



An Earlier Detection of Language Attrition

Measuring language attrition with the Bilingual Language Profile and the HALA project

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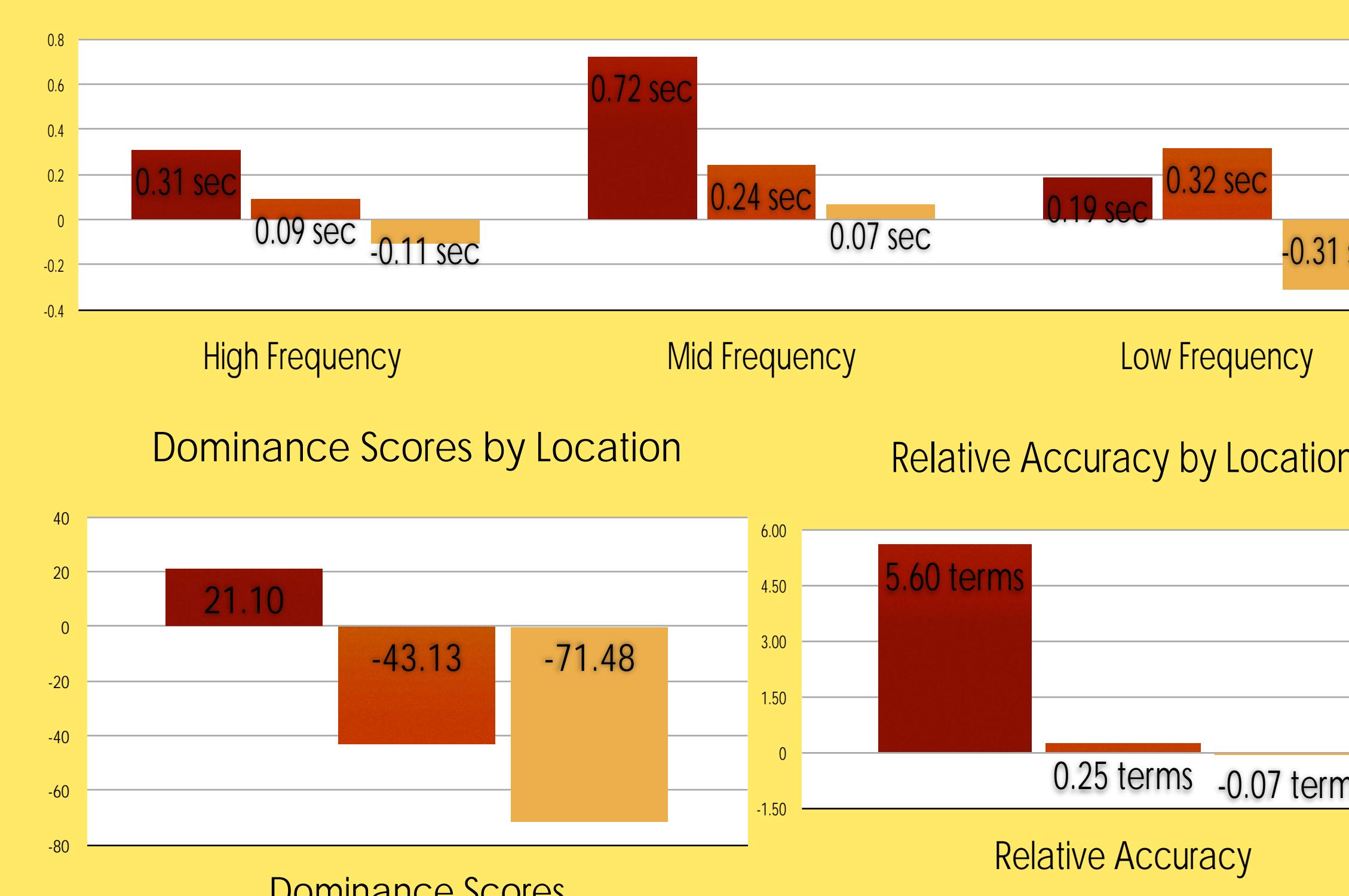
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Results by Location

