Predicting Risk for Reading Difficulty among Young Dual Language Learners: Combining Spanish and English

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What is the relation between measures of **English language** (vocabulary, MLU, and morphosyntax) and **English reading skills** at *lower quantiles* of English reading compared to *higher quantiles* of English reading?

How do **Spanish language skills** contribute to predicting English reading skills *across the quantiles* of English reading?
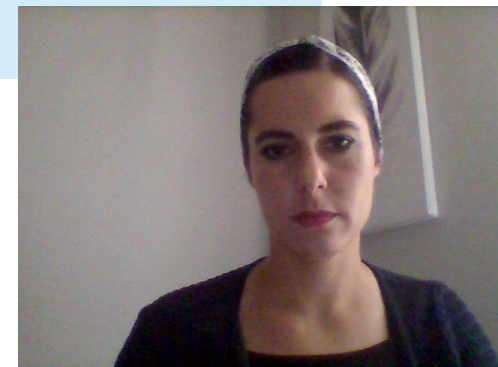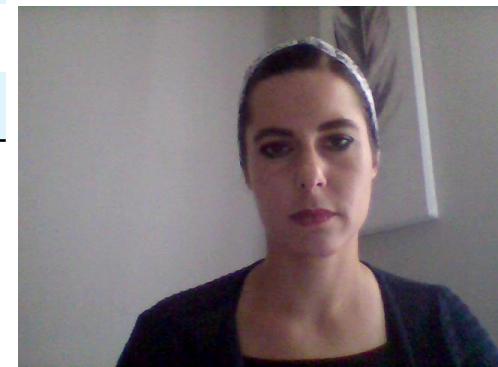
Participant sample (recruited from South Carolina and Nebraska)

- 129 Spanish-English speaking children in Kindergarten and Grade 1

- Completed language and reading assessments during 2019-2020 year
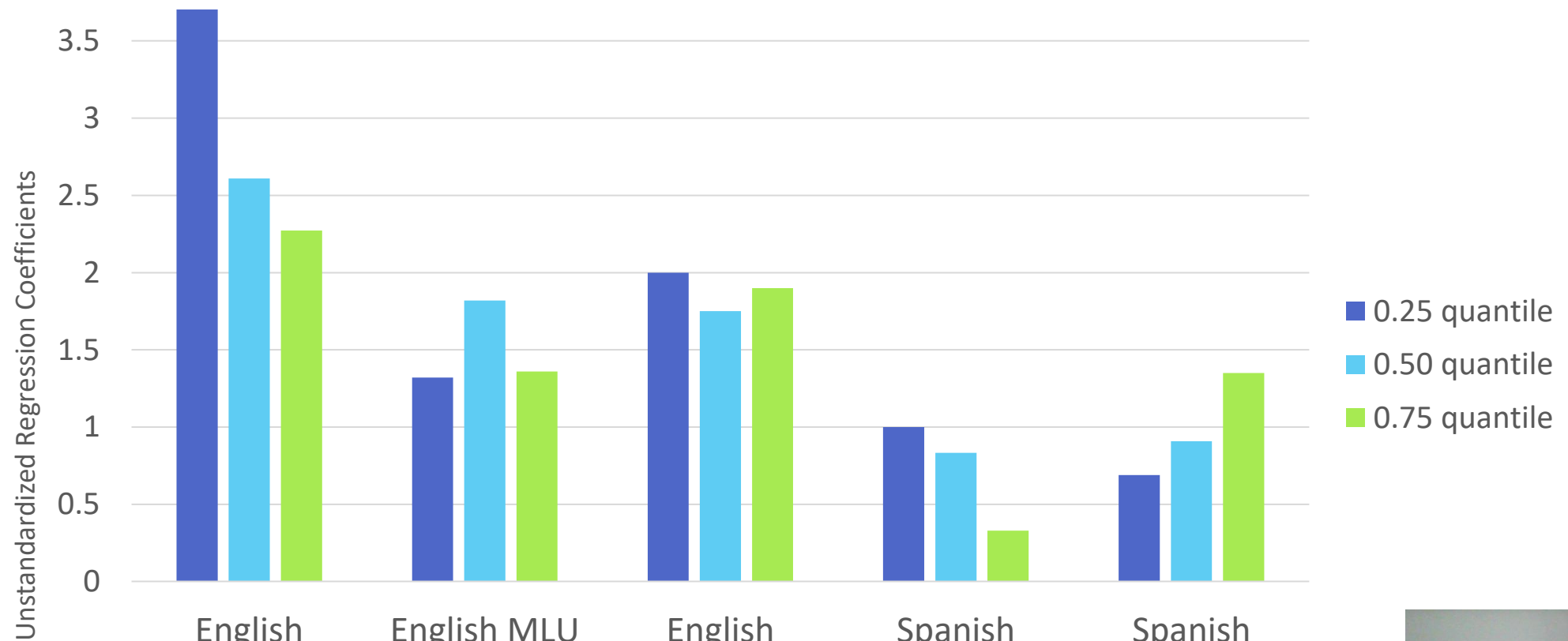
- Educated in English-only classrooms

