.0	129.3	126.5	123.8	121.1	118.4	115.7	113.0	110.2	107.5	104.8	102.1
c	85	130.1	127.4	124.7	122.0	119.2	116.5	113.8	111.1	108.4	105.7	102.9	100.2	97.5
tio	80	126.3	123.6	120.9	118.1	115.4	112.7	110.0	107.3	104.6	101.8	99.1	96.4	93.7
Ica	70	120.2	117.5	114.8	112.0	109.3	106.6	103.9	101.2	98.4	95.7	93.0	90.3	87.6
edt	60	115.0	112.3	109.6	106.9	104.2	101.4	98.7	96.0	93.3	90.6	87.9	85.1	82.4
ofe	50	110.3	107.5	104.8	102.1	99.4	96.7	94.0	91.2	88.5	85.8	83.1	80.4	77.6
LS	40	105.5	102.8	100.1	97.3	94.6	91.9	89.2	86.5	83.7	81.0	78.3	75.6	72.9
yea	30	100.3	97.6	94.9	92.2	89.5	86.7	84.0	81.3	78.6	75.9	73.2	70.4	67.7
>12 years of education	20	94.2	91.5	88.8	86.1	83.4	80.6	77.9	75.2	72.5	69.8	67.0	64.3	61.6
$\overline{}$	15	90.4	87.7	85.0	82.3	79.5	76.8	74.1	71.4	68.7	65.9	63.2	60.5	57.8
	10	85.8	83.1	80.4	77.7	75.0	72.2	69.5	66.8	64.1	61.4	58.6	55.9	53.2
	5	79.0	76.2	73.5	70.8	68.1	65.4	62.6	59.9	57.2	54.5	51.8	49.1	46.3
	05	105.4	100 7	120.0	117.0	1146	111.0	100.1	106.4	102 7	101.0	00.2	05.5	02.0
	95	125.4	122.7	120.0	117.3	114.6	111.8	109.1	106.4	103.7	101.0	98.3	95.5	92.8
_	90	118.6	115.8	113.1	110.4	107.7	105.0	102.3	99.5	96.8	94.1	91.4	88.7	85.9
ior	85	114.0	111.3	108.5	105.8	103.1	100.4	97.7	95.0	92.2	89.5	86.8	84.1	81.4
cat	80	110.2	107.4	104.7	102.0	99.3	96.6	93.9	91.1	88.4	85.7	83.0	80.3	77.5
'np	70	104.1	101.3	98.6	95.9	93.2	90.5	87.7	85.0	82.3	79.6	76.9	74.2	71.4
ΣĘ	60	98.9	96.2	93.5	90.7	88.0	85.3	82.6	79.9	77.2	74.4	71.7	69.0	66.3
LS C	50	94.1	91.4	88.7	86.0	83.3	80.5	77.8	75.1	72.4	69.7	66.9	64.2	61.5
'ea	40	89.4	86.6	83.9	81.2	78.5	75.8	73.0	70.3	67.6	64.9	62.2	59.5	56.7
1 to 12 years of education	30	84.2	81.5	78.8	76.0	73.3	70.6	67.9	65.2	62.5	59.7	57.0	54.3	51.6
01	20	78.1	75.4	72.7	69.9	67.2	64.5	61.8	59.1	56.3	53.6	50.9	48.2	45.5
1 t	15	74.3	71.6	68.8	66.1	63.4	60.7	58.0	55.2	52.5	49.8	47.1	44.4	41.7
	10	69.7	67.0	64.3	61.5	58.8	56.1	53.4	50.7	47.9	45.2	42.5	39.8	37.1
	5	62.8	60.1	57.4	54.7	51.9	49.2	46.5	43.8	41.1	38.4	35.6	32.9	30.2

Table A3 Normative data for the Stroop-Word stratified by age and education levels for CHILE

 Table A4

 Normative data for the Stroop-Word stratified by age and education levels for CUBA

							A	ge (Years)					
	Percentile	18-22	23-27	28-32	33–37	38–42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	148.6	145.5	142.4	139.3	136.3	133.2	130.1	127.0	123.9	120.8	117.8	114.7	111.6
	90	141.5	138.4	135.3	132.2	129.1	126.1	123.0	119.9	116.8	113.7	110.6	107.6	104.5
ц	85	136.7	133.6	130.6	127.5	124.4	121.3	118.2	115.1	112.1	109.0	105.9	102.8	99.7
>12 years of education	80	132.8	129.7	126.6	123.5	120.4	117.4	114.3	111.2	108.1	105.0	102.0	98.9	95.8
nce	70	126.4	123.4	120.3	117.2	114.1	111.0	108.0	104.9	101.8	98.7	95.6	92.5	89.5
eq	60	121.1	118.0	114.9	111.9	108.8	105.7	102.6	99.5	96.4	93.4	90.3	87.2	84.1
of	50	116.2	113.1	110.0	106.9	103.8	100.8	97.7	94.6	91.5	88.4	85.3	82.3	79.2
ars	40	111.2	108.1	105.1	102.0	98.9	95.8	92.7	89.6	86.6	83.5	80.4	77.3	74.2
ye	30	105.9	102.8	99.7	96.6	93.6	90.5	87.4	84.3	81.2	78.1	75.1	72.0	68.9
~12	20	99.6	96.5	93.4	90.3	87.2	84.1	81.1	78.0	74.9	71.8	68.7	65.7	62.6
~	15	95.6	92.5	89.4	86.4	83.3	80.2	77.1	74.0	70.9	67.9	64.8	61.7	58.6
	10	90.9	87.8	84.7	81.6	78.5	75.4	72.4	69.3	66.2	63.1	60.0	57.0	53.9
	5	83.7	80.7	77.6	74.5	71.4	68.3	65.2	62.2	59.1	56.0	52.9	49.8	46.8
	95	134.8	131.7	128.7	125.6	122.5	119.4	116.3	113.3	110.2	107.1	104.0	100.9	97.8
	90	127.7	124.6	121.5	118.5	115.4	112.3	109.2	106.1	103.1	100.0	96.9	93.8	90.7
on	85	123.0	119.9	116.8	113.7	110.6	107.6	104.5	101.4	98.3	95.2	92.1	89.1	86.0
cati	80	119.0	115.9	112.8	109.8	106.7	103.6	100.5	97.4	94.4	91.3	88.2	85.1	82.0
to 12 years of education	70	112.7	109.6	106.5	103.4	100.4	97.3	94.2	91.1	88.0	84.9	81.9	78.8	75.7
ofe	60	107.3	104.3	101.2	98.1	95.0	91.9	88.9	85.8	82.7	79.6	76.5	73.4	70.4
LS	50	102.4	99.3	96.2	93.2	90.1	87.0	83.9	80.8	77.8	74.7	71.6	68.5	65.4
/ea	40	97.5	94.4	91.3	88.2	85.1	82.1	79.0	75.9	72.8	69.7	66.6	63.6	60.5
53	30	92.1	89.0	86.0	82.9	79.8	76.7	73.6	70.6	67.5	64.4	61.3	58.2	55.1
o 1	20	85.8	82.7	79.6	76.6	73.5	70.4	67.3	64.2	61.1	58.1	55.0	51.9	48.8
11	15	81.8	78.8	75.7	72.6	69.5	66.4	63.4	60.3	57.2	54.1	51.0	47.9	44.9
	10	77.1	74.0	70.9	67.9	64.8	61.7	58.6	55.5	52.4	49.4	46.3	43.2	40.1
	5	70.0	66.9	63.8	60.7	57.7	54.6	51.5	48.4	45.3	42.2	39.2	36.1	33.0

							A	ge (Years)					
	Percentile	18-22	23–27	28-32	33-37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	131.6	130.5	129.4	128.3	127.2	126.1	125.0	123.9	122.8	121.7	120.6	119.5	118.4
	90	124.0	122.9	121.8	120.7	119.6	118.5	117.4	116.3	115.2	114.1	113.0	111.9	110.8
_	85	119.0	117.9	116.8	115.7	114.6	113.5	112.4	111.3	110.2	109.1	108.0	106.9	105.8
>12 years of education	80	114.8	113.7	112.6	111.5	110.4	109.3	108.2	107.1	106.0	104.9	103.8	102.7	101.6
Ical	70	108.1	107.0	105.9	104.8	103.7	102.6	101.5	100.4	99.3	98.2	97.1	96.0	94.9
pa	60	102.4	101.3	100.2	99.1	98.0	96.9	95.8	94.7	93.6	92.5	91.4	90.3	89.2
ofe	50	97.2	96.1	95.0	93.9	92.8	91.7	90.6	89.5	88.4	87.3	86.2	85.1	84.0
IS	40	91.9	90.8	89.7	88.6	87.5	86.4	85.3	84.2	83.1	82.0	80.9	79.8	78.7
/ea	30	86.3	85.2	84.1	83.0	81.9	80.8	79.7	78.6	77.5	76.4	75.3	74.2	73.1
6	20	79.6	78.5	77.4	76.3	75.2	74.1	73.0	71.9	70.7	69.6	68.5	67.4	66.3
$\overline{}$	15	75.4	74.3	73.2	72.1	71.0	69.9	68.8	67.7	66.6	65.5	64.4	63.2	62.1
	10	70.3	69.2	68.1	67.0	65.9	64.8	63.7	62.6	61.5	60.4	59.3	58.2	57.1
	5	62.8	61.7	60.6	59.5	58.4	57.3	56.2	55.1	54.0	52.9	51.8	50.7	49.6
	95	106.6	105.5	104.4	103.3	102.2	101.1	100.0	98.9	97.8	96.7	95.6	94.5	93.4
	90	99.1	98.0	96.9	95.8	94.7	93.6	92.5	91.4	90.3	89.2	88.1	87.0	85.9
uc	85	94.0	92.9	91.8	90.7	89.6	88.5	87.4	86.3	85.2	84.1	83.0	81.9	80.8
years of education	80	89.8	88.7	87.6	86.5	85.4	84.3	83.2	82.1	81.0	79.9	78.8	77.7	76.6
luc	70	83.1	82.0	80.9	79.8	78.7	77.6	76.5	75.4	74.3	73.2	72.1	71.0	69.9
ğ	60	77.5	76.4	75.3	74.2	73.1	72.0	70.9	69.8	68.7	67.6	66.5	65.4	64.2
of	50	72.2	71.1	70.0	68.9	67.8	66.7	65.6	64.5	63.4	62.3	61.2	60.1	59.0
ars	40	67.0	65.9	64.8	63.7	62.6	61.5	60.4	59.3	58.2	57.1	56.0	54.9	53.8
y	30	61.3	60.2	59.1	58.0	56.9	55.8	54.7	53.6	52.5	51.4	50.3	49.2	48.1
to 12	20	54.6	53.5	52.4	51.3	50.2	49.1	48.0	46.9	45.8	44.7	43.6	42.5	41.4
to	15	50.4	49.3	48.2	47.1	46.0	44.9	43.8	42.7	41.6	40.5	39.4	38.3	37.2
1	10	45.4	44.3	43.2	42.1	41.0	39.9	38.8	37.7	36.6	35.5	34.4	33.3	32.2
	5	37.8	36.7	35.6	34.5	33.4	32.3	31.2	30.1	29.0	27.9	26.8	25.7	24.6

 Table A5

 Normative data for the Stroop-Word stratified by age and education levels for El SALVADOR

 Table A6

 Normative data for the Stroop-Word stratified by age and education levels for GUATEMALA

							A	ge (Years)					
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	137.7	135.6	133.6	131.5	129.5	127.5	125.4	123.4	121.3	119.3	117.3	115.2	113.2
	90	130.6	128.5	126.5	124.5	122.4	120.4	118.3	116.3	114.3	112.2	110.2	108.1	106.1
c	85	125.9	123.8	121.8	119.7	117.7	115.7	113.6	111.6	109.6	107.5	105.5	103.4	101.4
>12 years of education	80	121.9	119.9	117.9	115.8	113.8	111.7	109.7	107.7	105.6	103.6	101.5	99.5	97.5
Ica	70	115.7	113.6	111.6	109.5	107.5	105.5	103.4	101.4	99.3	97.3	95.3	93.2	91.2
edt	60	110.3	108.3	106.3	104.2	102.2	100.2	98.1	96.1	94.0	92.0	90.0	87.9	85.9
of	50	105.4	103.4	101.4	99.3	97.3	95.2	93.2	91.2	89.1	87.1	85.0	83.0	81.0
ILS	40	100.5	98.5	96.4	94.4	92.4	90.3	88.3	86.3	84.2	82.2	80.1	78.1	76.1
yea	30	95.2	93.2	91.1	89.1	87.1	85.0	83.0	81.0	78.9	76.9	74.8	72.8	70.8
12	20	88.9	86.9	84.9	82.8	80.8	78.7	76.7	74.7	72.6	70.6	68.5	66.5	64.5
$\overline{\wedge}$	15	85.0	83.0	80.9	78.9	76.9	74.8	72.8	70.7	68.7	66.7	64.6	62.6	60.5
	10	80.3	78.3	76.2	74.2	72.1	70.1	68.1	66.0	64.0	61.9	59.9	57.9	55.8
	5	73.2	71.2	69.1	67.1	65.1	63.0	61.0	59.0	56.9	54.9	52.8	50.8	48.8
	95	123.6	121.5	119.5	117.5	115.4	113.4	111.3	109.3	107.3	105.2	103.2	101.2	99.1
	90	116.5	114.5	112.4	110.4	108.4	106.3	104.3	102.2	100.2	98.2	96.1	94.1	92.0
uc	85	111.8	109.8	107.7	105.7	103.6	101.6	99.6	97.5	95.5	93.4	91.4	89.4	87.3
atic	80	107.9	105.8	103.8	101.8	99.7	97.7	95.6	93.6	91.6	89.5	87.5	85.4	83.4
luc	70	101.6	99.5	97.5	95.5	93.4	91.4	89.3	87.3	85.3	83.2	81.2	79.2	77.1
1 to 12 years of education	60	96.3	94.2	92.2	90.2	88.1	86.1	84.0	82.0	80.0	77.9	75.9	73.8	71.8
so	50	91.4	89.3	87.3	85.3	83.2	81.2	79.1	77.1	75.1	73.0	71.0	68.9	66.9
ear	40	86.5	84.4	82.4	80.3	78.3	76.3	74.2	72.2	70.1	68.1	66.1	64.0	62.0
کر ک	30	81.2	79.1	77.1	75.0	73.0	71.0	68.9	66.9	64.8	62.8	60.8	58.7	56.7
Ę	20	74.9	72.8	70.8	68.8	66.7	64.7	62.6	60.6	58.6	56.5	54.5	52.4	50.4
1 tc	15	70.9	68.9	66.9	64.8	62.8	60.7	58.7	56.7	54.6	52.6	50.6	48.5	46.5
	10	66.2	64.2	62.1	60.1	58.1	56.0	54.0	52.0	49.9	47.9	45.8	43.8	41.8
	5	59.2	57.1	55.1	53.0	51.0	49.0	46.9	44.9	42.8	40.8	38.8	36.7	34.7

					1		Δ	ge (Years))					
	Percentile	18-22	23–27	28-32	33–37	38–42	43-47	48–52	53–57	58–62	63–67	68–72	73–77	>77
	95	129.5	126.6	123.7	120.9	118.0	115.1	112.3	109.4	106.5	103.7	100.8	97.9	95.1
	90	122.0	119.1	116.2	113.4	110.5	107.6	104.8	101.9	99.0	96.2	93.3	90.4	87.6
-	85	116.9	114.1	111.2	108.3	105.5	102.6	99.7	96.9	94.0	91.1	88.3	85.4	82.5
>12 years of education	80	112.8	109.9	107.0	104.2	101.3	98.4	95.6	92.7	89.8	87.0	84.1	81.2	78.4
Ica	70	106.1	103.2	100.3	97.5	94.6	91.7	88.9	86.0	83.1	80.3	77.4	74.6	71.7
edt	60	100.4	97.6	94.7	91.8	89.0	86.1	83.2	80.4	77.5	74.6	71.8	68.9	66.0
ofe	50	95.2	92.4	89.5	86.6	83.8	80.9	78.0	75.2	72.3	69.4	66.6	63.7	60.8
IIS	40	90.0	87.1	84.3	81.4	78.5	75.7	72.8	69.9	67.1	64.2	61.3	58.5	55.6
yea	30	84.4	81.5	78.6	75.8	72.9	70.0	67.2	64.3	61.4	58.6	55.7	52.8	50.0
5	20	77.7	74.8	71.9	69.1	66.2	63.3	60.5	57.6	54.7	51.9	49.0	46.1	43.3
\mathbf{A}	15	73.5	70.6	67.8	64.9	62.0	59.2	56.3	53.4	50.6	47.7	44.8	42.0	39.1
	10	68.5	65.6	62.7	59.9	57.0	54.2	51.3	48.4	45.6	42.7	39.8	37.0	34.1
	5	61.0	58.1	55.2	52.4	49.5	46.6	43.8	40.9	38.0	35.2	32.3	29.4	26.6
	95	111.7	108.9	106.0	103.1	100.3	97.4	94.5	91.7	88.8	85.9	83.1	80.2	77.4
	90	104.2	101.4	98.5	95.6	92.8	89.9	87.0	84.2	81.3	78.4	75.6	72.7	69.8
on	85	99.2	96.3	93.5	90.6	87.7	84.9	82.0	79.1	76.3	73.4	70.6	67.7	64.8
Cati	80	95.0	92.2	89.3	86.4	83.6	80.7	77.8	75.0	72.1	69.2	66.4	63.5	60.6
p	70	88.4	85.5	82.6	79.8	76.9	74.0	71.2	68.3	65.4	62.6	59.7	56.8	54.0
fe	60	82.7	79.8	77.0	74.1	71.2	68.4	65.5	62.6	59.8	56.9	54.1	51.2	48.3
s	50	77.5	74.6	71.8	68.9	66.0	63.2	60.3	57.4	54.6	51.7	48.8	46.0	43.1
ea	40	72.3	69.4	66.5	63.7	60.8	57.9	55.1	52.2	49.3	46.5	43.6	40.7	37.9
1 to 12 years of education	30	66.6	63.8	60.9	58.0	55.2	52.3	49.4	46.6	43.7	40.8	38.0	35.1	32.2
01	20	59.9	57.1	54.2	51.3	48.5	45.6	42.7	39.9	37.0	34.2	31.3	28.4	25.6
1 t	15	55.8	52.9	50.0	47.2	44.3	41.4	38.6	35.7	32.8	30.0	27.1	24.2	21.4
	10	50.8	47.9	45.0	42.2	39.3	36.4	33.6	30.7	27.8	25.0	22.1	19.2	16.4
	5	43.2	40.4	37.5	34.6	31.8	28.9	26.0	23.2	20.3	17.4	14.6	11.7	8.8