■ City ■ Town ■ Village

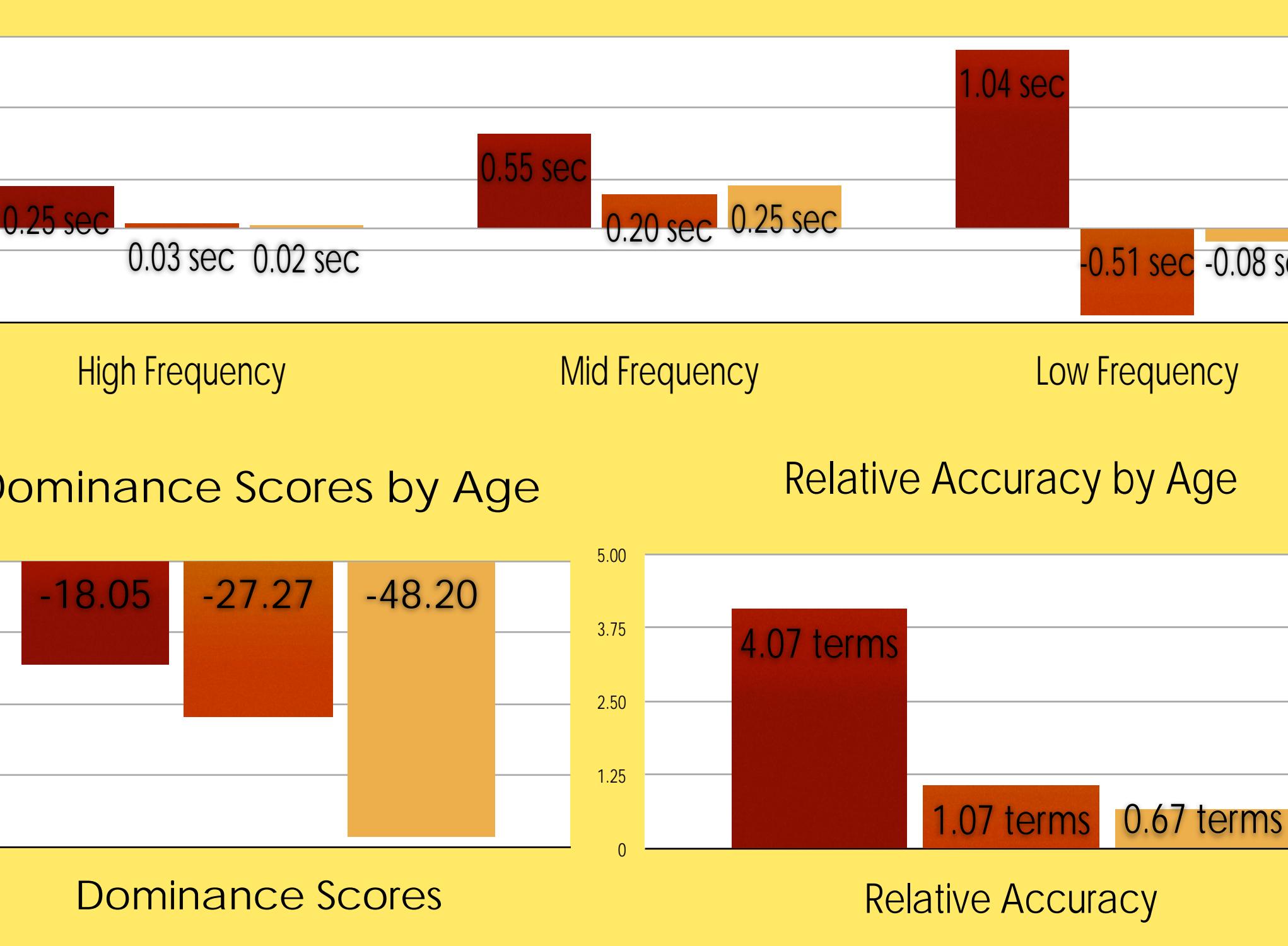
Relative Speed (Both Terms Correct) by Location



