

Learning a Second Language Unconsciously

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Abstract

he inclusion of unconscious language-learning streams into L2 curriculum anguage-learning and scholars have called into question the exclusion of correlation, AG-scores had no significant correlation, and p-scores had a significant compared to the students' corresponding LLAMAD-, AG- and p-scores resulting from ated on comprehensibility and accentedness. The averaged ratings were then ptitude scores [LLAMAD, Artificial Grammar (AG), and Passive Priming (p)] on L2 he purpose of this study is to assess the bearing of 3 different implicit language ducation at large; L2 education traditionally centers on conscious (explicit) egative correlation with L2 speech performance. These results have a bearing on L2 peech samples were recorded by Chinese college student English-L2 learners and cores would have significant positive correlations with L2 speech performance. 250 conscious (implicit) language-learning. This data suggests conflicting support for parate tests. It was found that LLAMAD-scores had a significant positive ech performance. It was hypothesized that all three of these implicit aptitude

- language spoken in the area, making the learning of a second language (L2) more difficult for most individuals. Implicit aptitude, which is one's unconscious tendency now priming impacts one's ability to learn an L2 States by individuals from those areas. The purpose of this study is to determine success of L2 oral production. A clear example of this comes from research on a highly coveted skill. Studies indicate that one's primary language (L1) is learned students whose L2 is English, as English is typically associated with the United earning; studies have shown that motivation and desire to learn impacts the to associate certain attitudes with objects or people, plays a part in language Language leaming is a widely applicable concept to many, as the increase in diversity, particularly in the United States, makes proficiency in multiple languages home in an environment where the language is the official or most popular
- aptitude and English fluency in students whose L2 is English. This study uses correlational analyses to measure the correlation between implicit
- Are negative attitudes towards areas with English as L1 associated with a lack of fluency in individuals with English as L2?
- fluency in L2 with the implicit aptitude. aptitude towards the English language is negative, and thus correlate a lack of (LLAMAD), and Syntax Priming tasks (p) may indicate that the participant's implicit Tools such as Artificial Grammar (AG) tests, unconscious memory tasks
- The hypothesis suggests that more priming will lead to increased scores on comprehensibility and accentedness.

Methods

- 250 University students in China who have learned English as a second
- The students summarized the film in 5 minutes or less in the L2. language were asked to watch a short film.

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- The students' summaries of the short film were recorded and sent to the research assistants.
- The recordings were graded on a scale of 0 to 10 for two categories each comprehensibility and accentedness. The audio recordings were divided across a total of 28 surveys.
- Over several weeks, we graded the audios on a case by case basis.
- The concept of implicit language aptitude was conceptualized and measured. We analyzed the statistics using SPSS to determine the strength of the relationship between innate cognitive ability and language proficiency
- The effectiveness of different cognitive abilities was compared to find which are most essential in language aptitude.

Results

		Speech_spring2022_total			Speech_spring2022_accent			Speech_spring2022_comp		T	ъ			AG			LLAMAD		0
z	Sig. (2-tailed)	Pearson correlation	z	Sig. (2-tailed)	Pearson correlation	z	Sig. (2-tailed)	Pearson correlation	z	Sig. (2-tailed)	Pearson correlation	z	Sig. (2-tailed)	Pearson correlation	Z	Sig. (2-tailed)	Pearson correlation		Correlation Analysis
162	.039	.162*	162	.013	.194*	162	.114	.125	166	.774	.022	165	.177	106	167		1	LLAMAD	
160	.328	.078	160	.576	.045	160	.199	.102	164	.077	138	165		1	165	.177	106	AG	
161	.031	170*	161	.037	165	161	.037	164*	166		_	164	.077	138	166	.774	.022	р	

with the speech performance. total scores. The Artificial Grammar score did not show any significant correlations showing low scores on the comprehensibility, accentedness, as well as the low (r = -.165, p = .037), and the total score (r = -.170, p = .031). It means that the the ESL learners' comprehensibility score (r = -.164, p = .037), accentedness score LLAMAD score was found to have a positive significant correlation with the earners who showed more priming performed poorly on the speech performance score, on the other hand, was found to be significantly negatively correlated with high score on their accentedness and total speech performance. The Priming .039). It indicates that those who scored high on the LLAMAD test also received accentedness score (r = .194, p = .013) and the total speech score (r = .162, p =

			Coefficients	2		
	Unsta	Unstandardized Coefficients	Coefficients	Standa	Standardized Coefficients	ficients
odel		В	Std. Error	Beta	t	Sig.
_	Constant	3.692	.637		5.793	.000
	LLAMAD	.000	.000	.176	2.259	.025
	AG	.017	.019	.070	.886	.377
	P	-4.975E-5	.000	169	-2.154	.033

Fig. 2 a: Dependent Variable is Speech_spring2022_total

Multiple regression with the total score as the dependent variable showed similar findings. LLAMAD significantly and positively predicted the total speech performance (β = .176, p = .025) and Priming negatively did so (β = -.169, p =

LLAMAD: Measures unconscious learning ability

AG (artificial grammar): Tested the participants ability to memorize. Includes a learning phase and a testing phase.

p (Passive Priming): How likely somebody is to reuse linguistic structure

- Correlation is significant at the 0.05 level (2-tailed).
- Correlation is significant at the 0.01 level (2-tailed)

Discussion

ımmary of Results

- Students who performed well in the LLAMAD Language Aptitude Test (LLAMA_D)
 also performed better in terms of accentedness, with higher scores in LLAMA_D correlating to lower levels of accentedness. They also generally scored higher in al
- udents who were easily primed performed worse in accentedness (were more
- Priming susceptibility and LLAMA_D scores seem to be significant predictors in being a positive predictor on accentedness and comprehensibility. second language aptitude, with priming being a negative predictor whilst LLAMA
- A non-racially and non-ethnically diverse student sample was used (only Chinese
- levels of accentedness and comprehensibility, allowing for better scoring criteria. Accentedness and comprehensibility scores varied depending on rater, resulting Lack of more concise measures that make clear distinction between the different questionable inter-rater reliability

uture Directions

- A more ethnically diverse student sample should be used as race and ethnicity ethnicity or race. might be correlated to resemblance of the language being learned to one of one's might affect second language aptitude. In addition, aptitude for a second language
- priming have a negative effect instead? is known to improve cognitive and behavioral reactions. In this case, why did Look further into the effectiveness of priming as a language learning method Priming usually has a positive connotation when it comes to language learning.

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