# WORKING TITLE: PERCEPTION OF PATTERNS OF RELATIVE FORMANT CHANGE IN REDUCED, VOICED, STOP CONSONANTS

by

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In Partial Fulfillment of the Requirements For the Degree of

DOCTOR OF PHILOSOPHY

In the Graduate College

THE UNIVERSITY OF ARIZONA

## THE UNIVERSITY OF ARIZONA GRADUATE COLLEGE

As members of the Dissertation Committee, we certify to sertation prepared by Megan Marie Willi entitled Working Title: Perception of Patterns of Relative duced, Voiced, Stop Consonants and recommend that it be accepted as fulfilling the disser Degree of Doctor of Philosophy.	ve Formant Change in Re-
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Final approval and acceptance of this dissertation is conting submission of the final copies of the dissertation to the G I hereby certify that I have read this dissertation prepare recommend that it be accepted as fulfilling the dissertation	raduate College. ed under my direction and
Dissertation Director: Brad Story	Date: 10 April 2017

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SIGNED: Megan Marie Willi

#### ACKNOWLEDGEMENTS

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### DEDICATION

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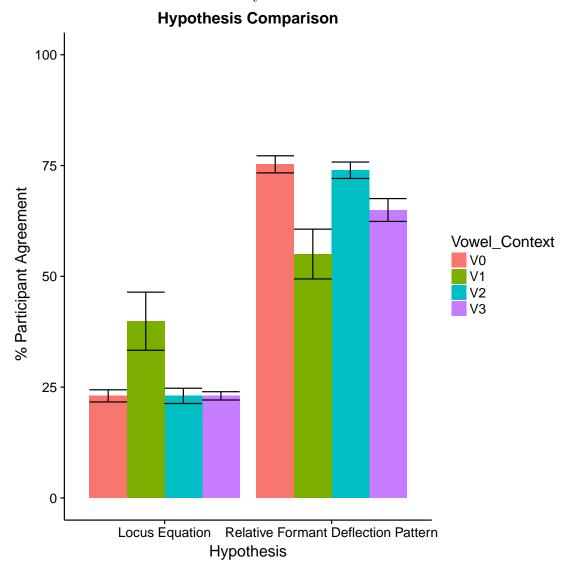
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#### ABSTRACT

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	Hypothesis	Vowel	Mean	Standard Deviation
1	LE	V0	23.03	4.54
2	$_{ m LE}$	V1	39.88	21.75
3	$_{ m LE}$	V2	23.03	5.72
4	$_{ m LE}$	V3	23.03	3.10
5	RFDP	V0	75.27	6.40
6	RFDP	V1	55.03	18.62
7	RFDP	V2	73.94	6.15
8	RFDP	V3	64.97	8.54

Table 1: Percent Participant Agreeement