Results by Age

■ Youth ■ Adults ■ Older Adults

Relative Speed (Both Terms Correct) by Age



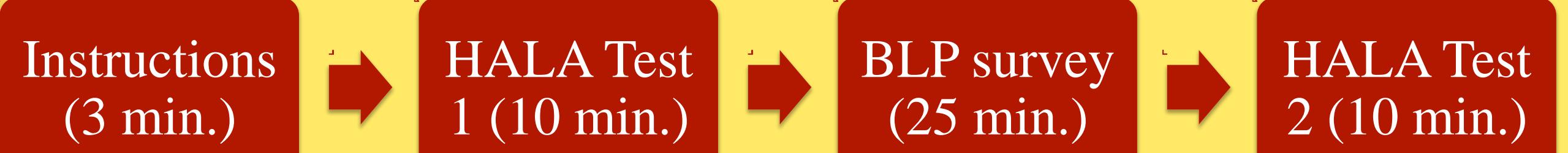
Introduction

- Early detection of language attrition among bilingual speakers is vital for language planning and development.
- In recent years, two tools were independently created to effectively measure relative language dominance among multilingual speakers.
- The Bilingual Language Profile (BLP) is a questionnaire, where by answering questions regarding language history, use, proficiency and attitudes, speakers are given a continuous, relative dominance score.
- The Hawai'i Assessment of Language Access (HALA) project has developed a body-part naming task that gives a comparable gauge of relative language strength by measuring the speed with which bilingual speakers access lexical items in their two languages.

