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Transmission the result of incrementation

• This is the normal type of internal language change, "change from below," which is responsible for increasing distances between the branches of the family tree model over time.

 Such internal changes are generated by the process of incrementation, in which successive cohorts and generations of children advance the change beyond the level of their caretakers and role models, and in the same direction over many generations (Labov 1994: Ch. 14). Some questions on the trajectories of sound change in progress

- Once a sound change in progress has been identified, can we trace it to its origin?
- Can we predict the future path of a sound change from its past trajectory?
- If not, what new explanations can be found for deviations from that path?
- What are the relative roles of phonetic features and lexical identities in the development of a sound change? [Wednesday]

Some answers to these questions will be derived by the application of new techniques of forced alignment and automatic vowel measurement to a large corpus of recordings of vernacular speech in Philadelphia.

Sources of data on the Philadelphia vowel system.

LCV: The study of Language Change and Variation. Philadelphia, 1973-1979 Principles of Linguistic Change, Vol 2: Social Factors, 2001

ANAE: Labov, Ash & Boberg. Atlas of North American English, 1993-2001 (2006).

PNC: Philadelphia Neighborhood Corpus, 1972-2012.





























































The relative fronting of /ay/ and /aw/ in North America

South and Midland: F2(aw) > F2(ay) [rɑit næʊ] North: F2(ay) > F2(ayw) [rait nɑʊ]





























Some benefits from the large-scale study of change in progress..

Extended data in real time allows us to track change from its inception and thus formulate, if not solve, the actuation problem.

As the volume of data increases, significant differences may appear among members of the population, testifying to the differentiating force of the variable or the change in progress.

But from the outset, the large-scale study of variation shows us how similar members of the speech community are, that the orderly heterogeneity of the community is a social fact in Durkheim's sense. www.ling.upenn.edu/~labov

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