

助教 / 学士

エドウィン ハート

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学歴

ラトガーズ州立大学、東アジアの言語と文化研究の文学士、比較世界宗教副専攻

経歴

JETプログラム高校ALT 2006-2011

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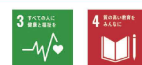
外国語担当助教、福井工業大学 2014-present

相談・講演・共同研究に応じられるテーマ

Use of Technology in the Classroom; Lessons and Strategies for Non-Academic Senior High Schools; Introduction to American English Dialects

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主な研究と特徴

「Facemask occlusion's impact on L2 listening comprehension」

Since the start of the COVID-19 pandemic, the wearing of face masks during all interpersonal contact has become our “new normal.” Though an indispensable part of our daily outings, it is indisputable that masks impede verbal communication by both muffling speech sounds and blocking visual cues (e.g., facial expressions, emotional information) from view. However, while past studies have suggested that these factors do not cause significant impediments to comprehension among speakers of the same first language, this study sought to investigate the impact that masked speech had on language learners' comprehension of a second language. A sample of 192 Japanese university students were divided into groups of 64 and asked to listen to a short (89 second) speech in English. In order to isolate the effects of visual cues on listening comprehension, the same audio recording was used for all of the experimental groups. Condition One was a video of a speaker with no mask (the audio from this recording was used in the subsequent groups). Condition Two was a video of the same speaker wearing a mask, with the audio from the unmasked video dubbed over it. Condition Three was just the audio recording. Results indicated that learners had significantly more difficulty comprehending the speech when viewing a masked speaker, even more so than when they were just listening to voice recording (i.e., with no accompanying picture).

Though the wearing of facemasks makes it more difficult for students to understand what is being spoken, one should not infer that the best solution is to abolish the use of masks in the learning environment altogether. Rather, it is important for educators to adapt and develop pedagogies which can work around such difficulties in order to best serve the students and their learning (e.g. online/video lessons).

表1. Descriptive Statistics of Comprehension Quiz Scores

	Group NM		Group M		Group AO	
	M	SD	M	SD	M	SD
English Proficiency	31.65	10.45	31.14	10.09	32.14	9.44
Quiz Score	5.92	1.24	4.84	1.87	5.56	1.51

Note. All groups $n = 64$.

English proficiency scale = 0: min, 50: max.

The scoring scale was = 0: min, 10: max.

表2. Pairwise Mann-Whitney Test Output(with Bonferroni corrections)

	z	p	r	95% CI
NM – M	3.45**	< .001	.31	[.13, .45]
M – AO	-2.14*	.03	.19	[.01, .35]
NM – AO	1.48	.14	.13	[-.04, .30]

Note. * denotes significance at the $p = .05$ level.** denotes significance at the $p < .001$ level.

今後の展望

Lee, B. J., & Hart, E. T. (2022). Facemask occlusion's impact on L2 listening comprehension. *Speech Communication*, 139 (2022), 45-50. <https://doi.org/10.1016/j.specom.2022.03.005>