Method

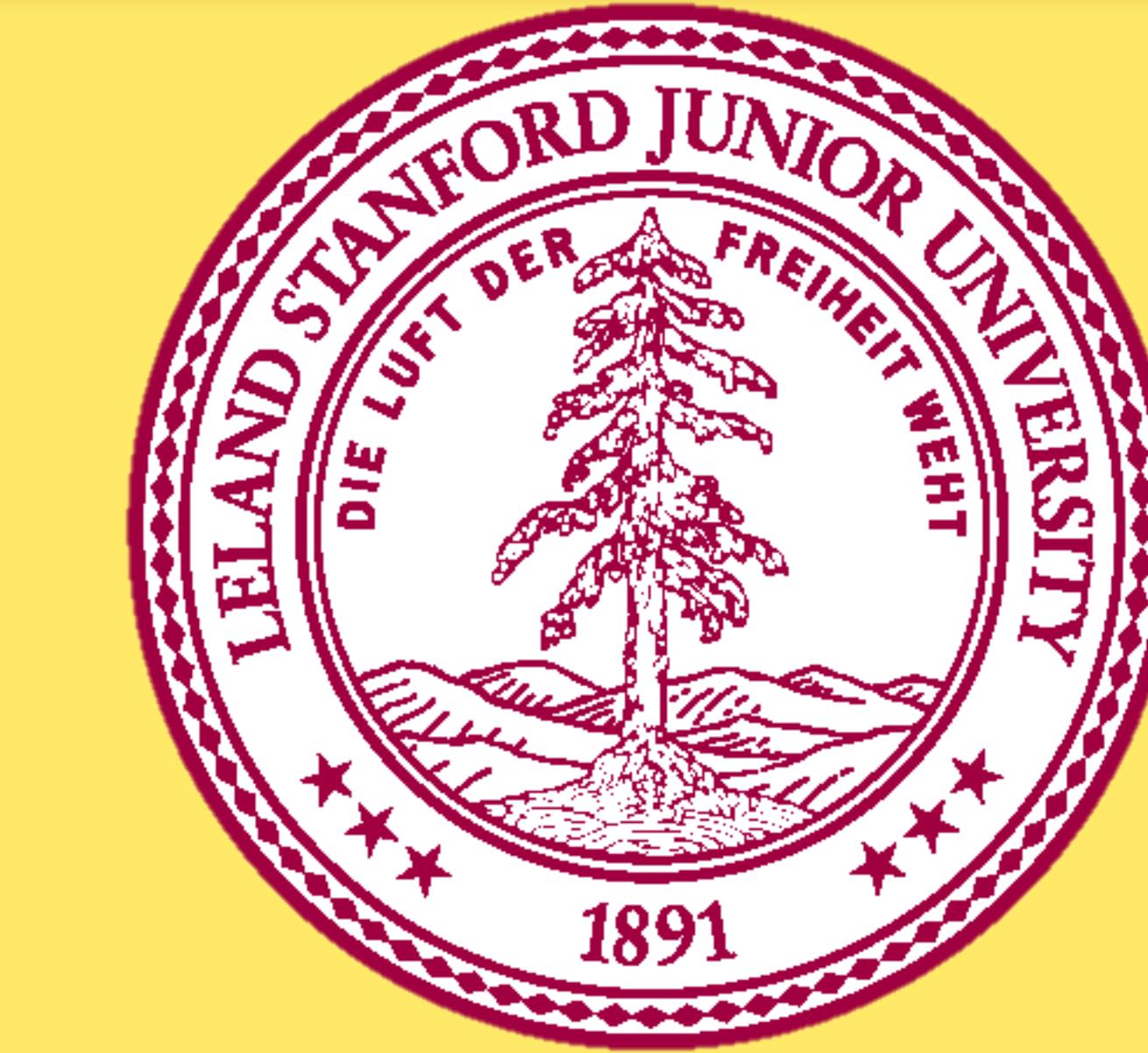
Participants. HALA (n=99) BLP+ (n=818) Subgroup (n=45). Forty-five participants were randomly selected to include five Youth (<18), Adults (19-44) and Older Adults (45+) who reside in villages (pop < 1000), towns (regional centers) or cities (Cheboksary, Novocheboksarsk) in Chuvashia, Russia.

Materials. HALA: quiet room, laptop, Order 1 & Order 2 video files, condenser mic, recorder BLP: an electronic and paper version of the survey in both languages.



Procedure. The speaker is given instructions on how to complete the test. Five minutes in the testing language are allotted before testing. Speakers name 31 lexical items as quickly as possible in one of their languages, and then the other. Between the two tests, participants are orally guided through the BLP+ survey. Once both tests are recorded, speech-onset times are measured in milliseconds and compared between languages. Only lexical items answered correctly are measured and compared.

The BLP survey (19 Q) is scored on a scale of +218 to -218, where positive shows Russian dominance, negative shows Chuvash dominance and zero indicates balanced bilingualism.



Discussion

- Modifications**
 - Additional Attitude Questions on BLP
 - Five minute "Language Switch" before HALA
 - Less time between HALA tests
 - Test 2 is answered on average 6 ms faster
 - Recalculated frequency for HALA test items
 - Rewrote HALA scripts for accuracy & consistency
- Proposed Modifications**
 - Questions regarding language future on BLP
 - More flexibility with term choice/order on HALA
 - Sample analysis worksheet for HALA for ease-of-use
 - HALA survey to code speakers by Ig. acquisition,
- Challenges**
 - HALA
 - Age of acquisition, cross-linguistic frequency, word structure variables
 - BLP
 - Validity limitations (self-report)

Selected References

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Acknowledgments

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For further information

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BLP test materials, go to: [http://sites.utexas.edu/bilingual](https://sites.utexas.edu/bilingual)
HALA test materials, go to: <http://www.ling.hawaii.edu/research/hala.html>