 Table A7

 Normative data for the Stroop-Word stratified by age and education levels for HONDURAS

Table A8 Normative data for the Stroop-Word stratified by age and education levels for MEXICO

							А	ge (Years)					
	Percentile	18-22	23-27	28-32	33-37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	137.6	135.1	132.7	130.2	127.7	125.2	122.8	120.3	117.8	115.4	112.9	110.4	108.0
	90	130.8	128.4	125.9	123.4	121.0	118.5	116.0	113.6	111.1	108.6	106.2	103.7	101.2
ц	85	126.4	123.9	121.4	118.9	116.5	114.0	111.5	109.1	106.6	104.1	101.7	99.2	96.7
years of education	80	122.6	120.1	117.7	115.2	112.7	110.3	107.8	105.3	102.9	100.4	97.9	95.4	93.0
nce	70	116.6	114.1	111.7	109.2	106.7	104.3	101.8	99.3	96.9	94.4	91.9	89.5	87.0
eq	60	111.6	109.1	106.6	104.2	101.7	99.2	96.7	94.3	91.8	89.3	86.9	84.4	81.9
of	50	106.9	104.4	101.9	99.5	97.0	94.5	92.1	89.6	87.1	84.7	82.2	79.7	77.3
ars	40	102.2	99.7	97.3	94.8	92.3	89.9	87.4	84.9	82.4	80.0	77.5	75.0	72.6
c ye	30	97.1	94.7	92.2	89.7	87.3	84.8	82.3	79.9	77.4	74.9	72.5	70.0	67.5
>12	20	91.2	88.7	86.2	83.7	81.3	78.8	76.3	73.9	71.4	68.9	66.5	64.0	61.5
~	15	87.4	84.9	82.5	80.0	77.5	75.1	72.6	70.1	67.7	65.2	62.7	60.2	57.8
	10	82.9	80.4	78.0	75.5	73.0	70.6	68.1	65.6	63.2	60.7	58.2	55.8	53.3
	5	76.2	73.7	71.2	68.8	66.3	63.8	61.4	58.9	56.4	54.0	51.5	49.0	46.5
	95	128.5	126.1	123.6	121.1	118.6	116.2	113.7	111.2	108.8	106.3	103.8	101.4	98.9
	90	121.8	119.3	116.8	114.4	111.9	109.4	107.0	104.5	102.0	99.6	97.1	94.6	92.2
ion	85	117.3	114.8	112.4	109.9	107.4	104.9	102.5	100.0	97.5	95.1	92.6	90.1	87.7
to 12 years of education	80	113.5	111.1	108.6	106.1	103.7	101.2	98.7	96.3	93.8	91.3	88.9	86.4	83.9
qui	70	107.6	105.1	102.6	100.1	97.7	95.2	92.7	90.3	87.8	85.3	82.9	80.4	77.9
ofe	60	102.5	100.0	97.6	95.1	92.6	90.2	87.7	85.2	82.7	80.3	77.8	75.3	72.9
LS C	50	97.8	95.4	92.9	90.4	87.9	85.5	83.0	80.5	78.1	75.6	73.1	70.7	68.2
/ea	40	93.1	90.7	88.2	85.7	83.3	80.8	78.3	75.9	73.4	70.9	68.4	66.0	63.5
5	30	88.1	85.6	83.1	80.7	78.2	75.7	73.3	70.8	68.3	65.9	63.4	60.9	58.5
ю]	20	82.1	79.6	77.2	74.7	72.2	69.7	67.3	64.8	62.3	59.9	57.4	54.9	52.5
1	15	78.3	75.9	73.4	70.9	68.5	66.0	63.5	61.1	58.6	56.1	53.7	51.2	48.7
	10	73.9	71.4	68.9	66.4	64.0	61.5	59.0	56.6	54.1	51.6	49.2	46.7	44.2
	5	67.1	64.6	62.2	59.7	57.2	54.8	52.3	49.8	47.4	44.9	42.4	40.0	37.5

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							A	Age (Years	3)					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	115.0	113.8	112.6	111.4	110.2	109.0	107.8	106.6	105.4	104.1	102.9	101.7	100.5
	90	111.0	109.8	108.6	107.3	106.1	104.9	103.7	102.5	101.3	100.1	98.9	97.7	96.5
-	85	108.3	107.1	105.9	104.6	103.4	102.2	101.0	99.8	98.6	97.4	96.2	95.0	93.8
Ę.	80	106.0	104.8	103.6	102.4	101.2	100.0	98.8	97.6	96.4	95.1	93.9	92.7	91.5
>12 years of education	70	102.4	101.2	100.0	98.8	97.6	96.4	95.2	94.0	92.8	91.6	90.3	89.1	87.9
sdr	60	99.4	98.2	97.0	95.8	94.6	93.3	92.1	90.9	89.7	88.5	87.3	86.1	84.9
of	50	96.6	95.4	94.2	93.0	91.7	90.5	89.3	88.1	86.9	85.7	84.5	83.3	82.1
LS	40	93.8	92.6	91.3	90.1	88.9	87.7	86.5	85.3	84.1	82.9	81.7	80.5	79.3
yea	30	90.7	89.5	88.3	87.1	85.9	84.7	83.5	82.3	81.1	79.9	78.6	77.4	76.2
2	20	87.1	85.9	84.7	83.5	82.3	81.1	79.9	78.7	77.5	76.3	75.0	73.8	72.6
$\overline{}$	15	84.9	83.7	82.5	81.3	80.0	78.8	77.6	76.4	75.2	74.0	72.8	71.6	70.4
	10	82.2	81.0	79.8	78.6	77.3	76.1	74.9	73.7	72.5	71.3	70.1	68.9	67.7
	5	78.1	76.9	75.7	74.5	73.3	72.1	70.9	69.7	68.5	67.3	66.0	64.8	63.6
	95	100.0	98.8	97.6	96.4	95.2	94.0	92.8	91.6	90.4	89.2	88.0	86.8	85.5
	90	96.0	94.8	93.6	92.4	91.2	90.0	88.7	87.5	86.3	85.1	83.9	82.7	81.5
on	85	93.3	92.1	90.9	89.7	88.5	87.3	86.0	84.8	83.6	82.4	81.2	80.0	78.8
äti	80	91.0	89.8	88.6	87.4	86.2	85.0	83.8	82.6	81.4	80.2	79.0	77.8	76.6
duc	70	87.4	86.2	85.0	83.8	82.6	81.4	80.2	79.0	77.8	76.6	75.4	74.2	73.0
fe	60	84.4	83.2	82.0	80.8	79.6	78.4	77.2	76.0	74.7	73.5	72.3	71.1	69.9
o s	50	81.6	80.4	79.2	78.0	76.8	75.6	74.4	73.1	71.9	70.7	69.5	68.3	67.1
ear	40	78.8	77.6	76.4	75.2	74.0	72.7	71.5	70.3	69.1	67.9	66.7	65.5	64.3
2 Z	30	75.8	74.5	73.3	72.1	70.9	69.7	68.5	67.3	66.1	64.9	63.7	62.5	61.3
1 to 12 years of education	20	72.2	70.9	69.7	68.5	67.3	66.1	64.9	63.7	62.5	61.3	60.1	58.9	57.7
1 tc	15	69.9	68.7	67.5	66.3	65.1	63.9	62.7	61.4	60.2	59.0	57.8	56.6	55.4
	10	67.2	66.0	64.8	63.6	62.4	61.2	60.0	58.7	57.5	56.3	55.1	53.9	52.7
	5	63.2	61.9	60.7	59.5	58.3	57.1	55.9	54.7	53.5	52.3	51.1	49.9	48.7
	2			2.517	2710	2 510		2010	2 117	2010	2 210	2 1 1 1		

 Table A9

 Normative data for the Stroop-Word stratified by age and education levels for PARAGUAY

 Table A10

 Normative data for the Stroop-Word stratified by age and education levels for PERU

							А	ge (Years)					
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	134.6	132.6	130.5	128.5	126.4	124.4	122.3	120.3	118.3	116.2	114.2	112.1	110.1
	90	128.3	126.3	124.3	122.2	120.2	118.1	116.1	114.0	112.0	109.9	107.9	105.8	103.8
ц	85	124.2	122.1	120.1	118.0	116.0	113.9	111.9	109.8	107.8	105.7	103.7	101.6	99.6
>12 years of education	80	120.7	118.6	116.6	114.5	112.5	110.4	108.4	106.3	104.3	102.2	100.2	98.2	96.1
nce	70	115.1	113.0	111.0	108.9	106.9	104.9	102.8	100.8	98.7	96.7	94.6	92.6	90.5
ed	60	110.4	108.3	106.3	104.2	102.2	100.1	98.1	96.0	94.0	92.0	89.9	87.9	85.8
of	50	106.0	104.0	101.9	99.9	97.8	95.8	93.7	91.7	89.6	87.6	85.5	83.5	81.5
ars	40	101.6	99.6	97.6	95.5	93.5	91.4	89.4	87.3	85.3	83.2	81.2	79.1	77.1
ye	30	96.9	94.9	92.8	90.8	88.8	86.7	84.7	82.6	80.6	78.5	76.5	74.4	72.4
12	20	91.4	89.3	87.3	85.2	83.2	81.1	79.1	77.0	75.0	72.9	70.9	68.8	66.8
~	15	87.9	85.8	83.8	81.7	79.7	77.6	75.6	73.5	71.5	69.4	67.4	65.4	63.3
	10	83.7	81.6	79.6	77.5	75.5	73.4	71.4	69.4	67.3	65.3	63.2	61.2	59.1
	5	77.4	75.4	73.3	71.3	69.2	67.2	65.1	63.1	61.0	59.0	56.9	54.9	52.8
	95	124.5	122.4	120.4	118.3	116.3	114.2	112.2	110.1	108.1	106.1	104.0	102.0	99.9
	90	118.2	116.1	114.1	112.1	110.0	108.0	105.9	103.9	101.8	99.8	97.7	95.7	93.6
uo	85	114.0	112.0	109.9	107.9	105.8	103.8	101.7	99.7	97.6	95.6	93.5	91.5	89.4
1 to 12 years of education	80	110.5	108.5	106.4	104.4	102.3	100.3	98.2	96.2	94.1	92.1	90.1	88.0	86.0
qué	70	104.9	102.9	100.8	98.8	96.7	94.7	92.7	90.6	88.6	86.5	84.5	82.4	80.4
fe	60	100.2	98.2	96.1	94.1	92.0	90.0	87.9	85.9	83.9	81.8	79.8	77.7	75.7
LS C	50	95.9	93.8	91.8	89.7	87.7	85.6	83.6	81.5	79.5	77.4	75.4	73.3	71.3
/eai	40	91.5	89.5	87.4	85.4	83.3	81.3	79.2	77.2	75.1	73.1	71.0	69.0	66.9
23	30	86.8	84.7	82.7	80.6	78.6	76.6	74.5	72.5	70.4	68.4	66.3	64.3	62.2
0 1	20	81.2	79.2	77.1	75.1	73.0	71.0	68.9	66.9	64.8	62.8	60.7	58.7	56.6
11	15	77.7	75.7	73.6	71.6	69.5	67.5	65.4	63.4	61.3	59.3	57.3	55.2	53.2
	10	73.5	71.5	69.4	67.4	65.3	63.3	61.2	59.2	57.2	55.1	53.1	51.0	49.0
	5	67.2	65.2	63.2	61.1	59.1	57.0	55.0	52.9	50.9	48.8	46.8	44.7	42.7

							А	ge (Years)					
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	135.8	133.4	131.1	128.7	126.3	124.0	121.6	119.2	116.9	114.5	112.2	109.8	107.4
	90	129.3	126.9	124.6	122.2	119.8	117.5	115.1	112.7	110.4	108.0	105.6	103.3	100.9
c	85	125.0	122.6	120.2	117.9	115.5	113.1	110.8	108.4	106.0	103.7	101.3	98.9	96.6
>12 years of education	80	121.3	119.0	116.6	114.2	111.9	109.5	107.1	104.8	102.4	100.1	97.7	95.3	93.0
Ica	70	115.5	113.2	110.8	108.5	106.1	103.7	101.4	99.0	96.6	94.3	91.9	89.5	87.2
edu	60	110.7	108.3	105.9	103.6	101.2	98.8	96.5	94.1	91.7	89.4	87.0	84.7	82.3
ofe	50	106.1	103.8	101.4	99.1	96.7	94.3	92.0	89.6	87.2	84.9	82.5	80.1	77.8
IS	40	101.6	99.3	96.9	94.5	92.2	89.8	87.4	85.1	82.7	80.3	78.0	75.6	73.2
vea	30	96.7	94.4	92.0	89.6	87.3	84.9	82.6	80.2	77.8	75.5	73.1	70.7	68.4
2	20	91.0	88.6	86.2	83.9	81.5	79.1	76.8	74.4	72.0	69.7	67.3	64.9	62.6
$\overline{}$	15	87.3	85.0	82.6	80.2	77.9	75.5	73.1	70.8	68.4	66.1	63.7	61.3	59.0
	10	83.0	80.6	78.3	75.9	73.5	71.2	68.8	66.4	64.1	61.7	59.4	57.0	54.6
	5	76.5	74.1	71.8	69.4	67.0	64.7	62.3	59.9	57.6	55.2	52.8	50.5	48.1
	95	128.1	125.8	123.4	121.1	118.7	116.3	114.0	111.6	109.2	106.9	104.5	102.1	99.8
	90	121.6	119.3	116.9	114.5	112.2	109.8	107.4	105.1	102.7	100.4	98.0	95.6	93.3
uo	85	117.3	114.9	112.6	110.2	107.8	105.5	103.1	100.7	98.4	96.0	93.7	91.3	88.9
to 12 years of education	80	113.7	111.3	109.0	106.6	104.2	101.9	99.5	97.1	94.8	92.4	90.0	87.7	85.3
Iuc	70	107.9	105.5	103.2	100.8	98.4	96.1	93.7	91.3	89.0	86.6	84.2	81.9	79.5
Ę	60	103.0	100.6	98.3	95.9	93.6	91.2	88.8	86.5	84.1	81.7	79.4	77.0	74.6
ō	50	98.5	96.1	93.8	91.4	89.0	86.7	84.3	81.9	79.6	77.2	74.8	72.5	70.1
car	40	94.0	91.6	89.2	86.9	84.5	82.1	79.8	77.4	75.1	72.7	70.3	68.0	65.6
ý	30	89.1	86.7	84.4	82.0	79.6	77.3	74.9	72.5	70.2	67.8	65.4	63.1	60.7
12	20	83.3	80.9	78.6	76.2	73.8	71.5	69.1	66.7	64.4	62.0	59.7	57.3	54.9
to	15	79.7	77.3	75.0	72.6	70.2	67.9	65.5	63.1	60.8	58.4	56.0	53.7	51.3
1	10	75.3	73.0	70.6	68.2	65.9	63.5	61.2	58.8	56.4	54.1	51.7	49.3	47.0
	5	68.8	66.5	64.1	61.7	59.4	57.0	54.6	52.3	49.9	47.6	45.2	42.8	40.5

 Table A11

 Normative data for the Stroop-Word stratified by age and education levels for PUERTO RICO

 Table A12

 Normative data for the Stroop-Color stratified by age and education levels for ARGENTINA

