James E. Kajdasz, Ph.D.

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Education

Master of Information and Data Science, University of California, Berkeley	2019
Doctor of Philosophy, Quantitative Psychology, The Ohio State University	2010
Master of Arts, Industrial & Organizational Psychology, George Mason University	2003
Bachelor of Science, Behavioral Sciences and Leadership, USAF Academy	1996

Skills

Python, TensorFlow2, Scikit-learn, Matplotlib, Numpy, Pandas, Jupyter Notebook, Git, Conda, SQL Human Subjects Protocol submission, Data collection, mTurk, Qualtrics, SurveyMonkey, SPSS Ethics in Human Subjects Research: Human Research Protection Programs, Institutional Assurance

Experience

Machine Learning Engineer, Electromagnetic SystemsEl Segundo, CAJan 2020-Present- Implemented Deep Learning algorithms in TensorFlow2 to conduct semantic coding of remote imagery- Crafted labeled training data by manipulating Synthetic Aperture Radar imagery for machine learning

Data Science Fellow, Insight Data ScienceLos Angeles, CASept 2019-Dec 2019- An intensive 7-week post-doctoral training fellowship bridging the gap between academia & data science- Created Sentiment Explorer, NLP web app examines media bias for user-chosen key words

 Master's Candidate, UC Berkeley
 Berkeley, CA
 May 2018-Aug 2019

 - Modeled context-specific word sentiment in TensorFlow: Scraped news source, extracted embeddings

- Collected 100k survey responses and created Monte Carlo simulation examining "wisdom of the crowd"

Assistant Professor/Research Deputy, USAF Academy Col Springs, CO Jun 2014-May 2018 - Oversaw multi-million dollar research budget, Air Force Research Lab's (AFRL) liaison to USAFA - Created and project managed construction of \$500k training center for Remotely Piloted Aircraft pilots

- Provided ethics oversight for dozens of research protocols as Institutional Review Board member
- Communicated statistical principles and research methods to hundreds of undergraduate students

Faculty, National Intelligence UniversityWashington, DCOct 2010-Jun 2014- Chaired nation's only Institutional Review Board capable of reviewing classified research protocolsEvaluated proposals on source selection eval boards scoring proposals for Intel Community research- Taught classes in analytic methodology; Chaired dozen master's theses mentoring student research

Selected Publications

- Kajdasz, J. E., Burdick, J. A., Christ, R., & Lange, D. (2014). Examining the IC Prediction Market. *Studies in Intelligence*, 58(3).
- Kajdasz, J. E. (2014). A demonstration of the benefits of aggregation in an analytic task. *International Journal* of *Intelligence and Counterintelligence*, 27(4).
- Arkes, H. R., & Kajdasz, J. E. (2011). Intuitive theories of behavior. In C. Chauvin & B. Fischhoff (Eds.), Intelligence Analysis: Behavioral and Social Scientific Foundations (pp. 143–168). Washington, DC: National Academies Press.