



















he replicatio	n study
Difference	Justification
Data was collected onlin using Prolific	Main goal of study was to investigate if previously laboratory speech perception research could be replicated online
Variety of English spoke by participants was different	n Current study collected data from native speakers of American English (rather than Australian English) due to restrictions in Prolific's participant pool (~25 active participants on Prolific who were native speakers of Australian English and spoke French as an L2)
L2 proficiency level was higher	The threshold of L2 proficiency levels in the present study had to be wider and higher due to availability of participants on Prolific
No lip-reading data collected	Replicating lip-reading portion would have significantly lengthened experiment time, likely leading to a larger drop-out rate and lower quality data in an online setting (Finley & Penningroth, 2015)

Besults

• Participants who scored higher on the nonword repetition task (indicative of higher phonological short-term memory) were significantly more likely to have higher scores on the vowel identification task than those with lower PSTM [t= 5.75; p< 0.001]</td>
Image: Colspan="2">Image: Colspan="2" Image: Cols

Replication Study Results							
Descri	ptive statistics: identificatio	! French vowel task		Des	Descriptive statistics: Non-word repetition task		
	Original study	Replication study			Original study	Replication study	
Mean	59.00	42.99] [Mean	54.09	33.19	
SD	15.35	16.73		SD	12.41	16.59	
Max	Not provided	83.33		Max	75.00	75.00	
Min	Not provided	10.19		Min	31.25	6.25	
						13	