							А	ge (Years))					
	Percentile	18-22	23-27	28-32	33–37	38–42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	98.0	96.7	95.4	94.2	92.9	91.6	90.4	89.1	87.8	86.5	85.3	84.0	82.7
	90	93.4	92.1	90.8	89.6	88.3	87.0	85.7	84.5	83.2	81.9	80.7	79.4	78.1
c	85	90.3	89.0	87.7	86.5	85.2	83.9	82.7	81.4	80.1	78.9	77.6	76.3	75.0
>12 years of education	80	87.7	86.5	85.2	83.9	82.6	81.4	80.1	78.8	77.6	76.3	75.0	73.7	72.5
Ica	70	83.6	82.3	81.1	79.8	78.5	77.3	76.0	74.7	73.5	72.2	70.9	69.6	68.4
edt	60	80.2	78.9	77.6	76.3	75.1	73.8	72.5	71.3	70.0	68.7	67.5	66.2	64.9
ofo	50	77.0	75.7	74.4	73.1	71.9	70.6	69.3	68.1	66.8	65.5	64.2	63.0	61.7
urs	40	73.7	72.5	71.2	69.9	68.7	67.4	66.1	64.9	63.6	62.3	61.0	59.8	58.5
ye	30	70.3	69.0	67.7	66.5	65.2	63.9	62.7	61.4	60.1	58.9	57.6	56.3	55.0
12	20	66.2	64.9	63.6	62.4	61.1	59.8	58.6	57.3	56.0	54.7	53.5	52.2	50.9
\wedge	15	63.6	62.3	61.1	59.8	58.5	57.3	56.0	54.7	53.5	52.2	50.9	49.6	48.4
	10	60.5	59.3	58.0	56.7	55.5	54.2	52.9	51.6	50.4	49.1	47.8	46.6	45.3
	5	55.9	54.7	53.4	52.1	50.8	49.6	48.3	47.0	45.8	44.5	43.2	41.9	40.7
	95	90.9	89.6	88.4	87.1	85.8	84.5	83.3	82.0	80.7	79.5	78.2	76.9	75.6
	90	86.3	85.0	83.7	82.5	81.2	79.9	78.7	77.4	76.1	74.8	73.6	72.3	71.0
on	85	83.2	81.9	80.7	79.4	78.1	76.9	75.6	74.3	73.0	71.8	70.5	69.2	68.0
ati	80	80.6	79.4	78.1	76.8	75.6	74.3	73.0	71.7	70.5	69.2	67.9	66.7	65.4
Juc	70	76.5	75.3	74.0	72.7	71.5	70.2	68.9	67.6	66.4	65.1	63.8	62.6	61.3
fe	60	73.1	71.8	70.5	69.3	68.0	66.7	65.5	64.2	62.9	61.6	60.4	59.1	57.8
s o	50	69.9	68.6	67.3	66.1	64.8	63.5	62.2	61.0	59.7	58.4	57.2	55.9	54.6
to 12 years of education	40	66.7	65.4	64.1	62.9	61.6	60.3	59.0	57.8	56.5	55.2	54.0	52.7	51.4
Š	30	63.2	61.9	60.7	59.4	58.1	56.9	55.6	54.3	53.0	51.8	50.5	49.2	48.0
1	20	59.1	57.8	56.6	55.3	54.0	52.7	51.5	50.2	48.9	47.7	46.4	45.1	43.9
1 tc	15	56.5	55.3	54.0	52.7	51.5	50.2	48.9	47.6	46.4	45.1	43.8	42.6	41.3
	10	53.5	52.2	50.9	49.6	48.4	47.1	45.8	44.6	43.3	42.0	40.8	39.5	38.2
	5	48.8	47.6	46.3	45.0	43.8	42.5	41.2	39.9	38.7	37.4	36.1	34.9	33.6

							А	ge (Years)	1					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	111.0	108.0	105.0	101.9	98.9	95.9	92.9	89.8	86.8	83.8	80.7	77.7	74.7
	90	104.9	101.9	98.8	95.8	92.8	89.8	86.7	83.7	80.7	77.6	74.6	71.6	68.5
-	85	100.8	97.8	94.8	91.7	88.7	85.7	82.6	79.6	76.6	73.5	70.5	67.5	64.4
tio1	80	97.4	94.4	91.3	88.3	85.3	82.2	79.2	76.2	73.2	70.1	67.1	64.1	61.0
Ica	70	91.9	88.9	85.9	82.9	79.8	76.8	73.8	70.7	67.7	64.7	61.6	58.6	55.6
pa	60	87.3	84.3	81.3	78.3	75.2	72.2	69.2	66.1	63.1	60.1	57.0	54.0	51.0
>12 years of education	50	83.1	80.1	77.0	74.0	71.0	67.9	64.9	61.9	58.8	55.8	52.8	49.7	46.7
IS	40	78.8	75.8	72.8	69.7	66.7	63.7	60.6	57.6	54.6	51.5	48.5	45.5	42.5
/ea	30	74.2	71.2	68.2	65.1	62.1	59.1	56.0	53.0	50.0	46.9	43.9	40.9	37.9
6	20	68.8	65.7	62.7	59.7	56.6	53.6	50.6	47.6	44.5	41.5	38.5	35.4	32.4
$\overline{}$	15	65.4	62.3	59.3	56.3	53.2	50.2	47.2	44.1	41.1	38.1	35.1	32.0	29.0
	10	61.3	58.2	55.2	52.2	49.1	46.1	43.1	40.1	37.0	34.0	31.0	27.9	24.9
	5	55.1	52.1	49.1	46.0	43.0	40.0	36.9	33.9	30.9	27.9	24.8	21.8	18.8
	95	101.7	98.7	95.7	92.6	89.6	86.6	83.6	80.5	77.5	74.5	71.4	68.4	65.4
	90	95.6	92.6	89.5	86.5	83.5	80.4	77.4	74.4	71.4	68.3	65.3	62.3	59.2
uo	85	91.5	88.5	85.4	82.4	79.4	76.4	73.3	70.3	67.3	64.2	61.2	58.2	55.1
years of education	80	88.1	85.1	82.0	79.0	76.0	72.9	69.9	66.9	63.9	60.8	57.8	54.8	51.7
luc	70	82.6	79.6	76.6	73.6	70.5	67.5	64.5	61.4	58.4	55.4	52.3	49.3	46.3
ğ	60	78.0	75.0	72.0	69.0	65.9	62.9	59.9	56.8	53.8	50.8	47.7	44.7	41.7
5	50	73.8	70.8	67.7	64.7	61.7	58.6	55.6	52.6	49.5	46.5	43.5	40.4	37.4
ars	40	69.5	66.5	63.5	60.4	57.4	54.4	51.3	48.3	45.3	42.2	39.2	36.2	33.2
ye	30	64.9	61.9	58.9	55.8	52.8	49.8	46.7	43.7	40.7	37.6	34.6	31.6	28.6
to 12	20	59.5	56.4	53.4	50.4	47.3	44.3	41.3	38.2	35.2	32.2	29.2	26.1	23.1
to	15	56.1	53.0	50.0	47.0	43.9	40.9	37.9	34.8	31.8	28.8	25.7	22.7	19.7
1	10	52.0	48.9	45.9	42.9	39.8	36.8	33.8	30.7	27.7	24.7	21.7	18.6	15.6
	5	45.8	42.8	39.8	36.7	33.7	30.7	27.6	24.6	21.6	18.6	15.5	12.5	9.5

Table A13 Normative data for the Stroop-Color stratified by age and education levels for BOLIVIA

 Table A14

 Normative data for the Stroop-Color stratified by age and education levels for CHILE

							Α	ge (Years)	1					
	Percentile	18-22	23-27	28-32	33-37	38-42	43-47	48-52	53-57	58-62	63–67	68-72	73–77	>77
	95	102.3	100.2	98.0	95.9	93.7	91.6	89.4	87.2	85.1	82.9	80.8	78.6	76.5
	90	97.6	95.4	93.3	91.1	89.0	86.8	84.7	82.5	80.3	78.2	76.0	73.9	71.7
c	85	94.4	92.3	90.1	88.0	85.8	83.6	81.5	79.3	77.2	75.0	72.9	70.7	68.5
>12 years of education	80	91.8	89.6	87.5	85.3	83.2	81.0	78.8	76.7	74.5	72.4	70.2	68.1	65.9
Ica	70	87.6	85.4	83.2	81.1	78.9	76.8	74.6	72.5	70.3	68.2	66.0	63.8	61.7
edt	60	84.0	81.8	79.7	77.5	75.4	73.2	71.1	68.9	66.7	64.6	62.4	60.3	58.1
of	50	80.7	78.5	76.4	74.2	72.1	69.9	67.8	65.6	63.4	61.3	59.1	57.0	54.8
urs	40	77.4	75.2	73.1	70.9	68.8	66.6	64.5	62.3	60.1	58.0	55.8	53.7	51.5
ye	30	73.8	71.7	69.5	67.4	65.2	63.1	60.9	58.7	56.6	54.4	52.3	50.1	48.0
12	20	69.6	67.5	65.3	63.1	61.0	58.8	56.7	54.5	52.4	50.2	48.1	45.9	43.7
Λ	15	67.0	64.8	62.7	60.5	58.3	56.2	54.0	51.9	49.7	47.6	45.4	43.3	41.1
	10	63.8	61.7	59.5	57.3	55.2	53.0	50.9	48.7	46.6	44.4	42.2	40.1	37.9
	5	59.1	56.9	54.7	52.6	50.4	48.3	46.1	44.0	41.8	39.7	37.5	35.3	33.2
	95	90.3	88.1	86.0	83.8	81.7	79.5	77.3	75.2	73.0	70.9	68.7	66.6	64.4
	90	85.5	83.4	81.2	79.1	76.9	74.8	72.6	70.4	68.3	66.1	64.0	61.8	59.7
on	85	82.4	80.2	78.1	75.9	73.7	71.6	69.4	67.3	65.1	63.0	60.8	58.7	56.5
ati	80	79.7	77.6	75.4	73.3	71.1	68.9	66.8	64.6	62.5	60.3	58.2	56.0	53.9
duc	70	75.5	73.3	71.2	69.0	66.9	64.7	62.6	60.4	58.3	56.1	53.9	51.8	49.6
fe	60	71.9	69.8	67.6	65.5	63.3	61.2	59.0	56.9	54.7	52.5	50.4	48.2	46.1
s	50	68.6	66.5	64.3	62.2	60.0	57.9	55.7	53.6	51.4	49.2	47.1	44.9	42.8
ear	40	65.3	63.2	61.0	58.9	56.7	54.6	52.4	50.3	48.1	45.9	43.8	41.6	39.5
l to 12 years of education	30	61.8	59.6	57.5	55.3	53.2	51.0	48.8	46.7	44.5	42.4	40.2	38.1	35.9
01	20	57.6	55.4	53.2	51.1	48.9	46.8	44.6	42.5	40.3	38.2	36.0	33.8	31.7
1 t	15	54.9	52.8	50.6	48.5	46.3	44.1	42.0	39.8	37.7	35.5	33.4	31.2	29.0
	10	51.8	49.6	47.4	45.3	43.1	41.0	38.8	36.7	34.5	32.3	30.2	28.0	25.9
	5	47.0	44.8	42.7	40.5	38.4	36.2	34.1	31.9	29.8	27.6	25.4	23.3	21.1

							А	ge (Years))					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	110.2	107.7	105.2	102.7	100.3	97.8	95.3	92.8	90.4	87.9	85.4	83.0	80.5
	90	104.2	101.7	99.2	96.7	94.3	91.8	89.3	86.8	84.4	81.9	79.4	77.0	74.5
-	85	100.2	97.7	95.2	92.7	90.3	87.8	85.3	82.9	80.4	77.9	75.4	73.0	70.5
tioi	80	96.8	94.4	91.9	89.4	86.9	84.5	82.0	79.5	77.0	74.6	72.1	69.6	67.2
Ica	70	91.5	89.0	86.6	84.1	81.6	79.1	76.7	74.2	71.7	69.2	66.8	64.3	61.8
pa	60	87.0	84.5	82.1	79.6	77.1	74.6	72.2	69.7	67.2	64.7	62.3	59.8	57.3
>12 years of education	50	82.8	80.4	77.9	75.4	72.9	70.5	68.0	65.5	63.1	60.6	58.1	55.6	53.2
IS	40	78.7	76.2	73.7	71.3	68.8	66.3	63.8	61.4	58.9	56.4	53.9	51.5	49.0
/ea	30	74.2	71.7	69.2	66.8	64.3	61.8	59.3	56.9	54.4	51.9	49.5	47.0	44.5
6	20	68.9	66.4	63.9	61.4	59.0	56.5	54.0	51.5	49.1	46.6	44.1	41.6	39.2
$\overline{}$	15	65.5	63.0	60.6	58.1	55.6	53.2	50.7	48.2	45.7	43.3	40.8	38.3	35.8
	10	61.5	59.0	56.6	54.1	51.6	49.2	46.7	44.2	41.7	39.3	36.8	34.3	31.8
	5	55.5	53.1	50.6	48.1	45.6	43.2	40.7	38.2	35.7	33.3	30.8	28.3	25.9
	95	102.4	99.9	97.4	94.9	92.5	90.0	87.5	85.1	82.6	80.1	77.6	75.2	72.7
	90	96.4	93.9	91.4	88.9	86.5	84.0	81.5	79.1	76.6	74.1	71.6	69.2	66.7
uo	85	92.4	89.9	87.4	85.0	82.5	80.0	77.5	75.1	72.6	70.1	67.6	65.2	62.7
ati	80	89.0	86.6	84.1	81.6	79.1	76.7	74.2	71.7	69.3	66.8	64.3	61.8	59.4
to 12 years of education	70	83.7	81.2	78.8	76.3	73.8	71.3	68.9	66.4	63.9	61.5	59.0	56.5	54.0
ğ	60	79.2	76.7	74.3	71.8	69.3	66.8	64.4	61.9	59.4	57.0	54.5	52.0	49.5
50	50	75.0	72.6	70.1	67.6	65.2	62.7	60.2	57.7	55.3	52.8	50.3	47.8	45.4
ars	40	70.9	68.4	65.9	63.5	61.0	58.5	56.0	53.6	51.1	48.6	46.2	43.7	41.2
ye	30	66.4	63.9	61.4	59.0	56.5	54.0	51.5	49.1	46.6	44.1	41.7	39.2	36.7
12	20	61.1	58.6	56.1	53.6	51.2	48.7	46.2	43.7	41.3	38.8	36.3	33.9	31.4
to	15	57.7	55.3	52.8	50.3	47.8	45.4	42.9	40.4	37.9	35.5	33.0	30.5	28.1
1	10	53.7	51.3	48.8	46.3	43.8	41.4	38.9	36.4	33.9	31.5	29.0	26.5	24.1
	5	47.7	45.3	42.8	40.3	37.8	35.4	32.9	30.4	27.9	25.5	23.0	20.5	18.1

 Table A15

 Normative data for the Stroop-Color stratified by age and education levels for CUBA

 Table A16

 Normative data for the Stroop-Color stratified by age and education levels for EL SALVADOR

							А	ge (Years))					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	96.4	95.2	93.9	92.7	91.4	90.1	88.9	87.6	86.4	85.1	83.9	82.6	81.3
	90	90.2	89.0	87.7	86.4	85.2	83.9	82.7	81.4	80.2	78.9	77.6	76.4	75.1
-	85	86.1	84.8	83.6	82.3	81.0	79.8	78.5	77.3	76.0	74.8	73.5	72.2	71.0
>12 years of education	80	82.6	81.4	80.1	78.8	77.6	76.3	75.1	73.8	72.6	71.3	70.0	68.8	67.5
Ica	70	77.1	75.8	74.6	73.3	72.1	70.8	69.6	68.3	67.0	65.8	64.5	63.3	62.0
edt	60	72.4	71.2	69.9	68.7	67.4	66.1	64.9	63.6	62.4	61.1	59.9	58.6	57.3
ofo	50	68.1	66.9	65.6	64.3	63.1	61.8	60.6	59.3	58.1	56.8	55.5	54.3	53.0
IIS	40	63.8	62.5	61.3	60.0	58.8	57.5	56.3	55.0	53.7	52.5	51.2	50.0	48.7
yea	30	59.1	57.9	56.6	55.4	54.1	52.9	51.6	50.3	49.1	47.8	46.6	45.3	44.1
2	20	53.6	52.4	51.1	49.9	48.6	47.3	46.1	44.8	43.6	42.3	41.1	39.8	38.5
\mathbf{A}	15	50.2	48.9	47.7	46.4	45.1	43.9	42.6	41.4	40.1	38.9	37.6	36.3	35.1
	10	46.0	44.8	43.5	42.3	41.0	39.7	38.5	37.2	36.0	34.7	33.5	32.2	30.9
	5	39.8	38.6	37.3	36.0	34.8	33.5	32.3	31.0	29.8	28.5	27.2	26.0	24.7
	95	85.6	84.3	83.0	81.8	80.5	79.3	78.0	76.8	75.5	74.2	73.0	71.7	70.5
	90	79.3	78.1	76.8	75.6	74.3	73.1	71.8	70.5	69.3	68.0	66.8	65.5	64.3
on	85	75.2	73.9	72.7	71.4	70.2	68.9	67.7	66.4	65.1	63.9	62.6	61.4	60.1
ati	80	71.8	70.5	69.2	68.0	66.7	65.5	64.2	63.0	61.7	60.4	59.2	57.9	56.7
Juc	70	66.2	65.0	63.7	62.5	61.2	59.9	58.7	57.4	56.2	54.9	53.7	52.4	51.1
fe	60	61.6	60.3	59.1	57.8	56.5	55.3	54.0	52.8	51.5	50.3	49.0	47.7	46.5
l to 12 years of education	50	57.3	56.0	54.7	53.5	52.2	51.0	49.7	48.5	47.2	45.9	44.7	43.4	42.2
ear	40	52.9	51.7	50.4	49.2	47.9	46.7	45.4	44.1	42.9	41.6	40.4	39.1	37.9
Š	30	48.3	47.0	45.8	44.5	43.3	42.0	40.7	39.5	38.2	37.0	35.7	34.5	33.2
1	20	42.8	41.5	40.2	39.0	37.7	36.5	35.2	34.0	32.7	31.4	30.2	28.9	27.7
1 tc	15	39.3	38.0	36.8	35.5	34.3	33.0	31.8	30.5	29.2	28.0	26.7	25.5	24.2
	10	35.2	33.9	32.6	31.4	30.1	28.9	27.6	26.4	25.1	23.8	22.6	21.3	20.1
	5	28.9	27.7	26.4	25.2	23.9	22.7	21.4	20.1	18.9	17.6	16.4	15.1	13.9

