The relationship between foreign accent impact and its "thickness"

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INTRODUCTION

- Understanding the impact of sociolinguistic and sociocultural power differentials will empower clinicians and educators to provide ethical, culturally aware, services to individuals with wide backgrounds of cultural and linguistic diversity.
- Accent modification: Need to go beyond a listener's perception of accent thickness. Need speaker's perception:
- · How, when, & to what extent does a foreign accent impact a speaker?
- Hypothesis: Power differentials among language varieties influence the relationship between accent thickness and its impact, and this relationship is context/situation-specific.

LITERATURE REVIEW & RATIONALE

- · Languages are not equal in power.
- · This power status is context-dependent.
- · Stigmatized language → stigmatized accent
- Language attitudes influence the perception of accentedness & intelligibility (Gurevich & Bugel, 2023) resulting in greater bias against certain accents (e.g., Hutchinson et al., 2019; YI et al., 2014, 2013; Zheng & Samuel, 2017).
- Calvet's 1999 gravitational model of world languages was previously adapted for varieties of Spanish (Bugel & Santos, 2010; Bugel, 2012).
- More prestigious > closer to center of gravity; less prestigious > more peripheral.
- Prestige is recognized by peripheral speakers (who can strategically adopt desirable features).
- Adapting to impact of foreign accents in target language & perceived prestige or stigma of influencing language:
- Prestige/power of an influencing language (IL: source of foreign accent) compared to the target language (TL) will impact the speakers.
- The "thickness" on one's accent will have differing consequences for speakers depending on the status of their IL.

METHODS

- A Qualtrics (2022) survey (Purdue University IRB-2021-1744) was part of the qualitative assessment stage of developing an Accent Impact Index (Gurevich & Bugel, 2023).
- This Index is a psychosocial tool to support client-reported outcomes of accent modification intervention.
- Responses were analyzed to assess the magnitude of impact (negative and positive) as a function of perceived accent thickness.
- Quantitative analysis: Likert-scale responses were coded for "Thickness Count" (out of a max of 77) and Positive, Negative, and Neutral impact across multiple contexts and situations.
- Qualitative analysis: Open-ended questions were categorized by the sentiments or opinions they expressed.

RESULTS

Descriptive Statistics

 N=43 adults. No personal information was requested except the influencing languages (ILs) and the Target languages (TLs).





Target Languages (TL) in our Data



Quantitative Analysis

 Although most participants patterned close to the line showing a high correlation between thickness and negative impact, some had disproportionate negative impact vis-a-vis others with similar thickness scores, and a few had disproportionately reduced negative impact.

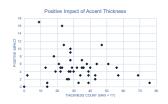


- · Additional details for some outliers:
 - · High Negative Impact (NI) for mid Thickness Count (TC)
 - TC 28. NI 33: IL is Turkish. TL is German.
 - . TC 40, NI 32: IL is Chinese, TL is English
 - TC 47, NI 28: IL is Italian, TL is English.
 - · Low NI for higher than mid TC
 - . TC 51, NI 7: IL is Russian, TL is English

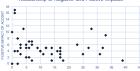
RESULTS (cont.)

Quantitative Analysis (Cont)

- No direct relationship between positive impact and (reduced) accent thickness.
- · No inverse relationship between positive and negative impacts



Relationship of Negative and Positive Impacts



Qualitative Analysis

Open-ended responses (n=25) provided an additional insight into the psychosocial aspects of foreign accented speakers.

- 92% expressed the sentiment that their accents mark them as different (foreign, not local, not native).
- 28% expressed the sentiment that their accent leads to a bias against them (including racism or xenophobia).
- 20% expressed the sentiment that their accent leads to physical or emotional consequences (e.g., stuttering, vulnerability, isolation).
- 20% discussed strategic compensation either to hide or mask their accent or how their accent helps them avoid being judged regarding usage of specific dialects (e.g., "class" in the UK).
- 24% expressed that their accent shows they are worldly, multilingual, interesting.







DISCUSSION

- For most perceived thickness was directly proportional to negative impact; exceptions were related to the status of one's IL.
- Positive impact was not inversely proportional to negative impact supports hypothesis (impact is context/situation-specific).
- Positive impact of one's accent depends on the language's status in one's community and daily life.
- It is wrong to assume that the thicker one's accent is, the more it impacts their lives in exclusively negative ways.
- Gravitational Model: Proximity of an IL to the center of gravity may be desirable to avoid negative impact of foreign accent; but belonging to a peripheral community may have positive impact.
- · Speakers may seek control, not elimination, of their accent.

Limitations

- Small N with limited TLs (primarily English) gave limited access to power differentials.
- English as TL is overrepresented, and ILs with extreme power diff from the TL are underrepresented.
- Data mined from an online survey > no external assessment of accent thickness.
- No information was collected about speakers' communities which can influence power differentials.
- · Variables depend on speaker's perception
- Of impact & thickness
- · So cannot be thought of as fully independent



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