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Northeastern Educational Research Association - NERA 2019 Regular Proposal Submissions

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Proposal ID#: 39195329

Title: A Hierarchical Mixed Membership Model for Multiple-Answer Multiple-Choice Items with Signal Detection Theory

Abstract: In this study, we use the signal detection theory to measure the decision-making behavior across alternatives. Mixed membership model is applied to capture the grouped data structure, and hierarchical framework is used to measure the item and examinee properties. It can provide rich information relevant for psychological behavior and measurement.

File: PROP39195329(1).pdf

☐ **Does your proposal address the theme of this year's conference?**

This year's conference theme is "Transformation by Design: Enacting Meaningful Change through Intentional Actions."

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