

Thursday, November 21st 2019, 2pm ET
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Assessment of anomia: Improving efficiency and utility

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Anomia is a core feature of aphasia, a disorder affecting at least 2.5 million Americans. Sensitive metrics are needed to support investigations of the cognitive mechanisms underlying anomia, clinical decision making, and treatment research. To be optimally useful, these metrics must be validated within a rigorous psychometric framework to (i) efficiently provide information about a patient's overall severity, (ii) support repeated assessments without threatening internal validity or measurement precision, (iii) be easily integrated into computerized adaptive testing platforms, and (iv) reliably categorize paraphasias in order to shed light to patients' cognitive-linguistic deficits. To this end, I will discuss two distinct yet highly related lines of research. First, I will focus on our efforts to engineer a psychometrically robust computer adaptive anomia test within an item response theory framework. Second, I will present some successes and some challenges in using natural language processing techniques to algorithmically classify paraphasias.

Room #140, Discovery I, 915 Greene Street, Columbia, SC 29208

Date: Thursday November 21st, 2019, Time: **2pm – 3pm ET**

The viewing event will be catered!

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