							А	ge (Years)	1					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	98.8	97.1	95.4	93.7	92.1	90.4	88.7	87.0	85.4	83.7	82.0	80.3	78.7
	90	93.2	91.5	89.9	88.2	86.5	84.8	83.2	81.5	79.8	78.1	76.5	74.8	73.1
c	85	89.5	87.8	86.2	84.5	82.8	81.1	79.5	77.8	76.1	74.4	72.8	71.1	69.4
ti oi	80	86.4	84.8	83.1	81.4	79.7	78.1	76.4	74.7	73.0	71.4	69.7	68.0	66.3
Ica	70	81.5	79.8	78.2	76.5	74.8	73.1	71.5	69.8	68.1	66.4	64.8	63.1	61.4
edt	60	77.4	75.7	74.0	72.3	70.7	69.0	67.3	65.6	63.9	62.3	60.6	58.9	57.2
>12 years of education	50	73.5	71.8	70.2	68.5	66.8	65.1	63.4	61.8	60.1	58.4	56.7	55.1	53.4
ST	40	69.7	68.0	66.3	64.6	62.9	61.3	59.6	57.9	56.2	54.6	52.9	51.2	49.5
yea	30	65.5	63.8	62.1	60.5	58.8	57.1	55.4	53.8	52.1	50.4	48.7	47.1	45.4
2	20	60.6	58.9	57.2	55.5	53.9	52.2	50.5	48.8	47.2	45.5	43.8	42.1	40.5
\wedge	15	57.5	55.8	54.1	52.5	50.8	49.1	47.4	45.8	44.1	42.4	40.7	39.0	37.4
	10	53.8	52.1	50.4	48.8	47.1	45.4	43.7	42.1	40.4	38.7	37.0	35.4	33.7
	5	48.2	46.6	44.9	43.2	41.5	39.9	38.2	36.5	34.8	33.2	31.5	29.8	28.1
	95	92.0	90.3	88.6	87.0	85.3	83.6	81.9	80.3	78.6	76.9	75.2	73.5	71.9
	90	86.4	84.8	83.1	81.4	79.7	78.1	76.4	74.7	73.0	71.4	69.7	68.0	66.3
on	85	82.7	81.1	79.4	77.7	76.0	74.4	72.7	71.0	69.3	67.7	66.0	64.3	62.6
ati	80	79.7	78.0	76.3	74.6	73.0	71.3	69.6	67.9	66.3	64.6	62.9	61.2	59.5
duc	70	74.7	73.1	71.4	69.7	68.0	66.4	64.7	63.0	61.3	59.6	58.0	56.3	54.6
fe	60	70.6	68.9	67.2	65.5	63.9	62.2	60.5	58.8	57.2	55.5	53.8	52.1	50.5
s	50	66.7	65.0	63.4	61.7	60.0	58.3	56.7	55.0	53.3	51.6	50.0	48.3	46.6
1 to 12 years of education	40	62.9	61.2	59.5	57.8	56.2	54.5	52.8	51.1	49.5	47.8	46.1	44.4	42.8
2	30	58.7	57.0	55.4	53.7	52.0	50.3	48.7	47.0	45.3	43.6	42.0	40.3	38.6
1	20	53.8	52.1	50.4	48.8	47.1	45.4	43.7	42.1	40.4	38.7	37.0	35.3	33.7
1 te	15	50.7	49.0	47.4	45.7	44.0	42.3	40.6	39.0	37.3	35.6	33.9	32.3	30.6
	10	47.0	45.3	43.7	42.0	40.3	38.6	37.0	35.3	33.6	31.9	30.2	28.6	26.9
	5	41.5	39.8	38.1	36.4	34.8	33.1	31.4	29.7	28.1	26.4	24.7	23.0	21.4

 Table A17

 Normative data for the Stroop-Color stratified by age and education levels for GUATEMALA

 Table A18

 Normative data for the Stroop-Color stratified by age and education levels for HONDURAS

							Α	ge (Years)						
	Percentile	18-22	23-27	28-32	33-37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	93.7	91.2	88.7	86.2	83.6	81.1	78.6	76.1	73.6	71.0	68.5	66.0	63.5
	90	88.7	86.1	83.6	81.1	78.6	76.0	73.5	71.0	68.5	66.0	63.4	60.9	58.4
ц	85	85.3	82.8	80.2	77.7	75.2	72.7	70.1	67.6	65.1	62.6	60.1	57.5	55.0
>12 years of education	80	82.5	79.9	77.4	74.9	72.4	69.8	67.3	64.8	62.3	59.8	57.2	54.7	52.2
uce	70	77.9	75.4	72.9	70.4	67.9	65.3	62.8	60.3	57.8	55.2	52.7	50.2	47.7
ed	60	74.1	71.6	69.1	66.6	64.1	61.5	59.0	56.5	54.0	51.4	48.9	46.4	43.9
of	50	70.6	68.1	65.6	63.1	60.5	58.0	55.5	53.0	50.4	47.9	45.4	42.9	40.4
ars	40	67.1	64.6	62.1	59.5	57.0	54.5	52.0	49.4	46.9	44.4	41.9	39.4	36.8
ye	30	63.3	60.8	58.2	55.7	53.2	50.7	48.2	45.6	43.1	40.6	38.1	35.5	33.0
12	20	58.8	56.3	53.7	51.2	48.7	46.2	43.6	41.1	38.6	36.1	33.6	31.0	28.5
Λ	15	56.0	53.4	50.9	48.4	45.9	43.3	40.8	38.3	35.8	33.3	30.7	28.2	25.7
	10	52.6	50.1	47.5	45.0	42.5	40.0	37.4	34.9	32.4	29.9	27.4	24.8	22.3
	5	47.5	45.0	42.5	39.9	37.4	34.9	32.4	29.8	27.3	24.8	22.3	19.8	17.2
	95	85.5	83.0	80.5	77.9	75.4	72.9	70.4	67.9	65.3	62.8	60.3	57.8	55.2
	90	80.4	77.9	75.4	72.9	70.3	67.8	65.3	62.8	60.3	57.7	55.2	52.7	50.2
on	85	77.1	74.5	72.0	69.5	67.0	64.4	61.9	59.4	56.9	54.4	51.8	49.3	46.8
cati	80	74.2	71.7	69.2	66.7	64.1	61.6	59.1	56.6	54.1	51.5	49.0	46.5	44.0
to 12 years of education	70	69.7	67.2	64.7	62.2	59.6	57.1	54.6	52.1	49.5	47.0	44.5	42.0	39.5
fe	60	65.9	63.4	60.9	58.4	55.8	53.3	50.8	48.3	45.7	43.2	40.7	38.2	35.7
CS C	50	62.4	59.9	57.4	54.8	52.3	49.8	47.3	44.7	42.2	39.7	37.2	34.7	32.1
'eai	40	58.9	56.3	53.8	51.3	48.8	46.3	43.7	41.2	38.7	36.2	33.6	31.1	28.6
5	30	55.1	52.5	50.0	47.5	45.0	42.5	39.9	37.4	34.9	32.4	29.8	27.3	24.8
o 1	20	50.6	48.0	45.5	43.0	40.5	37.9	35.4	32.9	30.4	27.9	25.3	22.8	20.3
11	15	47.7	45.2	42.7	40.2	37.6	35.1	32.6	30.1	27.6	25.0	22.5	20.0	17.5
	10	44.4	41.8	39.3	36.8	34.3	31.7	29.2	26.7	24.2	21.7	19.1	16.6	14.1
	5	39.3	36.8	34.2	31.7	29.2	26.7	24.1	21.6	19.1	16.6	14.1	11.5	9.0

							А	ge (Years)						
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	104.0	101.8	99.6	97.4	95.1	92.9	90.7	88.5	86.3	84.0	81.8	79.6	77.4
	90	98.8	96.6	94.3	92.1	89.9	87.7	85.5	83.2	81.0	78.8	76.6	74.3	72.1
c	85	95.3	93.1	90.8	88.6	86.4	84.2	82.0	79.7	77.5	75.3	73.1	70.8	68.6
tio	80	92.4	90.1	87.9	85.7	83.5	81.3	79.0	76.8	74.6	72.4	70.2	67.9	65.7
ıca	70	87.7	85.5	83.3	81.0	78.8	76.6	74.4	72.2	69.9	67.7	65.5	63.3	61.0
edt	60	83.8	81.6	79.3	77.1	74.9	72.7	70.4	68.2	66.0	63.8	61.6	59.3	57.1
years of education	50	80.1	77.9	75.7	73.5	71.2	69.0	66.8	64.6	62.4	60.1	57.9	55.7	53.5
urs	40	76.5	74.3	72.0	69.8	67.6	65.4	63.2	60.9	58.7	56.5	54.3	52.0	49.8
ye	30	72.6	70.3	68.1	65.9	63.7	61.4	59.2	57.0	54.8	52.6	50.3	48.1	45.9
>12	20	67.9	65.7	63.4	61.2	59.0	56.8	54.6	52.3	50.1	47.9	45.7	43.4	41.2
Λ	15	65.0	62.8	60.5	58.3	56.1	53.9	51.6	49.4	47.2	45.0	42.8	40.5	38.3
	10	61.5	59.3	57.0	54.8	52.6	50.4	48.1	45.9	43.7	41.5	39.3	37.0	34.8
	5	56.2	54.0	51.8	49.6	47.3	45.1	42.9	40.7	38.5	36.2	34.0	31.8	29.6
	95	98.7	96.4	94.2	92.0	89.8	87.6	85.3	83.1	80.9	78.7	76.5	74.2	72.0
	90	93.4	91.2	89.0	86.8	84.5	82.3	80.1	77.9	75.6	73.4	71.2	69.0	66.8
on	85	89.9	87.7	85.5	83.3	81.0	78.8	76.6	74.4	72.2	69.9	67.7	65.5	63.3
cati	80	87.0	84.8	82.6	80.3	78.1	75.9	73.7	71.5	69.2	67.0	64.8	62.6	60.4
que	70	82.3	80.1	77.9	75.7	73.5	71.2	69.0	66.8	64.6	62.4	60.1	57.9	55.7
fe	60	78.4	76.2	74.0	71.7	69.5	67.3	65.1	62.9	60.6	58.4	56.2	54.0	51.8
years of education	50	74.8	72.5	70.3	68.1	65.9	63.7	61.4	59.2	57.0	54.8	52.6	50.3	48.1
ear	40	71.1	68.9	66.7	64.5	62.2	60.0	57.8	55.6	53.4	51.1	48.9	46.7	44.5
2 3	30	67.2	65.0	62.7	60.5	58.3	56.1	53.9	51.6	49.4	47.2	45.0	42.8	40.5
to 12	20	62.5	60.3	58.1	55.9	53.6	51.4	49.2	47.0	44.8	42.5	40.3	38.1	35.9
1 t	15	59.6	57.4	55.2	52.9	50.7	48.5	46.3	44.1	41.8	39.6	37.4	35.2	33.0
	10	56.1	53.9	51.7	49.5	47.2	45.0	42.8	40.6	38.3	36.1	33.9	31.7	29.5
	5	50.9	48.6	46.4	44.2	42.0	39.8	37.5	35.3	33.1	30.9	28.7	26.4	24.2

 Table A19

 Normative data for the Stroop-Color stratified by age and education levels for MEXICO

Normative data for the Stroop-Color stratified by age and education levels for PARAGUAY

							А	ge (Years)						
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	96.4	95.4	94.5	93.5	92.5	91.5	90.6	89.6	88.6	87.6	86.7	85.7	84.7
	90	92.5	91.5	90.5	89.5	88.6	87.6	86.6	85.6	84.7	83.7	82.7	81.7	80.8
ц	85	89.8	88.9	87.9	86.9	85.9	85.0	84.0	83.0	82.0	81.1	80.1	79.1	78.1
years of education	80	87.6	86.7	85.7	84.7	83.7	82.8	81.8	80.8	79.8	78.9	77.9	76.9	75.9
nce	70	84.1	83.2	82.2	81.2	80.2	79.3	78.3	77.3	76.3	75.4	74.4	73.4	72.4
eq	60	81.2	80.2	79.2	78.3	77.3	76.3	75.3	74.4	73.4	72.4	71.4	70.5	69.5
of	50	78.4	77.5	76.5	75.5	74.5	73.6	72.6	71.6	70.6	69.7	68.7	67.7	66.7
ars	40	75.7	74.7	73.7	72.8	71.8	70.8	69.9	68.9	67.9	66.9	66.0	65.0	64.0
ye	30	72.7	71.8	70.8	69.8	68.8	67.9	66.9	65.9	64.9	64.0	63.0	62.0	61.0
>12	20	69.2	68.3	67.3	66.3	65.3	64.4	63.4	62.4	61.4	60.5	59.5	58.5	57.5
~	15	67.0	66.1	65.1	64.1	63.1	62.2	61.2	60.2	59.2	58.3	57.3	56.3	55.3
	10	64.4	63.4	62.5	61.5	60.5	59.5	58.6	57.6	56.6	55.6	54.7	53.7	52.7
	5	60.5	59.5	58.5	57.5	56.6	55.6	54.6	53.6	52.7	51.7	50.7	49.7	48.8
	95	84.3	83.3	82.3	81.3	80.4	79.4	78.4	77.4	76.5	75.5	74.5	73.5	72.6
	90	80.3	79.3	78.4	77.4	76.4	75.4	74.5	73.5	72.5	71.5	70.6	69.6	68.6
uo	85	77.7	76.7	75.7	74.8	73.8	72.8	71.8	70.9	69.9	68.9	67.9	67.0	66.0
cati	80	75.5	74.5	73.5	72.6	71.6	70.6	69.6	68.7	67.7	66.7	65.7	64.8	63.8
to 12 years of education	70	72.0	71.0	70.0	69.1	68.1	67.1	66.1	65.2	64.2	63.2	62.2	61.3	60.3
ofe	60	69.0	68.0	67.1	66.1	65.1	64.1	63.2	62.2	61.2	60.3	59.3	58.3	57.3
LS C	50	66.3	65.3	64.3	63.4	62.4	61.4	60.4	59.5	58.5	57.5	56.5	55.6	54.6
/ea	40	63.5	62.6	61.6	60.6	59.6	58.7	57.7	56.7	55.7	54.8	53.8	52.8	51.8
5	30	60.6	59.6	58.6	57.7	56.7	55.7	54.7	53.8	52.8	51.8	50.8	49.9	48.9
0 1	20	57.1	56.1	55.1	54.2	53.2	52.2	51.2	50.3	49.3	48.3	47.3	46.4	45.4
11	15	54.9	53.9	52.9	52.0	51.0	50.0	49.0	48.1	47.1	46.1	45.1	44.2	43.2
	10	52.3	51.3	50.3	49.3	48.4	47.4	46.4	45.4	44.5	43.5	42.5	41.5	40.6
	5	48.3	47.3	46.4	45.4	44.4	43.4	42.5	41.5	40.5	39.5	38.6	37.6	36.6

						А	ge (Years)						
Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
95	100.6	98.9	97.3	95.6	94.0	92.3	90.7	89.0	87.4	85.7	84.1	82.5	80.8
90	95.4	93.8	92.1	90.5	88.8	87.2	85.5	83.9	82.3	80.6	79.0	77.3	75.7
85	92.0	90.4	88.7	87.1	85.4	83.8	82.1	80.5	78.8	77.2	75.5	73.9	72.2
80	89.1	87.5	85.9	84.2	82.6	80.9	79.3	77.6	76.0	74.3	72.7	71.0	69.4
70	84.6	82.9	81.3	79.6	78.0	76.3	74.7	73.1	71.4	69.8	68.1	66.5	64.8
60	80.7	79.1	77.4	75.8	74.1	72.5	70.9	69.2	67.6	65.9	64.3	62.6	61.0
50	77.2	75.5	73.9	72.2	70.6	68.9	67.3	65.6	64.0	62.3	60.7	59.1	57.4
40	73.6	71.9	70.3	68.7	67.0	65.4	63.7	62.1	60.4	58.8	57.1	55.5	53.8
30	69.7	68.1	66.5	64.8	63.2	61.5	59.9	58.2	56.6	54.9	53.3	51.6	50.0
20	65.2	63.5	61.9	60.2	58.6	56.9	55.3	53.7	52.0	50.4	48.7	47.1	45.4
15	62.3	60.7	59.0	57.4	55.7	54.1	52.4	50.8	49.2	47.5	45.9	44.2	42.6
10	58.9	57.3	55.6	54.0	52.3	50.7	49.0	47.4	45.7	44.1	42.4	40.8	39.1
5	53.8	52.1	50.5	48.8	47.2	45.5	43.9	42.2	40.6	39.0	37.3	35.7	34.0

