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Patent Search

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Abstract:

Abstract Phonetic drift occurs when a person's proficiency in their native language (L1) declines due to their disclosure to a foreign language (FL) in the past several years. Perception drift occurs with as little as 1.5 hours of exposure to FL. The current work looked at L1 perception at early time points of FL disclosure. L1 English spectrograms of Tagalog in a pre-and post-exam plan with changing emphasis on the VOT phonation contrast in the target language (FL) and then asked to perform an identification task using L1 tokens from the VOT continuum. The likelihood of "voiceless" classifications fell across all conditions. This modification is compatible with dissimilatory drift in English, suggesting that the VOT crossover point between "voiced" and "voiceless" is gradually lengthening. However, control condition listeners showed a relative change in L1 perception albeit a shorter-lived one, indicating that an alteration partially resulted from an assignment effect. Finally, we propose potential avenues for further study of phonetic perception.

Complete Specification

Description: Exploring the Evolution of Voice Occurrence Time Perception through Phonetic Drift

Field and Background of the Invention

This investigation aimed to pinpoint when and under what conditions FL exposure will most likely lead to changes in L1 perception (henceforth "perceptual drift"). Information on the perceptual drift in several L1s, including English, is slowly building up in the literature, but earlier conclusions are based solely on cross-sectional data. We present the first longitudinal study of language shift in English due to learning Tagalog. Twenty trials of L1 perceptions over the course of five days provide us with a plethora of data to go further than ever before into the occurrence of L1 phonetic plasticity. The early readings to establish perceptual drift was conducted by Tice, the author, who monitored L1 English participants' evaluations of L1 plosives throughout the period of the initial 6 weeks of a preliminary L2 French program. Specific synthesized continua of plosive signs to cover a VOT of 80 to 90 ms in 12 phases. We also looked at when people heard a change from classifying plosives as voiced or voiceless. The VOT crossover point was dramatically reduced after the third week of L2 teaching, indicating that some tokens initially labelled as voiced were subsequently reclassified as voiceless. This change reflected a fundamental dissimilarity between English and French. In contrast to English, which has a long VOT value and a long VOT signaling voicing plosives in a syllable or pre-tonic context, French is a "genuine voicing" dialect with a brief VOT meaning at the voiced-voiceless VOT frontier. Because of this equivalence classification between the voiced subcategories of L1 and L2, it was inferred that the individuals in Tice and Woodley's improvements in existing assimilation drift in their insight of L1 plosives in favor of lower VOT moral codes of L2 French.

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