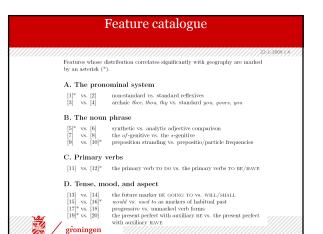


General problems The effect of morphosyntactic distances on intelligibility has – to our knowledge – never been systematically investigated Morphosyntactically driven dialectometry is still in the first steps How do you exclude differences on other levels than the morpho-syntactic one (e.g., phonetic differences) in experiments on intelligibility?

rijksuniversiteit groningen

20

Example: Research on morphosyntactic distances > Szmrecsanyi (submitted) calculates morphosyntactic distances in English dialects > frequency-based approach based on corpus analysis in FRED (Freiburg English Dialect Corpus) > definition of 35 morphosyntactic variables



Feature catalogue		
	22-1-2009 (5	
E. Verb mor	phology	
[21] vs. [22]	a-prefixing on -ing-forms vs. bare -ing-forms	
[23] vs. [24]	non-standard weak past tense and past participle forms vs.	
[25]* vs. [26]	standard strong forms non-standard 'Bybee' verbs vs. corresponding standard	
[20] 101 [20]	forms	
[27]	non-standard verbal -s	
[28]* vs. [29] [30] vs. [31]	non-standard past tense <i>done</i> vs. standard <i>did</i> non-standard past tense <i>come</i> vs. standard <i>came</i>	
[50] VS. [51]	non-standard past tense come vs. standard came	
F. Negation		
[32]* vs. [33]	invariant ain't vs. not/*n't/*nae-negation	
[34]* vs. [35]	multiple negation vs. simple negation	
[36]* vs. [37] [38]* vs. [39]*	negative contraction vs. auxiliary contraction $don't$ with 3^{rd} person singular subjects vs. standard agree-	
[30] . A8. [39] .	non t with 5 - person singular subjects vs. standard agree- ment	
[40] vs. [41]	never as a preverbal past tense negator vs. standard nega-	
	tion	
> etc.		
/ ri	jksuniversiteit	
	roningen	

	22;3-2009.{
	in the corpus (varieties from 38 counties) ed automatically and semi-automatically with res
 feature f vectors 	requency calculated and extracted into
> table cor	overted into distance matrix

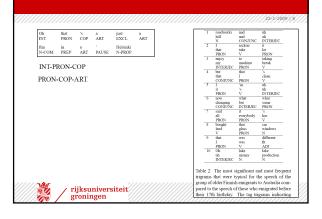
Example: Syntactic distances based on POS

22:1-2009.(7/

- > Nerbonne/Wiersma (2006)
- > Analysis of a corpus tagged with POS
- > analysis of 3-grams
- > distance measure based on permutation tests
- > corpus: English speech of two groups of Finnish emigrants to Australia:
 - emigrants older than 16 on the date of emigration
 - emigrants younger than 17 on the date of emigration

rijksuniversiteit groningen

Nerbonne/Wiersma



Syntactic dialect atlas variables

- > Spruit (2006)
- Syntactic distance measure based on 507 syntactic variables found in the Syntactic Atlas of the Dutch Dialects
 - variables and their variants were introduced by the editors of the atlas
 - frequency-based approach: occurrence of variables is aggregated using dialectometric methods

Example variables 22:1:2009/10 Table 1 Map 68a in SANDI shows the five syntactic variables in the context of weak reflexive pronoun as object of inherently reflexive verb Context: Weak reflexive pronoun as object of inherent reflexive verb Context: Weak reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Context: Weak reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive pronoun as object of inherent reflexive verb Vision Reflexive verb Vision Reflexive verb Vision Reflexive verb Vision Verb Vision Reflexive verb Vision Verb Vision Verb Vision Verb Vision Verb Vision Verb

Morphosyntactic distance and intelligibility

- 22;1-2009.(.11/
- > all measures frequency-based

rijksuniversiteit groningen

rijksuniversiteit groningen

27

- > how to model first-contact situation?
- > how to test the influence of morphosyntactic distance?
- > how to isolate the morphosyntactic level (or even morphological and syntactic levels separately) from other levels such as lexicon and phonetics?
- > how to test the relative contribution of linguistic levels as determinants of intelligibility?