 Table A21

 Normative data for the Stroop-Color stratified by age for PERU

 Table A22

 Normative data for the Stroop-Color stratified by age and education levels for PUERTO RICO

							А	ge (Years)	1					
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	99.5	97.2	95.0	92.8	90.5	88.3	86.1	83.9	81.6	79.4	77.2	74.9	72.7
	90	95.0	92.8	90.5	88.3	86.1	83.8	81.6	79.4	77.1	74.9	72.7	70.4	68.2
ц	85	92.0	89.8	87.5	85.3	83.1	80.8	78.6	76.4	74.2	71.9	69.7	67.5	65.2
>12 years of education	80	89.5	87.3	85.1	82.8	80.6	78.4	76.1	73.9	71.7	69.4	67.2	65.0	62.7
nca	70	85.5	83.3	81.1	78.8	76.6	74.4	72.1	69.9	67.7	65.4	63.2	61.0	58.8
edi	60	82.2	79.9	77.7	75.5	73.3	71.0	68.8	66.6	64.3	62.1	59.9	57.6	55.4
of	50	79.1	76.8	74.6	72.4	70.1	67.9	65.7	63.4	61.2	59.0	56.7	54.5	52.3
ars	40	76.0	73.7	71.5	69.3	67.0	64.8	62.6	60.3	58.1	55.9	53.6	51.4	49.2
ye	30	72.6	70.4	68.1	65.9	63.7	61.4	59.2	57.0	54.7	52.5	50.3	48.0	45.8
12	20	68.6	66.4	64.2	61.9	59.7	57.5	55.2	53.0	50.8	48.5	46.3	44.1	41.8
Λ	15	66.1	63.9	61.7	59.4	57.2	55.0	52.7	50.5	48.3	46.0	43.8	41.6	39.3
	10	63.1	60.9	58.7	56.4	54.2	52.0	49.7	47.5	45.3	43.0	40.8	38.6	36.4
	5	58.7	56.4	54.2	52.0	49.7	47.5	45.3	43.0	40.8	38.6	36.3	34.1	31.9
	95	95.0	92.7	90.5	88.3	86.0	83.8	81.6	79.3	77.1	74.9	72.7	70.4	68.2
	90	90.5	88.3	86.0	83.8	81.6	79.3	77.1	74.9	72.6	70.4	68.2	65.9	63.7
on	85	87.5	85.3	83.0	80.8	78.6	76.3	74.1	71.9	69.7	67.4	65.2	63.0	60.7
1 to 12 years of education	80	85.0	82.8	80.6	78.3	76.1	73.9	71.6	69.4	67.2	64.9	62.7	60.5	58.2
que	70	81.0	78.8	76.6	74.3	72.1	69.9	67.6	65.4	63.2	60.9	58.7	56.5	54.3
fe	60	77.7	75.4	73.2	71.0	68.7	66.5	64.3	62.1	59.8	57.6	55.4	53.1	50.9
sc	50	74.6	72.3	70.1	67.9	65.6	63.4	61.2	58.9	56.7	54.5	52.2	50.0	47.8
'eai	40	71.5	69.2	67.0	64.8	62.5	60.3	58.1	55.8	53.6	51.4	49.1	46.9	44.7
2 3	30	68.1	65.9	63.6	61.4	59.2	56.9	54.7	52.5	50.2	48.0	45.8	43.5	41.3
01	20	64.1	61.9	59.7	57.4	55.2	53.0	50.7	48.5	46.3	44.0	41.8	39.6	37.3
1 t	15	61.6	59.4	57.2	54.9	52.7	50.5	48.2	46.0	43.8	41.5	39.3	37.1	34.8
	10	58.6	56.4	54.2	51.9	49.7	47.5	45.2	43.0	40.8	38.5	36.3	34.1	31.9
	5	54.2	51.9	49.7	47.5	45.2	43.0	40.8	38.5	36.3	34.1	31.8	29.6	27.4

							А	ge (Years)						
J	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	63.4	62.1	60.9	59.6	58.4	57.1	55.9	54.6	53.4	52.1	50.8	49.6	48.3
	90	60.1	58.8	57.6	56.3	55.1	53.8	52.6	51.3	50.1	48.8	47.6	46.3	45.1
_	85	57.9	56.7	55.4	54.2	52.9	51.6	50.4	49.1	47.9	46.6	45.4	44.1	42.9
Ei OI	80	56.1	54.8	53.6	52.3	51.1	49.8	48.6	47.3	46.1	44.8	43.6	42.3	41.1
Ica	70	53.2	51.9	50.7	49.4	48.2	46.9	45.7	44.4	43.2	41.9	40.7	39.4	38.2
apa	60	50.7	49.5	48.2	47.0	45.7	44.5	43.2	42.0	40.7	39.5	38.2	37.0	35.7
>12 years of education	50	48.4	47.2	45.9	44.7	43.4	42.2	40.9	39.7	38.4	37.2	35.9	34.7	33.4
IS	40	46.2	44.9	43.7	42.4	41.2	39.9	38.7	37.4	36.2	34.9	33.7	32.4	31.2
yea	30	43.7	42.5	41.2	40.0	38.7	37.5	36.2	35.0	33.7	32.5	31.2	30.0	28.7
2	20	40.8	39.6	38.3	37.1	35.8	34.6	33.3	32.0	30.8	29.5	28.3	27.0	25.8
$\overline{}$	15	39.0	37.7	36.5	35.2	34.0	32.7	31.5	30.2	29.0	27.7	26.5	25.2	24.0
	10	36.8	35.6	34.3	33.1	31.8	30.6	29.3	28.0	26.8	25.5	24.3	23.0	21.8
	5	33.5	32.3	31.0	29.8	28.5	27.3	26.0	24.8	23.5	22.3	21.0	19.8	18.5
	95	57.3	56.0	54.8	53.5	52.3	51.0	49.8	48.5	47.3	46.0	44.8	43.5	42.3
	90	54.0	52.8	51.5	50.3	49.0	47.8	46.5	45.2	44.0	42.7	41.5	40.2	39.0
uo	85	51.8	50.6	49.3	48.1	46.8	45.6	44.3	43.1	41.8	40.6	39.3	38.1	36.8
:ati	80	50.0	48.8	47.5	46.3	45.0	43.8	42.5	41.2	40.0	38.7	37.5	36.2	35.0
que	70	47.1	45.8	44.6	43.3	42.1	40.8	39.6	38.3	37.1	35.8	34.6	33.3	32.1
fe	60	44.6	43.4	42.1	40.9	39.6	38.4	37.1	35.9	34.6	33.4	32.1	30.9	29.6
0 S	50	42.4	41.1	39.9	38.6	37.4	36.1	34.9	33.6	32.4	31.1	29.9	28.6	27.4
ear	40	40.1	38.8	37.6	36.3	35.1	33.8	32.6	31.3	30.1	28.8	27.6	26.3	25.1
2 7	30	37.6	36.4	35.1	33.9	32.6	31.4	30.1	28.9	27.6	26.4	25.1	23.9	22.6
010	20	34.7	33.5	32.2	31.0	29.7	28.5	27.2	26.0	24.7	23.5	22.2	21.0	19.7
1 to 12 years of education	15	32.9	31.7	30.4	29.2	27.9	26.7	25.4	24.2	22.9	21.6	20.4	19.1	17.9
	10	30.7	29.5	28.2	27.0	25.7	24.5	23.2	22.0	20.7	19.5	18.2	17.0	15.7
	5	27.5	26.2	25.0	23.7	22.4	21.2	19.9	18.7	17.4	16.2	14.9	13.7	12.4

 Table A23

 Normative data for the Stroop Word-Color stratified by age and education levels for ARGENTINA

Normative data for the Stroop Word-Color stratified by age and education levels for BOLIVIA

							А	ge (Years)	1					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	72.6	70.9	69.2	67.5	65.8	64.2	62.5	60.8	59.1	57.4	55.7	54.0	52.3
	90	67.4	65.7	64.0	62.3	60.6	58.9	57.2	55.5	53.8	52.2	50.5	48.8	47.1
Ę	85	63.9	62.2	60.5	58.8	57.1	55.4	53.7	52.1	50.4	48.7	47.0	45.3	43.6
years of education	80	61.0	59.3	57.6	55.9	54.2	52.5	50.8	49.1	47.5	45.8	44.1	42.4	40.7
uce	70	56.3	54.6	52.9	51.3	49.6	47.9	46.2	44.5	42.8	41.1	39.4	37.7	36.0
eq	60	52.4	50.7	49.0	47.3	45.6	43.9	42.3	40.6	38.9	37.2	35.5	33.8	32.1
of	50	48.8	47.1	45.4	43.7	42.0	40.3	38.6	36.9	35.2	33.5	31.9	30.2	28.5
ars	40	45.1	43.4	41.7	40.1	38.4	36.7	35.0	33.3	31.6	29.9	28.2	26.5	24.8
2 ye	30	41.2	39.5	37.8	36.1	34.4	32.7	31.1	29.4	27.7	26.0	24.3	22.6	20.9
>12	20	36.5	34.9	33.2	31.5	29.8	28.1	26.4	24.7	23.0	21.3	19.6	18.0	16.3
~	15	33.6	32.0	30.3	28.6	26.9	25.2	23.5	21.8	20.1	18.4	16.7	15.0	13.4
	10	30.2	28.5	26.8	25.1	23.4	21.7	20.0	18.3	16.6	14.9	13.2	11.6	9.9
	5	24.9	23.2	21.5	19.8	18.2	16.5	14.8	13.1	11.4	9.7	8.0	6.3	4.6
	95	67.6	66.0	64.3	62.6	60.9	59.2	57.5	55.8	54.1	52.4	50.7	49.1	47.4
	90	62.4	60.7	59.0	57.3	55.7	54.0	52.3	50.6	48.9	47.2	45.5	43.8	42.1
ion	85	58.9	57.2	55.5	53.9	52.2	50.5	48.8	47.1	45.4	43.7	42.0	40.3	38.6
to 12 years of education	80	56.0	54.3	52.6	50.9	49.3	47.6	45.9	44.2	42.5	40.8	39.1	37.4	35.7
np	70	51.4	49.7	48.0	46.3	44.6	42.9	41.2	39.5	37.8	36.2	34.5	32.8	31.1
ofe	60	47.4	45.7	44.1	42.4	40.7	39.0	37.3	35.6	33.9	32.2	30.5	28.8	27.2
rs (50	43.8	42.1	40.4	38.7	37.0	35.4	33.7	32.0	30.3	28.6	26.9	25.2	23.5
yea	40	40.2	38.5	36.8	35.1	33.4	31.7	30.0	28.3	26.6	25.0	23.3	21.6	19.9
2	30	36.2	34.6	32.9	31.2	29.5	27.8	26.1	24.4	22.7	21.0	19.3	17.6	16.0
[0]	20	31.6	29.9	28.2	26.5	24.8	23.1	21.4	19.8	18.1	16.4	14.7	13.0	11.3
-	15	28.7	27.0	25.3	23.6	21.9	20.2	18.5	16.8	15.2	13.5	11.8	10.1	8.4
	10	25.2	23.5	21.8	20.1	18.4	16.7	15.1	13.4	11.7	10.0	8.3	6.6	4.9
	5	20.0	18.3	16.6	14.9	13.2	11.5	9.8	8.1	6.4	4.7	3.1	1.4	_

							А	ge (Years)	1					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	73.5	71.7	69.9	68.1	66.3	64.6	62.8	61.0	59.2	57.4	55.6	53.8	52.1
	90	69.4	67.6	65.8	64.0	62.2	60.4	58.7	56.9	55.1	53.3	51.5	49.7	47.9
e	85	66.6	64.8	63.1	61.3	59.5	57.7	55.9	54.1	52.3	50.6	48.8	47.0	45.2
tio	80	64.3	62.6	60.8	59.0	57.2	55.4	53.6	51.8	50.1	48.3	46.5	44.7	42.9
>12 years of education	70	60.7	58.9	57.1	55.3	53.5	51.8	50.0	48.2	46.4	44.6	42.8	41.0	39.3
edt	60	57.6	55.8	54.0	52.2	50.5	48.7	46.9	45.1	43.3	41.5	39.7	38.0	36.2
of	50	54.7	53.0	51.2	49.4	47.6	45.8	44.0	42.2	40.5	38.7	36.9	35.1	33.3
urs	40	51.9	50.1	48.3	46.5	44.7	43.0	41.2	39.4	37.6	35.8	34.0	32.2	30.5
yea	30	48.8	47.0	45.2	43.4	41.7	39.9	38.1	36.3	34.5	32.7	30.9	29.2	27.4
12	20	45.1	43.4	41.6	39.8	38.0	36.2	34.4	32.6	30.9	29.1	27.3	25.5	23.7
Λ	15	42.9	41.1	39.3	37.5	35.7	33.9	32.1	30.4	28.6	26.8	25.0	23.2	21.4
	10	40.1	38.3	36.5	34.8	33.0	31.2	29.4	27.6	25.8	24.0	22.3	20.5	18.7
	5	36.0	34.2	32.4	30.6	28.9	27.1	25.3	23.5	21.7	19.9	18.1	16.4	14.6
	95	61.4	59.6	57.8	56.0	54.2	52.5	50.7	48.9	47.1	45.3	43.5	41.7	40.0
	90	57.3	55.5	53.7	51.9	50.1	48.3	46.6	44.8	43.0	41.2	39.4	37.6	35.8
uo	85	54.5	52.7	51.0	49.2	47.4	45.6	43.8	42.0	40.2	38.5	36.7	34.9	33.1
1 to 12 years of education	80	52.2	50.5	48.7	46.9	45.1	43.3	41.5	39.7	38.0	36.2	34.4	32.6	30.8
duc	70	48.6	46.8	45.0	43.2	41.4	39.7	37.9	36.1	34.3	32.5	30.7	28.9	27.2
fe	60	45.5	43.7	41.9	40.1	38.4	36.6	34.8	33.0	31.2	29.4	27.6	25.9	24.1
s o	50	42.6	40.9	39.1	37.3	35.5	33.7	31.9	30.1	28.4	26.6	24.8	23.0	21.2
ear	40	39.8	38.0	36.2	34.4	32.6	30.9	29.1	27.3	25.5	23.7	21.9	20.1	18.4
2 Z	30	36.7	34.9	33.1	31.3	29.6	27.8	26.0	24.2	22.4	20.6	18.8	17.1	15.3
E	20	33.0	31.3	29.5	27.7	25.9	24.1	22.3	20.5	18.8	17.0	15.2	13.4	11.6
1 tc	15	30.8	29.0	27.2	25.4	23.6	21.8	20.0	18.3	16.5	14.7	12.9	11.1	9.3
	10	28.0	26.2	24.4	22.7	20.9	19.1	17.3	15.5	13.7	11.9	10.2	8.4	6.6
	5	23.9	20.2	20.3	18.5	16.8	15.0	13.2	11.4	9.6	7.8	6.0	4.3	2.5
	5	20.7		20.5	10.5	10.0	15.0	10.2	11.1	2.0	7.0	0.0	1.5	2.5

 Table A25

 Normative data for the Stroop Word-Color stratified by age and education levels for CHILE

 Table A26

 Normative data for the Stroop Word-Color stratified by age and education levels for CUBA

