Mary B. Hargis, Ph.D.

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(336) 675-6952
Las Vegas, NV

EXPERIENCE

IXL Learning, San Mateo, CA — *Research Scientist*

2022 - PRESENT

- Published 30 studies spanning 2,000,000+ students in grades PK-12
- Transforming small- and large-scale raw datasets into actionable, data-driven insights to support sales, marketing, school admins, teachers, parents, and end users (students)
- Leading research on IXL's efficacy and psychometric properties (validity, reliability), resulting in successful funding proposals, subscription renewals, and new business
- Created new IXL Research copy to educate and motivate prospective external research partners, 12 of whom signed on to participate

Texas Christian University, Fort Worth, TX — *Assistant Professor and Director of Hargis Cognition Lab*

2019 - 2022

- Awarded $94,000 in research funding, resulting in 10 peer-reviewed articles in high-impact journals, 14 presentations at international conferences, and four invited talks at prestigious universities
- Instructed 2,000+ students across 18 courses at the undergraduate and graduate levels; supervised two Ph.D. students and 25+ undergraduates

University of California, Los Angeles — *Graduate Researcher*

2014 - 2019

- Investigated human learning, memory, and decision-making across the adult lifespan in experimental studies, leading to 7 peer-reviewed articles and more than 20 conference presentations

EDUCATION

University of California, Los Angeles — *M.S. and Ph.D.*

2014 - 2019

- M.S. and Ph.D. in Cognitive Psychology (Quantitative Psychology minor)
- Recipient of Shepard Ivory Franz Teaching Assistant Award (2018) and J. Arthur Woodward Peer Mentorship Award (2019)

University of Southern California — *B.A.*

2011 - 2014

- B.A. in Cognitive Science (Psychology and Law minor)
- Summa cum laude, Phi Beta Kappa

SKILLS

Data: extracting and analyzing large datasets from diverse sources; wrangling, cleaning, merging, visualizing, and translating data

Analysis: R, tidyverse, ggplot, lme4, markdown, Git, SPSS, regression, multilevel modeling, GLM, t-test, power analysis, logistic regression, classification accuracy, AUC, propensity score matching

Research: design and execution of experiments, quasi-experiments, and surveys; data analytics; project management; funding acquisition; team collaboration; mentoring junior researchers

SELECTED PUBLICATIONS (of 47)

Hargis, M. B. (2023). Predicting performance on Indiana's ILEARN assessment in grades 3-8 based on IXL Real-Time Diagnostic scores. link

Hargis, M. B. (2023). The impact of IXL on math learning in Mississippi middle and high schools. link

Richmond, L.L., [...] **Hargis, M.B.** (2023). Take a load off: examining partial and complete cognitive offloading of medication information. link