Descriptives for Participants' Standardized Scores on Key Measures

	M	SD	Min	Max
Age (years)	6.33	0.68	5.17	7.83
EOWPVT-4 SBE (English-only vocab)	97.63	17.76	55	145
EOWPVT-4 SBE (Spanish-only vocab)	80.7	17.84	55	129
EOWPVT-4 SBE (conceptual vocab)	102.17	16.51	55	145
BESA Sentence Repetition (English)*	8.23	3.52	1	13
BESA Sentence Repetition (Spanish)*	7.47	3.33	1	14
WMLS Letter Word ID	84.97	16.37	50	126
WMLS Passage Comprehension	90.84	11.71	55	118
WMLS Reading Composite	87.46	13.69	52	121

*Scaled scores, which range from 1-20

Predicting English Reading Across the Quantiles of English Reading

Unstandardized Regression Coefficients

Legend:
- 0.25 quantile
- 0.50 quantile
- 0.75 quantile

Categories: English Vocabulary*, English MLU, English Sentence Repetition, Spanish Sentence Repetition, Spanish Vocabulary*
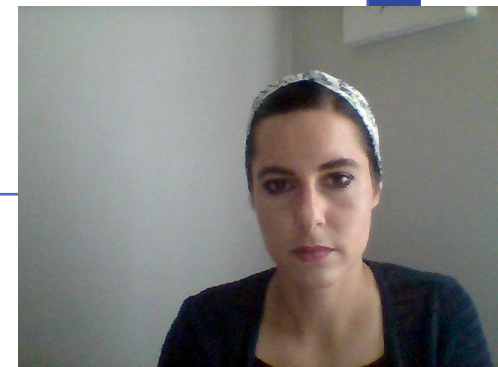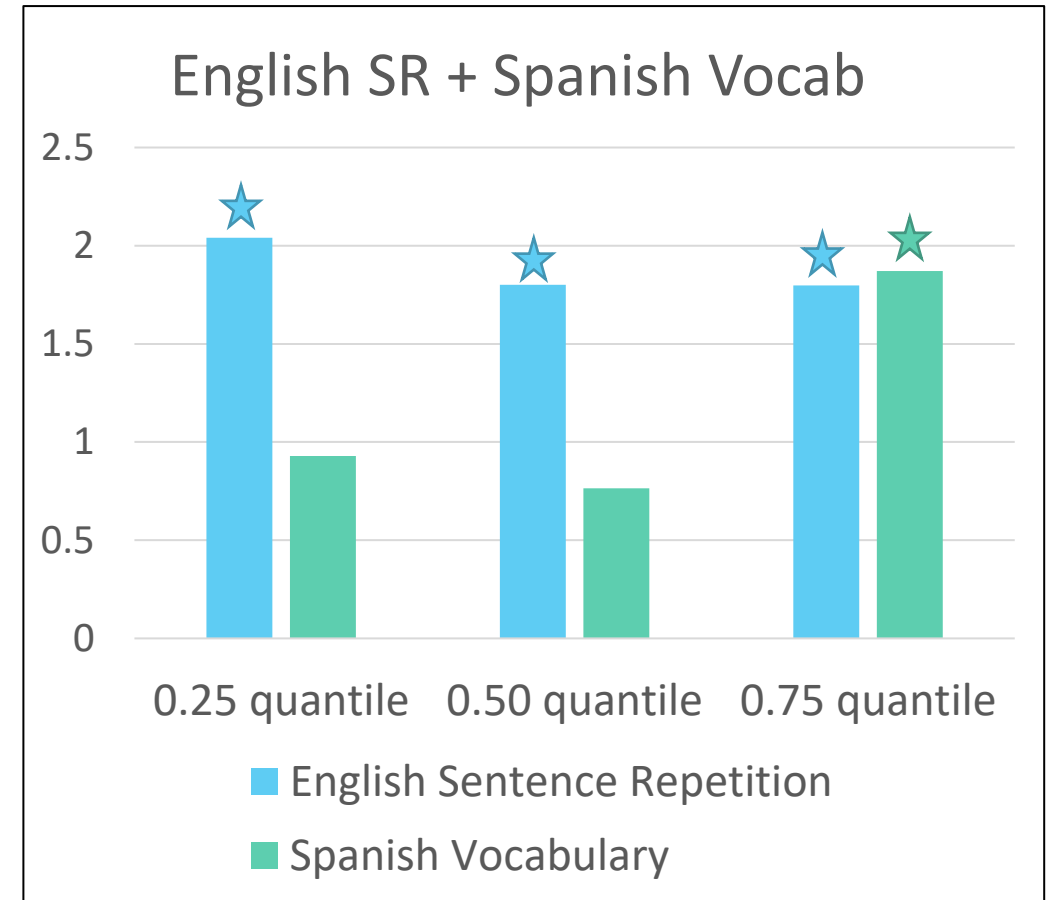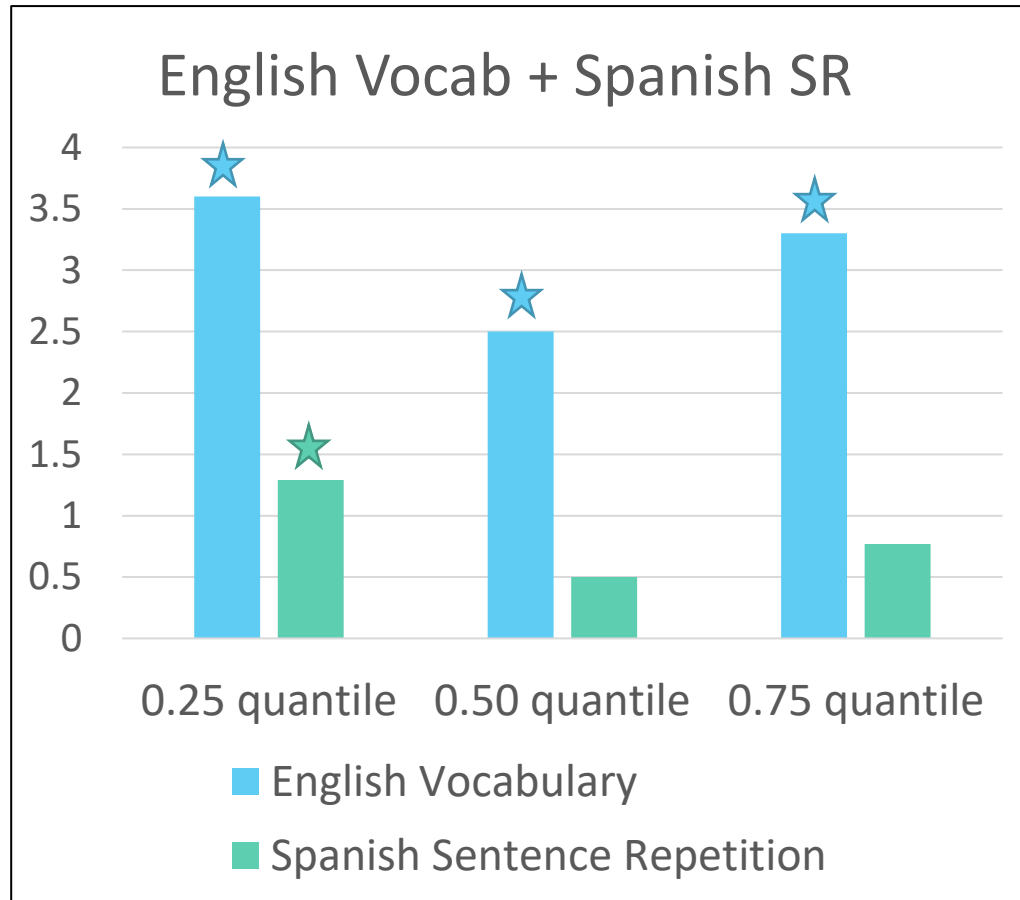
OLS = 3.17 (0.61)
OLS = 1.88 (0.61)
OLS = 1.87 (0.32)
OLS = 0.87 (0.40)
OLS = 1.01 (0.72)

Predicting English Reading Across the Quantiles of English Reading

English Vocab + Spanish SR

English SR + Spanish Vocab

Additional Results:

1. Spanish sentence repetition did **not** contribute to predicting English reading above and beyond English MLU or English sentence repetition at any of the quantiles of English reading.
2. Spanish vocabulary contributed to predicting English reading above and beyond English MLU and English vocabulary **only** at the upper quantiles of English reading.