							A	ge (Years)						
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	69.8	68.4	66.9	65.4	64.0	62.5	61.0	59.6	58.1	56.6	55.2	53.7	52.2
	90	65.0	63.6	62.1	60.6	59.2	57.7	56.2	54.8	53.3	51.8	50.4	48.9	47.4
u	85	61.8	60.4	58.9	57.4	56.0	54.5	53.0	51.6	50.1	48.6	47.2	45.7	44.2
>12 years of education	80	59.2	57.7	56.2	54.8	53.3	51.8	50.4	48.9	47.4	46.0	44.5	43.0	41.6
nce	70	54.9	53.4	52.0	50.5	49.0	47.6	46.1	44.6	43.2	41.7	40.2	38.8	37.3
ed	60	51.3	49.8	48.4	46.9	45.4	44.0	42.5	41.0	39.6	38.1	36.6	35.2	33.7
of	50	48.0	46.5	45.0	43.6	42.1	40.6	39.2	37.7	36.2	34.8	33.3	31.8	30.4
ars	40	44.6	43.2	41.7	40.2	38.8	37.3	35.8	34.4	32.9	31.5	30.0	28.5	27.1
ye	30	41.1	39.6	38.1	36.7	35.2	33.7	32.3	30.8	29.3	27.9	26.4	24.9	23.5
12	20	36.8	35.3	33.9	32.4	30.9	29.5	28.0	26.5	25.1	23.6	22.1	20.7	19.2
Λ	15	34.1	32.7	31.2	29.7	28.3	26.8	25.3	23.9	22.4	20.9	19.5	18.0	16.5
	10	30.9	29.5	28.0	26.5	25.1	23.6	22.1	20.7	19.2	17.7	16.3	14.8	13.3
	5	26.1	24.7	23.2	21.7	20.3	18.8	17.3	15.9	14.4	12.9	11.5	10.0	8.5
	95	66.1	64.6	63.1	61.7	60.2	58.7	57.3	55.8	54.3	52.9	51.4	49.9	48.5
	90	61.3	59.8	58.3	56.9	55.4	53.9	52.5	51.0	49.5	48.1	46.6	45.1	43.7
on	85	58.1	56.6	55.1	53.7	52.2	50.7	49.3	47.8	46.3	44.9	43.4	41.9	40.5
to 12 years of education	80	55.4	53.9	52.5	51.0	49.5	48.1	46.6	45.1	43.7	42.2	40.8	39.3	37.8
qué	70	51.1	49.7	48.2	46.8	45.3	43.8	42.4	40.9	39.4	38.0	36.5	35.0	33.6
fe	60	47.6	46.1	44.6	43.2	41.7	40.2	38.8	37.3	35.8	34.4	32.9	31.4	30.0
LS C	50	44.2	42.8	41.3	39.8	38.4	36.9	35.4	34.0	32.5	31.0	29.6	28.1	26.6
'eai	40	40.9	39.4	38.0	36.5	35.0	33.6	32.1	30.6	29.2	27.7	26.2	24.8	23.3
5	30	37.3	35.8	34.4	32.9	31.4	30.0	28.5	27.0	25.6	24.1	22.6	21.2	19.7
0 1	20	33.0	31.6	30.1	28.6	27.2	25.7	24.2	22.8	21.3	19.8	18.4	16.9	15.4
1 t	15	30.4	28.9	27.4	26.0	24.5	23.0	21.6	20.1	18.6	17.2	15.7	14.2	12.8
	10	27.2	25.7	24.2	22.8	21.3	19.8	18.4	16.9	15.4	14.0	12.5	11.0	9.6
	5	22.4	20.9	19.4	18.0	16.5	15.0	13.6	12.1	10.7	9.2	7.7	6.3	4.8

							A	ge (Years)						
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	61.7	60.7	59.7	58.7	57.7	56.7	55.7	54.7	53.7	52.7	51.7	50.7	49.7
	90	57.9	56.9	55.9	54.9	53.8	52.8	51.8	50.8	49.8	48.8	47.8	46.8	45.8
_	85	55.3	54.3	53.3	52.3	51.3	50.3	49.3	48.3	47.3	46.3	45.3	44.3	43.3
>12 years of education	80	53.2	52.2	51.2	50.2	49.2	48.2	47.2	46.2	45.2	44.2	43.2	42.2	41.1
Ica	70	49.8	48.8	47.8	46.8	45.8	44.8	43.8	42.8	41.8	40.8	39.7	38.7	37.7
pa	60	46.9	45.9	44.9	43.9	42.9	41.9	40.9	39.9	38.9	37.9	36.9	35.9	34.9
of	50	44.2	43.2	42.2	41.2	40.2	39.2	38.2	37.2	36.2	35.2	34.2	33.2	32.2
LS 6	40	41.6	40.6	39.6	38.6	37.6	36.6	35.6	34.6	33.6	32.6	31.6	30.6	29.6
vea	30	38.7	37.7	36.7	35.7	34.7	33.7	32.7	31.7	30.7	29.7	28.7	27.7	26.7
2	20	35.3	34.3	33.3	32.3	31.3	30.3	29.3	28.3	27.3	26.3	25.3	24.3	23.3
$\overline{}$	15	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2	23.1	22.1	21.1
	10	30.6	29.6	28.6	27.6	26.6	25.6	24.6	23.6	22.6	21.6	20.6	19.6	18.6
	5	26.8	25.8	24.8	23.8	22.8	21.8	20.8	19.8	18.8	17.8	16.8	15.8	14.8
	95	51.5	50.5	49.5	48.5	47.5	46.5	45.5	44.5	43.5	42.5	41.5	40.5	39.5
	90	47.7	46.7	45.7	44.7	43.7	42.7	41.6	40.6	39.6	38.6	37.6	36.6	35.6
on	85	45.1	44.1	43.1	42.1	41.1	40.1	39.1	38.1	37.1	36.1	35.1	34.1	33.1
ati	80	43.0	42.0	41.0	40.0	39.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0
que	70	39.6	38.6	37.6	36.6	35.6	34.6	33.6	32.6	31.6	30.6	29.6	28.5	27.5
fe	60	36.7	35.7	34.7	33.7	32.7	31.7	30.7	29.7	28.7	27.7	26.7	25.7	24.7
o s	50	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0	26.0	25.0	24.0	23.0	22.0
ear	40	31.4	30.4	29.4	28.4	27.4	26.4	25.4	24.4	23.4	22.4	21.4	20.4	19.4
2 7	30	28.5	27.5	26.5	25.5	24.5	23.5	22.5	21.5	20.5	19.5	18.5	17.5	16.5
1 to 12 years of education	20	25.1	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1
1 tc	15	23.0	22.0	21.0	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	11.9	10.9
	10	20.4	19.4	18.4	17.4	16.4	15.4	14.4	13.4	12.4	11.4	10.4	9.4	8.4
	5	16.6	15.6	14.6	13.6	12.6	11.6	10.6	9.6	8.6	7.6	6.6	5.6	4.6
	5	10.0	15.0	1 1.0	15.0	12.0	11.0	15.0	2.0	0.0	7.0	0.0	5.0	

 Table A27

 Normative data for the Stroop Word-Color stratified by age and education levels for EL SALVADOR

Normative data for the Stroop Word-Color stratified by age and education levels for GUATEMALA

							А	ge (Years)	1					
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	63.7	62.5	61.3	60.1	58.9	57.7	56.5	55.3	54.1	52.9	51.7	50.5	49.3
	90	59.5	58.3	57.1	55.9	54.7	53.5	52.3	51.1	49.9	48.7	47.5	46.4	45.2
ц	85	56.7	55.5	54.3	53.1	51.9	50.7	49.5	48.3	47.1	46.0	44.8	43.6	42.4
tio	80	54.4	53.2	52.0	50.8	49.6	48.4	47.2	46.0	44.8	43.6	42.4	41.2	40.1
nce	70	50.7	49.5	48.3	47.1	45.9	44.7	43.5	42.3	41.1	39.9	38.7	37.5	36.3
eq	60	47.5	46.3	45.1	43.9	42.7	41.6	40.4	39.2	38.0	36.8	35.6	34.4	33.2
years of education	50	44.6	43.4	42.2	41.0	39.8	38.7	37.5	36.3	35.1	33.9	32.7	31.5	30.3
ars	40	41.7	40.5	39.3	38.1	36.9	35.7	34.6	33.4	32.2	31.0	29.8	28.6	27.4
c ye	30	38.6	37.4	36.2	35.0	33.8	32.6	31.4	30.2	29.0	27.8	26.6	25.5	24.3
>12	20	34.9	33.7	32.5	31.3	30.1	28.9	27.7	26.5	25.3	24.1	22.9	21.7	20.5
~	15	32.5	31.3	30.2	29.0	27.8	26.6	25.4	24.2	23.0	21.8	20.6	19.4	18.2
	10	29.8	28.6	27.4	26.2	25.0	23.8	22.6	21.4	20.2	19.0	17.8	16.6	15.4
	5	25.6	24.4	23.2	22.0	20.8	19.6	18.4	17.2	16.0	14.8	13.6	12.4	11.3
	95	57.6	56.4	55.2	54.0	52.8	51.7	50.5	49.3	48.1	46.9	45.7	44.5	43.3
	90	53.4	52.2	51.1	49.9	48.7	47.5	46.3	45.1	43.9	42.7	41.5	40.3	39.1
uo	85	50.7	49.5	48.3	47.1	45.9	44.7	43.5	42.3	41.1	39.9	38.7	37.5	36.3
cati	80	48.3	47.1	45.9	44.7	43.6	42.4	41.2	40.0	38.8	37.6	36.4	35.2	34.0
to 12 years of education	70	44.6	43.4	42.2	41.0	39.8	38.6	37.5	36.3	35.1	33.9	32.7	31.5	30.3
ofe	60	41.5	40.3	39.1	37.9	36.7	35.5	34.3	33.1	31.9	30.7	29.5	28.4	27.2
LS C	50	38.6	37.4	36.2	35.0	33.8	32.6	31.4	30.2	29.0	27.8	26.6	25.5	24.3
/eai	40	35.7	34.5	33.3	32.1	30.9	29.7	28.5	27.3	26.1	24.9	23.7	22.5	21.4
53	30	32.5	31.3	30.2	29.0	27.8	26.6	25.4	24.2	23.0	21.8	20.6	19.4	18.2
0]	20	28.8	27.6	26.4	25.2	24.0	22.9	21.7	20.5	19.3	18.1	16.9	15.7	14.5
11	15	26.5	25.3	24.1	22.9	21.7	20.5	19.3	18.1	17.0	15.8	14.6	13.4	12.2
	10	23.7	22.5	21.3	20.1	18.9	17.7	16.6	15.4	14.2	13.0	11.8	10.6	9.4
	5	19.5	18.3	17.1	16.0	14.8	13.6	12.4	11.2	10.0	8.8	7.6	6.4	5.2

							A	ge (Years))					
	Percentile	18-22	23–27	28-32	33–37	38–42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	56.3	55.2	54.1	53.1	52.0	51.0	49.9	48.9	47.8	46.7	45.7	44.6	43.6
	90	52.9	51.8	50.8	49.7	48.6	47.6	46.5	45.5	44.4	43.3	42.3	41.2	40.2
-	85	50.6	49.5	48.5	47.4	46.4	45.3	44.3	43.2	42.1	41.1	40.0	39.0	37.9
>12 years of education	80	48.7	47.7	46.6	45.5	44.5	43.4	42.4	41.3	40.3	39.2	38.1	37.1	36.0
Ica	70	45.7	44.6	43.6	42.5	41.5	40.4	39.4	38.3	37.2	36.2	35.1	34.1	33.0
pa	60	43.2	42.1	41.0	40.0	38.9	37.9	36.8	35.7	34.7	33.6	32.6	31.5	30.5
ofe	50	40.8	39.7	38.7	37.6	36.6	35.5	34.4	33.4	32.3	31.3	30.2	29.2	28.1
LS	40	38.4	37.4	36.3	35.3	34.2	33.1	32.1	31.0	30.0	28.9	27.9	26.8	25.7
vea	30	35.9	34.8	33.8	32.7	31.7	30.6	29.5	28.5	27.4	26.4	25.3	24.3	23.2
2	20	32.9	31.8	30.8	29.7	28.6	27.6	26.5	25.5	24.4	23.3	22.3	21.2	20.2
	15	31.0	29.9	28.9	27.8	26.8	25.7	24.6	23.6	22.5	21.5	20.4	19.3	18.3
	10	28.7	27.7	26.6	25.6	24.5	23.4	22.4	21.3	20.3	19.2	18.1	17.1	16.0
	5	25.3	24.3	23.2	22.2	21.1	20.0	19.0	17.9	16.9	15.8	14.7	13.7	12.6
	95	50.3	49.2	48.2	47.1	46.1	45.0	43.9	42.9	41.8	40.8	39.7	38.7	37.6
	90	46.9	45.8	44.8	43.7	42.7	41.6	40.5	39.5	38.4	37.4	36.3	35.3	34.2
on	85	44.6	43.6	42.5	41.5	40.4	39.3	38.3	37.2	36.2	35.1	34.1	33.0	31.9
cati	80	42.8	41.7	40.6	39.6	38.5	37.5	36.4	35.3	34.3	33.2	32.2	31.1	30.0
1 to 12 years of education	70	39.7	38.7	37.6	36.6	35.5	34.4	33.4	32.3	31.3	30.2	29.1	28.1	27.0
fe	60	37.2	36.1	35.1	34.0	33.0	31.9	30.8	29.8	28.7	27.7	26.6	25.5	24.5
o s.	50	34.8	33.8	32.7	31.7	30.6	29.5	28.5	27.4	26.4	25.3	24.2	23.2	22.1
ear	40	32.5	31.4	30.4	29.3	28.2	27.2	26.1	25.1	24.0	22.9	21.9	20.8	19.8
2	30	29.9	28.9	27.8	26.7	25.7	24.6	23.6	22.5	21.5	20.4	19.3	18.3	17.2
01	20	26.9	25.8	24.8	23.7	22.7	21.6	20.6	19.5	18.4	17.4	16.3	15.3	14.2
1 tí	15	25.0	24.0	22.9	21.8	20.8	19.7	18.7	17.6	16.6	15.5	14.4	13.4	12.3
	10	22.8	21.7	20.6	19.6	18.5	17.5	16.4	15.3	14.3	13.2	12.2	11.1	10.1
	5	19.4	18.3	17.2	16.2	15.1	14.1	13.0	12.0	10.9	9.8	8.8	7.7	6.7

 Table A29

 Normative data for the Stroop Word-Color stratified by age and education levels for HONDURAS

 Table A30

 Normative data for the Stroop Word-Color stratified by age and education levels for MEXICO

							Α	ge (Years)						
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	72.6	70.8	69.0	67.2	65.4	63.6	61.8	60.0	58.2	56.4	54.6	52.8	51.0
	90	68.3	66.5	64.7	62.8	61.0	59.2	57.4	55.6	53.8	52.0	50.2	48.4	46.6
ц	85	65.4	63.5	61.7	59.9	58.1	56.3	54.5	52.7	50.9	49.1	47.3	45.5	43.7
>12 years of education	80	62.9	61.1	59.3	57.5	55.7	53.9	52.1	50.3	48.5	46.7	44.9	43.1	41.2
uce	70	59.0	57.2	55.4	53.6	51.8	50.0	48.2	46.4	44.6	42.8	41.0	39.2	37.4
ed	60	55.8	54.0	52.1	50.3	48.5	46.7	44.9	43.1	41.3	39.5	37.7	35.9	34.1
of	50	52.7	50.9	49.1	47.3	45.5	43.7	41.9	40.1	38.3	36.5	34.7	32.9	31.0
ars	40	49.7	47.9	46.1	44.3	42.5	40.7	38.9	37.0	35.2	33.4	31.6	29.8	28.0
ye	30	46.4	44.6	42.8	41.0	39.2	37.4	35.6	33.8	32.0	30.2	28.3	26.5	24.7
12	20	42.5	40.7	38.9	37.1	35.3	33.5	31.7	29.9	28.1	26.3	24.5	22.7	20.8
Λ	15	40.1	38.3	36.5	34.7	32.9	31.1	29.3	27.5	25.6	23.8	22.0	20.2	18.4
	10	37.2	35.4	33.6	31.8	30.0	28.1	26.3	24.5	22.7	20.9	19.1	17.3	15.5
	5	32.8	31.0	29.2	27.4	25.6	23.8	22.0	20.2	18.4	16.6	14.7	12.9	11.1
	95	67.1	65.3	63.5	61.7	59.9	58.1	56.3	54.5	52.7	50.9	49.1	47.3	45.5
	90	62.8	61.0	59.2	57.4	55.6	53.7	51.9	50.1	48.3	46.5	44.7	42.9	41.1
on	85	59.9	58.1	56.3	54.4	52.6	50.8	49.0	47.2	45.4	43.6	41.8	40.0	38.2
to 12 years of education	80	57.4	55.6	53.8	52.0	50.2	48.4	46.6	44.8	43.0	41.2	39.4	37.6	35.8
qui	70	53.5	51.7	49.9	48.1	46.3	44.5	42.7	40.9	39.1	37.3	35.5	33.7	31.9
fe	60	50.3	48.5	46.7	44.9	43.0	41.2	39.4	37.6	35.8	34.0	32.2	30.4	28.6
CS C	50	47.2	45.4	43.6	41.8	40.0	38.2	36.4	34.6	32.8	31.0	29.2	27.4	25.6
'eai	40	44.2	42.4	40.6	38.8	37.0	35.2	33.4	31.6	29.7	27.9	26.1	24.3	22.5
5	30	40.9	39.1	37.3	35.5	33.7	31.9	30.1	28.3	26.5	24.7	22.9	21.1	19.2
o 1	20	37.0	35.2	33.4	31.6	29.8	28.0	26.2	24.4	22.6	20.8	19.0	17.2	15.4
11	15	34.6	32.8	31.0	29.2	27.4	25.6	23.8	22.0	20.2	18.3	16.5	14.7	12.9
	10	31.7	29.9	28.1	26.3	24.5	22.7	20.9	19.0	17.2	15.4	13.6	11.8	10.0
	5	27.3	25.5	23.7	21.9	20.1	18.3	16.5	14.7	12.9	11.1	9.3	7.5	5.6

