

ADAM TAGGART

Experienced researcher and scientist with over seven years of experience working with health data, cognitive data, environmental and geospatial datasets. Comfortable with complex data and statistical models including machine learning and predictive modeling. Looking for roles which combine skillsets in data science, cognition, health, exercise, and/or time series data.



CONTACT

**Phone**

(217) 417-4041

**Email**

a.taggart2016@gmail.com

**Address**

St Clair Shores, MI



EDUCATION

④ 2018-2023**PhD Kinesiology**

University of Illinois, Urbana-Champaign

④ 2014-2015**MS Management**

Brunel University, London

④ 2008-2009**(Study Abroad)**

Nagoya University of Foreign Studies

④ 2006-2010**BA International Business & Japanese**

University of Central Lancashire



LANGUAGES

- English
- Japanese



SKILLS

- Statistical Programming (R, Python)
- Data QA/QC & Validation Pipelines
- Geospatial Analysis & GIS
- Time-Series & Longitudinal Modeling
- Health & Environmental Data Analytics
- Statistical Modeling
- Machine Learning & Predictive Modeling
- NLP & Text Analytics
- Generative AI & LLM Applications (GPT)
- Cloud platforms (AWS, Snowflake)
- Data Visualization & Client-Facing Dashboards
- Stakeholder Communication



SELECTED EXPERIENCE

**Senior Research Area Specialist**

2023-Present

University of Michigan at Ann Arbor

- GIS data manager and analyst for the Gateway to Global Aging Project, as part of the Environmental Exposome team.
- Responsible for QAQC of all environmental data in the Gateway project, distributing to all teams based in the USA and internationally.
- Author of R and Python code distributed to colleagues around the world, with tutoring and mentorship in how to adapt and deploy custom programming for their data.
- Pipeline management and optimization of data linkage and processing programs. Responsible for 10Tb+ of data on local devices, sourced from multiple locations.

**Doctoral Candidate**

2018-2023

Exercise, Technology and Cognition Laboratory, University of Illinois

- Lead researcher for two government-registered, randomized controlled trials assessing the impact of complex movement on cognitive functions.
- Conceptualized experimental design and drove all stages of study coordination, intervention, data collection and analysis.
- Devised instructional video content used in exercise interventions as well as cognitive assessment software to collect metrics including processing speed, memory, inhibition control and task-switching.
- Results to include partial least squares regression and latent variable ANOVA models assessing the strength and nature of relationships between multiple cognitive and physical outcomes.
- Supervising teams of 15-25 research assistants to maintain study validity and integrity of research protocols.

**Graduate Teaching Assistant**

2018-2023

College of Applied Health Sciences, University of Illinois

- Served as instructor of record and teaching assistant for multiple undergraduate courses in research methods, social sciences of human movement, and sports psychology.
- Led innovative discussions on the impact of interdisciplinary studies to improve the understanding of human-technology relationships within movement complexity and perceptions of exercise.
- Amplified the inclusion of novel, socio-culturally sensitive art forms and exercise practices within mainstream kinesiological research.
- Awarded "Teacher Ranked as Excellent" status from Spring 2019 to Fall 2021.



REFERENCES

Sean Mullen, PhD

U of I, Urbana-Champaign
spmullen@illinois.edu

Neha Gothe, PhD

Northeastern University
n.gothe@northeastern.edu

Madhura Phansikar, PhD

Ohio State University
Madhura.phansikar@gmail.com

Paul McCarthy, MSc

UCLA Martial Arts Coordinator
pmccarthy@recreation.ucla.edu