

What the tongue can tell us about dialects

MARTIJN WIELING

University of Groningen

University of Tbingen

In this presentation I will introduce a new type of data useful for variationists: the movement of tongue and lips during speech. I will introduce generalized additive regression modeling as a tool to analyze this type of non-linear articulatory data, and I will use it to illustrate that articulatory data reveals significant dialect differences which are hard, if not impossible, to observe in the acoustic signal.