							A	ge (Years))					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	60.5	59.6	58.7	57.8	56.9	56.0	55.1	54.2	53.3	52.4	51.5	50.6	49.7
	90	57.6	56.7	55.8	54.9	54.0	53.1	52.2	51.3	50.4	49.5	48.6	47.7	46.8
c	85	55.7	54.8	53.9	53.0	52.1	51.2	50.3	49.4	48.5	47.6	46.7	45.8	44.9
>12 years of education	80	54.1	53.2	52.3	51.4	50.5	49.6	48.7	47.8	46.9	46.0	45.1	44.3	43.4
Ica	70	51.6	50.7	49.8	48.9	48.0	47.1	46.2	45.3	44.4	43.5	42.6	41.7	40.8
edt	60	49.4	48.5	47.6	46.7	45.8	44.9	44.0	43.2	42.3	41.4	40.5	39.6	38.7
ofe	50	47.4	46.5	45.6	44.7	43.9	43.0	42.1	41.2	40.3	39.4	38.5	37.6	36.7
ILS O	40	45.5	44.6	43.7	42.8	41.9	41.0	40.1	39.2	38.3	37.4	36.5	35.6	34.7
vea	30	43.3	42.4	41.5	40.6	39.7	38.8	37.9	37.0	36.1	35.2	34.4	33.5	32.6
2	20	40.8	39.9	39.0	38.1	37.2	36.3	35.4	34.5	33.6	32.7	31.8	30.9	30.0
$\overline{}$	15	39.2	38.3	37.4	36.5	35.6	34.7	33.8	32.9	32.0	31.1	30.2	29.3	28.4
	10	37.3	36.4	35.5	34.6	33.7	32.8	31.9	31.0	30.1	29.2	28.3	27.4	26.5
	5	34.4	33.5	32.6	31.7	30.8	29.9	29.0	28.2	27.3	26.4	25.5	24.6	23.7
	95	47.4	46.5	45.6	44.7	43.8	42.9	42.0	41.1	40.2	39.3	38.4	37.5	36.7
	90	44.5	43.6	42.8	41.9	41.0	40.1	39.2	38.3	37.4	36.5	35.6	34.7	33.8
on	85	42.6	41.7	40.8	40.0	39.1	38.2	37.3	36.4	35.5	34.6	33.7	32.8	31.9
cati	80	41.1	40.2	39.3	38.4	37.5	36.6	35.7	34.8	33.9	33.0	32.1	31.2	30.3
que	70	38.5	37.6	36.7	35.8	34.9	34.0	33.1	32.2	31.3	30.5	29.6	28.7	27.8
fe	60	36.4	35.5	34.6	33.7	32.8	31.9	31.0	30.1	29.2	28.3	27.4	26.5	25.6
so	50	34.4	33.5	32.6	31.7	30.8	29.9	29.0	28.1	27.2	26.3	25.4	24.5	23.6
ear	40	32.4	31.5	30.6	29.7	28.8	27.9	27.0	26.1	25.2	24.3	23.4	22.5	21.7
Š	30	30.3	29.4	28.5	27.6	26.7	25.8	24.9	24.0	23.1	22.2	21.3	20.4	19.5
1 to 12 years of education	20	27.7	26.8	25.9	25.0	24.1	23.2	22.3	21.4	20.6	19.7	18.8	17.9	17.0
1 tc	15	26.1	25.2	24.3	23.4	22.5	21.7	20.8	19.9	19.0	18.1	17.2	16.3	15.4
	10	24.2	23.3	22.4	21.5	20.6	19.7	18.9	18.0	17.1	16.2	15.3	14.4	13.5
	5	21.4	20.5	19.6	18.7	17.8	16.9	16.0	15.1	14.2	13.3	12.4	11.5	10.6
	5		20.0	17.0	10.7	17.0	10.7	10.0	10.1	11.2	10.0	12.1	11.0	10.0

 Table A31

 Normative data for the Stroop Word-Color stratified by age and education levels for PARAGUAY

Normative data for the Stroop Word-Color stratified by age and education levels for PERU

							А	ge (Years)						
	Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	68.2	66.5	64.8	63.1	61.4	59.7	58.0	56.3	54.6	52.9	51.2	49.6	47.9
	90	64.0	62.3	60.6	58.9	57.2	55.5	53.8	52.1	50.5	48.8	47.1	45.4	43.7
ц	85	61.2	59.5	57.8	56.1	54.4	52.8	51.1	49.4	47.7	46.0	44.3	42.6	40.9
years of education	80	58.9	57.2	55.5	53.8	52.1	50.4	48.7	47.0	45.3	43.6	42.0	40.3	38.6
nce	70	55.2	53.5	51.8	50.1	48.4	46.7	45.0	43.3	41.6	39.9	38.2	36.5	34.8
eq	60	52.0	50.4	48.7	47.0	45.3	43.6	41.9	40.2	38.5	36.8	35.1	33.4	31.7
of	50	49.1	47.4	45.8	44.1	42.4	40.7	39.0	37.3	35.6	33.9	32.2	30.5	28.8
ars	40	46.2	44.5	42.9	41.2	39.5	37.8	36.1	34.4	32.7	31.0	29.3	27.6	25.9
ye	30	43.1	41.4	39.7	38.0	36.3	34.6	32.9	31.2	29.5	27.9	26.2	24.5	22.8
>12	20	39.4	37.7	36.0	34.3	32.6	30.9	29.2	27.5	25.8	24.1	22.4	20.7	19.1
~	15	37.1	35.4	33.7	32.0	30.3	28.6	26.9	25.2	23.5	21.8	20.1	18.4	16.7
	10	34.3	32.6	30.9	29.2	27.5	25.8	24.1	22.4	20.7	19.0	17.3	15.6	13.9
	5	30.1	28.4	26.7	25.0	23.3	21.6	19.9	18.2	16.5	14.8	13.1	11.5	9.8
	95	64.5	62.8	61.1	59.4	57.7	56.0	54.3	52.6	50.9	49.2	47.5	45.9	44.2
	90	60.3	58.6	56.9	55.2	53.5	51.8	50.1	48.4	46.8	45.1	43.4	41.7	40.0
uo	85	57.5	55.8	54.1	52.4	50.7	49.1	47.4	45.7	44.0	42.3	40.6	38.9	37.2
cati	80	55.2	53.5	51.8	50.1	48.4	46.7	45.0	43.3	41.6	39.9	38.3	36.6	34.9
qui	70	51.5	49.8	48.1	46.4	44.7	43.0	41.3	39.6	37.9	36.2	34.5	32.8	31.1
ofe	60	48.3	46.7	45.0	43.3	41.6	39.9	38.2	36.5	34.8	33.1	31.4	29.7	28.0
LS C	50	45.4	43.7	42.1	40.4	38.7	37.0	35.3	33.6	31.9	30.2	28.5	26.8	25.1
'eai	40	42.5	40.8	39.2	37.5	35.8	34.1	32.4	30.7	29.0	27.3	25.6	23.9	22.2
23	30	39.4	37.7	36.0	34.3	32.6	30.9	29.2	27.5	25.8	24.2	22.5	20.8	19.1
to 12 years of education	20	35.7	34.0	32.3	30.6	28.9	27.2	25.5	23.8	22.1	20.4	18.7	17.0	15.4
1 t	15	33.4	31.7	30.0	28.3	26.6	24.9	23.2	21.5	19.8	18.1	16.4	14.7	13.0
	10	30.6	28.9	27.2	25.5	23.8	22.1	20.4	18.7	17.0	15.3	13.6	11.9	10.2
	5	26.4	24.7	23.0	21.3	19.6	17.9	16.2	14.5	12.8	11.1	9.4	7.8	6.1

1	Percentile						A	ge (Years)						
		18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	72.1	69.8	67.5	65.2	63.0	60.7	58.4	56.1	53.8	51.5	49.2	46.9	44.6
	90	68.2	65.9	63.6	61.3	59.0	56.7	54.4	52.1	49.8	47.5	45.3	43.0	40.7
-	85	65.6	63.3	61.0	58.7	56.4	54.1	51.8	49.5	47.2	44.9	42.6	40.3	38.0
>12 years of education	80	63.4	61.1	58.8	56.5	54.2	51.9	49.6	47.3	45.0	42.7	40.4	38.1	35.8
Ica	70	59.9	57.6	55.3	53.0	50.7	48.4	46.1	43.8	41.5	39.2	36.9	34.6	32.3
sdt	60	56.9	54.6	52.3	50.0	47.7	45.4	43.2	40.9	38.6	36.3	34.0	31.7	29.4
ofe	50	54.2	51.9	49.6	47.3	45.0	42.7	40.4	38.1	35.8	33.5	31.2	29.0	26.7
IS	40	51.4	49.2	46.9	44.6	42.3	40.0	37.7	35.4	33.1	30.8	28.5	26.2	23.9
yea	30	48.5	46.2	43.9	41.6	39.3	37.0	34.7	32.4	30.1	27.8	25.6	23.3	21.0
2	20	45.0	42.7	40.4	38.1	35.8	33.5	31.2	28.9	26.6	24.3	22.1	19.8	17.5
$\overline{}$	15	42.8	40.5	38.2	35.9	33.6	31.3	29.0	26.7	24.5	22.2	19.9	17.6	15.3
	10	40.2	37.9	35.6	33.3	31.0	28.7	26.4	24.1	21.8	19.5	17.2	14.9	12.6
	5	36.2	33.9	31.6	29.4	27.1	24.8	22.5	20.2	17.9	15.6	13.3	11.0	8.7
	95	68.6	66.3	64.0	61.7	59.4	57.1	54.8	52.5	50.2	47.9	45.6	43.3	41.0
	90	64.6	62.3	60.0	57.7	55.4	53.1	50.8	48.6	46.3	44.0	41.7	39.4	37.1
uo	85	62.0	59.7	57.4	55.1	52.8	50.5	48.2	45.9	43.6	41.3	39.0	36.8	34.5
äti	80	59.8	57.5	55.2	52.9	50.6	48.3	46.0	43.7	41.4	39.2	36.9	34.6	32.3
duc	70	56.3	54.0	51.7	49.4	47.1	44.8	42.5	40.2	37.9	35.6	33.4	31.1	28.8
fe	60	53.3	51.0	48.8	46.5	44.2	41.9	39.6	37.3	35.0	32.7	30.4	28.1	25.8
o s	50	50.6	48.3	46.0	43.7	41.4	39.1	36.8	34.5	32.3	30.0	27.7	25.4	23.1
ear	40	47.9	45.6	43.3	41.0	38.7	36.4	34.1	31.8	29.5	27.2	24.9	22.6	20.3
7 Z	30	44.9	42.6	40.3	38.0	35.7	33.4	31.1	28.9	26.6	24.3	22.0	19.7	17.4
1 to 12 years of education	20	41.4	39.1	36.8	34.5	32.2	29.9	27.6	25.4	23.1	20.8	18.5	16.2	13.9
1 tc	15	39.2	36.9	34.6	32.3	30.0	27.8	25.5	23.2	20.9	18.6	16.3	14.0	11.7
	10	36.6	34.3	32.0	29.7	27.4	25.1	22.8	20.5	18.2	16.0	13.7	11.4	9.1
	5	32.7	30.4	28.1	25.8	23.5	21.2	18.9	16.6	14.3	12.0	9.7	7.4	5.1

Table A33 Normative data for the Stroop Word-Color stratified by age and education levels for PUERTO RICO

Normative data for the Stroop Interference stratified by age and education levels for ARGENTINA

							Α	ge (Years)					
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	16.1	15.5	14.9	14.3	13.7	13.1	12.5	11.9	11.3	10.6	10.0	9.4	8.8
	90	13.5	12.9	12.3	11.7	11.1	10.5	9.9	9.3	8.7	8.1	7.5	6.8	6.2
ц	85	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.5	6.9	6.3	5.7	5.1	4.5
>12 years of education	80	10.4	9.7	9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.9	4.3	3.7	3.1
uce	70	8.1	7.4	6.8	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.4	0.8
eq	60	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.3	0.7	0.0	-0.6	-1.2
of	50	4.3	3.7	3.1	2.5	1.9	1.3	0.7	0.1	-0.5	-1.1	-1.8	-2.4	-3.0
ars	40	2.5	1.9	1.3	0.7	0.1	-0.5	-1.1	-1.7	-2.3	-2.9	-3.6	-4.2	-4.8
ye	30	0.6	0.0	-0.6	-1.2	-1.9	-2.5	-3.1	-3.7	-4.3	-4.9	-5.5	-6.1	-6.7
×12	20	-1.7	-2.3	-2.9	-3.5	-4.2	-4.8	-5.4	-6.0	-6.6	-7.2	-7.8	-8.4	-9.0
Λ	15	-3.2	-3.8	-4.4	-5.0	-5.6	-6.2	-6.8	-7.4	-8.0	-8.6	-9.2	-9.8	-10.4
	10	-4.9	-5.5	-6.1	-6.7	-7.3	-7.9	-8.5	-9.1	-9.7	-10.4	-11.0	-11.6	-12.2
	5	-7.5	-8.1	-8.7	-9.3	-9.9	-10.5	-11.1	-11.7	-12.3	-12.9	-13.5	-14.2	-14.8
	95	13.4	12.8	12.2	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.7	6.1
	90	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.2	3.6
uo	85	9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.9	4.3	3.6	3.0	2.4	1.8
1 to 12 years of education	80	7.7	7.1	6.5	5.8	5.2	4.6	4.0	3.4	2.8	2.2	1.6	1.0	0.4
quy	70	5.4	4.8	4.2	3.5	2.9	2.3	1.7	1.1	0.5	-0.1	-0.7	-1.3	-1.9
fe	60	3.4	2.8	2.2	1.6	1.0	0.4	-0.2	-0.8	-1.4	-2.0	-2.6	-3.2	-3.9
sc	50	1.6	1.0	0.4	-0.2	-0.8	-1.4	-2.0	-2.6	-3.2	-3.8	-4.4	-5.0	-5.7
ear	40	-0.2	-0.8	-1.4	-2.0	-2.6	-3.2	-3.8	-4.4	-5.0	-5.6	-6.2	-6.8	-7.5
23	30	-2.1	-2.7	-3.3	-3.9	-4.5	-5.1	-5.8	-6.4	-7.0	-7.6	-8.2	-8.8	-9.4
01	20	-4.4	-5.0	-5.6	-6.2	-6.8	-7.4	-8.1	-8.7	-9.3	-9.9	-10.5	-11.1	-11.7
1 t	15	-5.9	-6.5	-7.1	-7.7	-8.3	-8.9	-9.5	-10.1	-10.7	-11.3	-11.9	-12.5	-13.1
	10	-7.6	-8.2	-8.8	-9.4	-10.0	-10.6	-11.2	-11.8	-12.4	-13.0	-13.6	-14.3	-14.9
	5	-10.2	-10.8	-11.4	-12.0	-12.6	-13.2	-13.8	-14.4	-15.0	-15.6	-16.2	-16.8	-17.4

Percentile	Raw Score
95	23.9
90	18.5
85	14.0
80	12.1
70	8.2
60	5.1
50	2.4
40	0.0
30	-3.8
20	-7.2
15	-9.0
10	-10.6
5	-16.9

 Table A35

 Normative data for the Stroop Interference for BOLIVIA

 Table A36

 Normative data for the Stroop Interference stratified by age and education levels for CHILE

					ie Subop I									
								Age (Years						
	Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	22.5	21.9	21.4	20.8	20.3	19.7	19.1	18.6	18.0	17.4	16.9	16.3	15.8
	90	19.4	18.8	18.3	17.7	17.1	16.6	16.0	15.5	14.9	14.3	13.8	13.2	12.6
ц	85	17.3	16.7	16.2	15.6	15.1	14.5	13.9	13.4	12.8	12.2	11.7	11.1	10.6
utio	80	15.6	15.0	14.5	13.9	13.3	12.8	12.2	11.6	11.1	10.5	10.0	9.4	8.8
>12 years of education	70	12.8	12.2	11.7	11.1	10.6	10.0	9.4	8.9	8.3	7.7	7.2	6.6	6.1
ed	60	10.5	9.9	9.3	8.8	8.2	7.7	7.1	6.5	6.0	5.4	4.8	4.3	3.7
of	50	8.3	7.7	7.2	6.6	6.0	5.5	4.9	4.4	3.8	3.2	2.7	2.1	1.5
ars	40	6.1	5.6	5.0	4.4	3.9	3.3	2.8	2.2	1.6	1.1	0.5	-0.1	-0.6
ye	30	3.8	3.2	2.7	2.1	1.5	1.0	0.4	-0.1	-0.7	-1.3	-1.8	-2.4	-3.0
12	20	1.0	0.5	-0.1	-0.7	-1.2	-1.8	-2.4	-2.9	-3.5	-4.0	-4.6	-5.2	-5.7
Λ	15	-0.7	-1.3	-1.8	-2.4	-3.0	-3.5	-4.1	-4.7	-5.2	-5.8	-6.3	-6.9	-7.5
	10	-2.8	-3.4	-3.9	-4.5	-5.0	-5.6	-6.2	-6.7	-7.3	-7.9	-8.4	-9.0	-9.5
	5	-5.9	-6.5	-7.0	-7.6	-8.2	-8.7	-9.3	-9.9	-10.4	-11.0	-11.5	-12.1	-12.7
	95	17.3	16.8	16.2	15.6	15.1	14.5	13.9	13.4	12.8	12.3	11.7	11.1	10.6
	90	14.2	13.6	13.1	12.5	11.9	11.4	10.8	10.3	9.7	9.1	8.6	8.0	7.5
on	85	12.1	11.6	11.0	10.4	9.9	9.3	8.7	8.2	7.6	7.1	6.5	5.9	5.4
cati	80	10.4	9.8	9.3	8.7	8.1	7.6	7.0	6.4	5.9	5.3	4.8	4.2	3.6
pub	70	7.6	7.0	6.5	5.9	5.4	4.8	4.2	3.7	3.1	2.6	2.0	1.4	0.9
ofe	60	5.3	4.7	4.1	3.6	3.0	2.5	1.9	1.3	0.8	0.2	-0.4	-0.9	-1.5
LS C	50	3.1	2.5	2.0	1.4	0.9	0.3	-0.3	-0.8	-1.4	-2.0	-2.5	-3.1	-3.6
/eai	40	0.9	0.4	-0.2	-0.7	-1.3	-1.9	-2.4	-3.0	-3.6	-4.1	-4.7	-5.2	-5.8
5	30	-1.4	-2.0	-2.5	-3.1	-3.7	-4.2	-4.8	-5.3	-5.9	-6.5	-7.0	-7.6	-8.1
1 to 12 years of education	20	-4.2	-4.7	-5.3	-5.9	-6.4	-7.0	-7.5	-8.1	-8.7	-9.2	-9.8	-10.4	-10.9
11	15	-5.9	-6.5	-7.0	-7.6	-8.2	-8.7	-9.3	-9.8	-10.4	-11.0	-11.5	-12.1	-12.7
	10	-8.0	-8.5	-9.1	-9.7	-10.2	-10.8	-11.4	-11.9	-12.5	-13.0	-13.6	-14.2	-14.7
	5	-11.1	-11.7	-12.2	-12.8	-13.4	-13.9	-14.5	-15.0	-15.6	-16.2	-16.7	-17.3	-17.9

