Intersectional approaches to understanding heterogeneity of cognition aging: A data-driven exploration

March 27, 2024 | 2:30 pm (Central time)
Meeting via Zoom. Registration required for meeting.

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Cognitive aging trajectories in older adults vary by identity and social context, yet intersectionality research often overlooks how these factors interact over time. Traditional longitudinal methods like linear mixed models have limitations in exploring these complexities, as they require predefining interaction terms. To overcome this, we introduce the generalized linear mixed-model (GLMM) trees, a flexible data-driven method merging recursive partitioning for subgroup identification with GLMM for aging trajectory analysis. This method automatically detects combinations of moderators (like age, race) influencing cognitive function changes, ideal for contexts with numerous moderators with varied subcategories. By applying GLMM Trees to the Health and Retirement Study data, we reveal complex, previously unseen intersectional dynamics in cognitive aging patterns.

Registration details are available on the Centre's Events web page.

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