

MICHAEL GEDEN

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Recent Work Experience

Laboratory of Analytical Sciences

2017 - Present

- ❖ Developing a novel construct on anticipatory thinking in analysts
- ❖ Specifying multilevel SEM for new construct development

Applied Cognitive Psychology Lab

2014 - Present

- ❖ Managing a team of research assistants (4-7) in running studies, gathering data, and coding qualitative responses
- ❖ Identifying critical factors in mind wandering during reading using nonlinear multilevel modeling
- ❖ Assessing nonlinear relationships over time for mind wandering during driving
- ❖ Investigating the impact of sleep on attention and fatigue throughout the day using functional data analysis

Technical Skills

Statistical Methods

Multivariate analysis, dimension reduction, structural equation modeling, time series, mixed models, nonlinear models

Software and Programming Languages

R, Python, SAS, SQL [< 1 year], LaTeX [< 1 year], Visualization(Tableau, ggplot), Qualtrics

Education

Doctoral Candidate in Human Factors and Applied Cognition

2014 - Present

North Carolina State University, Raleigh, NC

Masters in Statistics

2017 - Present

North Carolina State University, Raleigh, NC

Bachelor of Science in Psychology

2009 - 2013

University of Florida, Gainesville, FL

Publications

Geden, M., Staicu, A., Feng, J. (2017). *Reduced Target Facilitation and Increased Distractor Suppression during Mind Wandering.* Manuscript submitted for publication.

Geden, M., Staicu, A., Feng, J. (2017). The Impact of Perceptual Load and Time on Mind Wandering in Driving. *Transportation Research Part F: Traffic Psychology and Behaviour.* Manuscript accepted for publication.

HeeSun, C., **Geden, M., Feng, J. (2017).** Mind Wandering in Relation to the Concurrent Task: Modality of the Concurrent Task Impacts How the Mind Wanders. *PLOS ONE.* Manuscript accepted for publication.

Geden, M., & Feng, J. (2015). Simulated Driving Environment Impacts Mind Wandering. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 59(1), 776-780.

Presentations	Joint Statistical Meetings <i>A mixed-effects modeling approach to studying the impact of mind wandering on selective attention</i>	2017
	International Conference on Applied Human Factors and Ergonomics <i>Analyzing the usability of a dashboard display for a monitoring system on a smartphone</i>	2017
	Human Factors and Ergonomics Society Conference <i>Perceptual Load affects Mind Wandering during Simulated Driving</i>	2015
	North Carolina Cognition Conference <i>Perceptual Load affects Mind Wandering during Simulated Driving</i>	2015
Positions	Graudate Lead Mentorship Program Member	2017-2018
	NC State University Standing Committee on Library Member	2016-2017
	Human Factors and Ergonomics Society: Golden Student Chapter Vice-President	2015-2016
Teaching Experience	Teaching Assistant <i>North Carolina State University</i> <ul style="list-style-type: none"> • Cognitive Processing • Learning and Motivation <i>University of Florida</i> <ul style="list-style-type: none"> • Pseudoscience and Psychology 	
	Guest Lectures <i>North Carolina State University, Raleigh, NC</i> <ul style="list-style-type: none"> • Ethics • Departmental Brown Bag • Ergonomics 	
Professional Affiliations	American Statistical Association • User Experience Professionals Association • Human Factors and Ergonomics Society	
References	Dr. Jing Feng , Assistant Professor Department of Psychology North Carolina State University (919) 515-3411 jing_feng@ncsu.edu	
	Dr. Ana-Maria Staicu , Assistant Professor Department of Statistics North Carolina State University (919) 515-0644	