Percentile	Raw Score
95	18.6
90	12.2
85	9.2
80	6.9
70	4.2
60	1.8
50	-0.1
40	-1.8
30	-4.3
20	-7.0
15	-9.1
10	-11.2
5	-14.9

Table A37

Table A38 Normative data for the Stroop Interference stratified by age for EL SALVADOR

						A	Age (Years)					
Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
95	17.0	16.6	16.2	15.9	15.5	15.1	14.7	14.3	13.9	13.5	13.1	12.8	12.4
90	13.9	13.5	13.2	12.8	12.4	12.0	11.6	11.2	10.8	10.4	10.1	9.7	9.3
85	11.9	11.5	11.1	10.7	10.3	9.9	9.5	9.2	8.8	8.4	8.0	7.6	7.2
80	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.1	6.7	6.3	5.9	5.5
70	7.4	7.0	6.6	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.2	2.8
60	5.1	4.7	4.3	3.9	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8	0.5
50	3.0	2.6	2.2	1.8	1.4	1.0	0.6	0.2	-0.1	-0.5	-0.9	-1.3	-1.7
40	0.8	0.4	0.0	-0.3	-0.7	-1.1	-1.5	-1.9	-2.3	-2.7	-3.1	-3.4	-3.8
30	-1.5	-1.9	-2.3	-2.7	-3.0	-3.4	-3.8	-4.2	-4.6	-5.0	-5.4	-5.8	-6.1
20	-4.2	-4.6	-5.0	-5.4	-5.8	-6.2	-6.6	-7.0	-7.3	-7.7	-8.1	-8.5	-8.9
15	-6.0	-6.3	-6.7	-7.1	-7.5	-7.9	-8.3	-8.7	-9.1	-9.4	-9.8	-10.2	-10.6
10	-8.0	-8.4	-8.8	-9.2	-9.6	-10.0	-10.3	-10.7	-11.1	-11.5	-11.9	-12.3	-12.7
5	-11.1	-11.5	-11.9	-12.3	-12.6	-13.0	-13.4	-13.8	-14.2	-14.6	-15.0	-15.4	-15.7

Table A39 Normative data for the Stroop Interference for GUATEMALA

Percentile	Raw Score
95	15.5
90	11.8
85	7.5
80	5.8
70	2.7
60	0.8
50	-1.3
40	-3.4
30	-5.4
20	-7.3
15	-9.3
10	-12.1
5	-16.3

Percentile	Raw Score
95	12.2
90	9.5
85	8.2
80	6.5
70	4.6
60	3.5
50	2.0
40	1.1
30	-0.9
20	-2.4
15	-4.8
10	-5.4
5	-7.3

Table A40 Normative data for the Stroop Interference for HONDURAS

 Table A41

 Normative data for the Stroop Interference stratified by age and education levels for MEXICO

			inative u		~~~F									
							A	Age (Years	5)					
	Percentile	18-22	23-27	28-32	33–37	38–42	43–47	48–52	53–57	58-62	63–67	68–72	73–77	>77
	95	23.8	23.2	22.6	21.9	21.3	20.7	20.0	19.4	18.8	18.2	17.5	16.9	16.3
	90	20.2	19.5	18.9	18.3	17.7	17.0	16.4	15.8	15.2	14.5	13.9	13.3	12.7
ц	85	17.8	17.1	16.5	15.9	15.2	14.6	14.0	13.4	12.7	12.1	11.5	10.9	10.2
tio	80	15.7	15.1	14.5	13.9	13.2	12.6	12.0	11.3	10.7	10.1	9.5	8.8	8.2
nca	70	12.5	11.9	11.2	10.6	10.0	9.4	8.7	8.1	7.5	6.9	6.2	5.6	5.0
ed	60	9.8	9.1	8.5	7.9	7.3	6.6	6.0	5.4	4.8	4.1	3.5	2.9	2.3
of	50	7.3	6.6	6.0	5.4	4.7	4.1	3.5	2.9	2.2	1.6	1.0	0.4	-0.3
ars	40	4.7	4.1	3.5	2.8	2.2	1.6	1.0	0.3	-0.3	-0.9	-1.5	-2.2	-2.8
>12 years of education	30	2.0	1.4	0.7	0.1	-0.5	-1.1	-1.8	-2.4	-3.0	-3.6	-4.3	-4.9	-5.5
~12	20	-1.2	-1.9	-2.5	-3.1	-3.7	-4.4	-5.0	-5.6	-6.2	-6.9	-7.5	-8.1	-8.7
~	15	-3.2	-3.9	-4.5	-5.1	-5.8	-6.4	-7.0	-7.6	-8.3	-8.9	-9.5	-10.1	-10.8
	10	-5.7	-6.3	-6.9	-7.6	-8.2	-8.8	-9.4	-10.1	-10.7	-11.3	-11.9	-12.6	-13.2
	5	-9.3	-9.9	-10.6	-11.2	-11.8	-12.4	-13.1	-13.7	-14.3	-14.9	-15.6	-16.2	-16.8
	95	21.8	21.2	20.5	19.9	19.3	18.7	18.0	17.4	16.8	16.1	15.5	14.9	14.3
	90	18.2	17.5	16.9	16.3	15.6	15.0	14.4	13.8	13.1	12.5	11.9	11.3	10.6
on	85	15.7	15.1	14.5	13.8	13.2	12.6	12.0	11.3	10.7	10.1	9.5	8.8	8.2
cati	80	13.7	13.1	12.5	11.8	11.2	10.6	10.0	9.3	8.7	8.1	7.4	6.8	6.2
que	70	10.5	9.9	9.2	8.6	8.0	7.3	6.7	6.1	5.5	4.8	4.2	3.6	3.0
fe	60	7.8	7.1	6.5	5.9	5.2	4.6	4.0	3.4	2.7	2.1	1.5	0.9	0.2
s	50	5.2	4.6	4.0	3.3	2.7	2.1	1.5	0.8	0.2	-0.4	-1.0	-1.7	-2.3
cai	40	2.7	2.1	1.5	0.8	0.2	-0.4	-1.1	-1.7	-2.3	-2.9	-3.6	-4.2	-4.8
2 y	30	0.0	-0.6	-1.3	-1.9	-2.5	-3.2	-3.8	-4.4	-5.0	-5.7	-6.3	-6.9	-7.5
1 to 12 years of education	20	-3.3	-3.9	-4.5	-5.1	-5.8	-6.4	-7.0	-7.6	-8.3	-8.9	-9.5	-10.1	-10.8
1 t	15	-5.3	-5.9	-6.5	-7.1	-7.8	-8.4	-9.0	-9.7	-10.3	-10.9	-11.5	-12.2	-12.8
	10	-7.7	-8.3	-8.9	-9.6	-10.2	-10.8	-11.5	-12.1	-12.7	-13.3	-14.0	-14.6	-15.2
	5	-11.3	-12.0	-12.6	-13.2	-13.8	-14.5	-15.1	-15.7	-16.3	-17.0	-17.6	-18.2	-18.8

	Age (Years)													
	Percentile	18–22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77
	95	16.3	16.0	15.6	15.2	14.9	14.5	14.1	13.8	13.4	13.0	12.7	12.3	11.9
>12 years of education	90	13.7	13.3	13.0	12.6	12.2	11.9	11.5	11.1	10.8	10.4	10.0	9.7	9.3
	85	12.0	11.6	11.2	10.9	10.5	10.1	9.8	9.4	9.0	8.7	8.3	7.9	7.6
	80	10.5	10.1	9.8	9.4	9.0	8.7	8.3	7.9	7.6	7.2	6.8	6.5	6.1
uca	70	8.2	7.8	7.4	7.1	6.7	6.3	6.0	5.6	5.2	4.9	4.5	4.1	3.8
edi	60	6.2	5.8	5.5	5.1	4.7	4.4	4.0	3.6	3.3	2.9	2.5	2.2	1.8
of	50	4.4	4.0	3.6	3.3	2.9	2.6	2.2	1.8	1.5	1.1	0.7	0.4	0.0
ars	40	2.6	2.2	1.8	1.5	1.1	0.7	0.4	0.0	-0.4	-0.7	-1.1	-1.5	-1.8
ye	30	0.6	0.2	-0.1	-0.5	-0.9	-1.2	-1.6	-2.0	-2.3	-2.7	-3.1	-3.4	-3.8
.12	20	-1.7	-2.1	-2.5	-2.8	-3.2	-3.6	-3.9	-4.3	-4.7	-5.0	-5.4	-5.8	-6.1
Λ	15	-3.2	-3.6	-3.9	-4.3	-4.7	-5.0	-5.4	-5.7	-6.1	-6.5	-6.8	-7.2	-7.6
	10	-4.9	-5.3	-5.7	-6.0	-6.4	-6.8	-7.1	-7.5	-7.9	-8.2	-8.6	-9.0	-9.3
	5	-7.6	-7.9	-8.3	-8.7	-9.0	-9.4	-9.8	-10.1	-10.5	-10.8	-11.2	-11.6	-11.9
	95	9.9	9.5	9.2	8.8	8.4	8.1	7.7	7.3	7.0	6.6	6.3	5.9	5.5
	90	7.3	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.4	4.0	3.6	3.3	2.9
on	85	5.5	5.2	4.8	4.4	4.1	3.7	3.3	3.0	2.6	2.2	1.9	1.5	1.2
1 to 12 years of education	80	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.2	0.8	0.4	0.1	-0.3
qu	70	1.8	1.4	1.0	0.7	0.3	-0.1	-0.4	-0.8	-1.2	-1.5	-1.9	-2.3	-2.6
ofe	60	-0.2	-0.6	-0.9	-1.3	-1.7	-2.0	-2.4	-2.8	-3.1	-3.5	-3.9	-4.2	-4.6
rs c	50	-2.0	-2.4	-2.8	-3.1	-3.5	-3.9	-4.2	-4.6	-5.0	-5.3	-5.7	-6.1	-6.4
/ea	40	-3.9	-4.2	-4.6	-4.9	-5.3	-5.7	-6.0	-6.4	-6.8	-7.1	-7.5	-7.9	-8.2
5	30	-5.8	-6.2	-6.5	-6.9	-7.3	-7.6	-8.0	-8.4	-8.7	-9.1	-9.5	-9.8	-10.2
0]	20	-8.1	-8.5	-8.9	-9.2	-9.6	-10.0	-10.3	-10.7	-11.1	-11.4	-11.8	-12.2	-12.5
11	15	-9.6	-10.0	-10.3	-10.7	-11.1	-11.4	-11.8	-12.2	-12.5	-12.9	-13.3	-13.6	-14.0
	10	-11.4	-11.7	-12.1	-12.4	-12.8	-13.2	-13.5	-13.9	-14.3	-14.6	-15.0	-15.4	-15.7
	5	-14.0	-14.3	-14.7	-15.1	-15.4	-15.8	-16.2	-16.5	-16.9	-17.3	-17.6	-18.0	-18.4

Table A42 Normative data for the Stroop Interference stratified by age and education levels for PARAGUAY

 Table A43

 Normative data for the Stroop Interference stratified by age for PERU

	Age (Years)													
Percentile	18-22	23–27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77	
95	19.9	19.1	18.3	17.5	16.6	15.8	15.0	14.2	13.4	12.6	11.8	11.0	10.2	
90	16.5	15.7	14.9	14.1	13.2	12.4	11.6	10.8	10.0	9.2	8.4	7.6	6.7	
85	14.2	13.4	12.6	11.8	11.0	10.2	9.3	8.5	7.7	6.9	6.1	5.3	4.5	
80	12.3	11.5	10.7	9.9	9.1	8.3	7.5	6.6	5.8	5.0	4.2	3.4	2.6	
70	9.3	8.5	7.7	6.9	6.0	5.2	4.4	3.6	2.8	2.0	1.2	0.4	-0.4	
60	6.7	5.9	5.1	4.3	3.5	2.7	1.9	1.1	0.2	-0.6	-1.4	-2.2	-3.0	
50	4.4	3.6	2.8	1.9	1.1	0.3	-0.5	-1.3	-2.1	-2.9	-3.7	-4.6	-5.4	
40	2.0	1.2	0.4	-0.4	-1.2	-2.1	-2.9	-3.7	-4.5	-5.3	-6.1	-6.9	-7.7	
30	-0.5	-1.4	-2.2	-3.0	-3.8	-4.6	-5.4	-6.2	-7.0	-7.9	-8.7	-9.5	-10.3	
20	-3.6	-4.4	-5.2	-6.0	-6.8	-7.6	-8.4	-9.3	-10.1	-10.9	-11.7	-12.5	-13.3	
15	-5.5	-6.3	-7.1	-7.9	-8.7	-9.5	-10.3	-11.2	-12.0	-12.8	-13.6	-14.4	-15.2	
10	-7.7	-8.6	-9.4	-10.2	-11.0	-11.8	-12.6	-13.4	-14.2	-15.0	-15.9	-16.7	-17.5	
5	-11.1	-12.0	-12.8	-13.6	-14.4	-15.2	-16.0	-16.8	-17.6	-18.5	-19.3	-20.1	-20.9	

	Age (Years)													
Percentile	18-22	23-27	28-32	33–37	38-42	43–47	48-52	53–57	58-62	63–67	68–72	73–77	>77	
95	25.3	24.1	23.0	21.9	20.7	19.6	18.4	17.3	16.2	15.0	13.9	12.8	11.6	
90	21.7	20.5	19.4	18.3	17.1	16.0	14.8	13.7	12.6	11.4	10.3	9.2	8.0	
85	19.3	18.1	17.0	15.9	14.7	13.6	12.4	11.3	10.2	9.0	7.9	6.8	5.6	
80	17.3	16.1	15.0	13.9	12.7	11.6	10.4	9.3	8.2	7.0	5.9	4.8	3.6	
70	14.1	12.9	11.8	10.7	9.5	8.4	7.2	6.1	5.0	3.8	2.7	1.6	0.4	
60	11.4	10.2	9.1	8.0	6.8	5.7	4.5	3.4	2.3	1.1	0.0	-1.1	-2.3	
50	8.9	7.7	6.6	5.5	4.3	3.2	2.0	0.9	-0.2	-1.4	-2.5	-3.6	-4.8	
40	6.4	5.2	4.1	3.0	1.8	0.7	-0.5	-1.6	-2.7	-3.9	-5.0	-6.1	-7.3	
30	3.7	2.5	1.4	0.3	-0.9	-2.0	-3.2	-4.3	-5.4	-6.6	-7.7	-8.8	-10.0	
20	0.5	-0.7	-1.8	-2.9	-4.1	-5.2	-6.4	-7.5	-8.6	-9.8	-10.9	-12.0	-13.2	
15	-1.5	-2.7	-3.8	-4.9	-6.1	-7.2	-8.3	-9.5	-10.6	-11.8	-12.9	-14.0	-15.2	
10	-3.9	-5.1	-6.2	-7.3	-8.5	-9.6	-10.7	-11.9	-13.0	-14.2	-15.3	-16.4	-17.6	
5	-7.5	-8.7	-9.8	-10.9	-12.1	-13.2	-14.3	-15.5	-16.6	-17.8	-18.9	-20.0	-21.2	

 Table A44

 Normative data for the Stroop Interference stratified by age for PUERTO RICO