Andrew W. Moore
Data Science Professional & Developer **in** Boise, ID
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https://ndrewwm.com/
github: @ndrewwm

Currently

Data Warehouse Developer in the Office of Information Technology at Boise State University.

Research & Professional Interests

Statistical methods, information design, data science education, social/structural determinants of health, child welfare, social policy

Technical Skills

SQL & PL-SQL, R & R-Shiny, Leaflet, Git/GitHub, SAS, MATLAB, MS Excel, Tableau, Markdown, Hugo, Qualtrics

Professional Experience

Jul 2021 to present
Boise State University, Office of Information Technology | Data Warehouse Developer

- Designs and implements ETL procedures to store and and deliver university data to staff and faculty.

- Works with stakeholders to develop reporting tools and platforms to support data-driven decision making.

- Assists with production support and provides troubleshooting for reporting and analytics products used by university staff.

Jan 2020 to Jul 2021
Boise State University, Office of Institutional Research | Institutional Research Analyst

- Refines predictive models for undergraduate retention & graduation, and builds data analysis process flows to facilitate improved documentation, and analytic reproducibility

- Develops custom reports for campus stakeholders using SQL and SAS

- Maintains and updates office Tableau dashboards each academic term.

- Contributes to project documentation, assists with data requests, analyzes and summarizes survey responses as-needed

Nov 2015 to Jan 2020
University of Michigan, School of Social Work | Data Analyst

- Developed an R Shiny dashboard to visualize county and state performance on 7 federal indicators related to foster care and child safety.

- Used logistic regression to model the risk of children experiencing maltreatment while in foster care, using placement data from case management systems.

- Analyzed text files of CPS investigation dispositions and used supervised learning techniques to predict whether a document contained language indicating the investigation contained language related to substance abuse.

- Presented research findings to state leadership in Michigan's Children's Services Administration (CSA) and Michigan's Committee on Juvenile Justice (MCJJ).

- Developed and maintained analysis code, assisted faculty and students in answering research questions, contributed to academic publications and program evaluation reports.

Jun 2014 to Nov 2015
University of Michigan, Department of Psychology | Lab Manager & Research Technician

- Trained and supervised undergraduate research assistants in the HAILab, for behavioral and survey research under Dr. Allison Earl.

- Collected and analyzed neurological data (EEG/ERP), using MATLAB and R.

- Assisted honors & thesis students conducting projects within the HAILab.

Jun 2013 to Jun 2014
University of Michigan, Survey Research Center | Survey Technician

- Collected data and interviewed respondents on a multi-wave panel study following US Army service-members to understand risks and correlates of suicide (Army STARRS).

- Assisted with qualitative coding of time diaries on a daily use of time study, following elderly adults from the PSID survey.

- Logged respondent correspondence, and collected data on cognitive resilience and health for elderly adults (HRS survey, CogUSA survey).

Jun 2012 to May 2013
The College of Idaho, Department of Psychology | Lab Manager

- Collected data, managed participant schedules, coordinated lab software and hardware under Dr. Meredith Minear in the Cognitive Plasticity Lab.

- Managed data files/output and performed basic statistical analysis for ongoing projects.

- Performed literature searches and summarized published findings in support of the lab's publication development.

Education

The College of Idaho - Caldwell, ID
B.A. Psychology - 2013
Minor: History; *cum laude*

Publications

- Schweinsberg, M., Feldman, M., Staub, N., [and 176 others, including **Moore, A.**] (2021). Same data, different conclusions: Radical dispersion in empirical results when independent analysts operationalize and test the same hypothesis. *Organizational Behavior and Human Decision Processes.* doi:10.1016/j.obhdp.2021.02.003

- Perron, B.E., Victor, B.G., Bushman, G., **Moore, A.,** Ryan, J.P., Lu, A.J., & Piellusch, E.K. (2019). Detecting substance-related problems in narrative investigation summaries of child abuse and neglect using text mining and machine learning. *Child Abuse & Neglect,* 98, 104180. doi:10.1016/j.chiabu.2019.104180

- Ryan J.P., Jacob B.A., Gross M., Perron B.E., **Moore A.,** & Ferguson S.M. (2018). Early exposure to child maltreatment and academic outcomes. *Child Maltreatment.* Advance online publication. doi:10.1177/1077559518786815

- Evangelist M., Ryan J.P., Victor B.G., **Moore A.,** Perron B.E. (2017). Disparities at adjudication in the juvenile justice system: An examination of race, gender and age. *Social Work Research,* 41, 199-212. doi:10.1093/swr/svx017

- Mowbray O., Victor B.G., Ryan J.P., **Moore A.,** Perron B.E. (2017). Parental substance use and foster care re-entry. *Journal of Social Work Practice in the Addictions,* 17, 352-373. doi:10.1080/1533256X.2017.1361832

- Ryan, J.P., Perron, B.E., **Moore, A.,** Victor, B.G., & Park, K. (2017). Timing matters: A randomized control trial of recovery coaches in foster care. *Journal of Substance Abuse Treatment,* 77, 178-184. doi:10.1016/j.jsat.2017.02.006

- Victor, B.G., Ryan, J.P., **Moore, A.,** Mowbray, O., Evangelist, M. & Perron, B.E. (2016). Foster care licensing and the risk of reentry to out of home care following family reunification. *Children and Youth Services Review,* 70, 112-119. doi:10.1016/j.childyouth.2016.09.015

- Ryan, J.P., Victor, B.G., **Moore, A.,** Mowbray, O., & Perron, B.E. (2016). Recovery coaches and the stability of reunification for substance abusing families in child welfare. *Children and Youth Services Review, 70,* 357-363. doi:10.1016/j.childyouth.2016.10.002

- Ryan, J.P., Perron, B.E., **Moore, A.,** Victor, B., & Evangelist, M. (2016). Foster home placements and the probability of family reunification: does licensing matter?. *Child Abuse & Neglect, 59,* 88-99. doi:10.1016/j.chiabu.2016.07.006

- Minear, M., Brasher, F., Guerrero, C.B., Brasher, M., **Moore, A.,** & Sukeena, J. (2016). A simultaneous examination of two forms of working memory training: Evidence for near transfer only. *Memory & Cognition,* 44, 1014-1037. doi:10.3758/s13421-016-0616-9

Teaching Experience

- May 2016 Ann Arbor R User Group: Beginning R Workshop

- April 2016 Ann Arbor R User Group: Beginning R Workshop

- Spring 2015 *PSYCH426:* assisted with data analysis and minor editing/proofreading related to thesis student projects.

- Fall 2015 *PSYCH424:* helped coordinate lab projects with thesis students, including study recruitment and data collection.

- Fall 2012 *PSY206 Social Psychology:* guest lectured on persuasion and social influence, assisted with grading.

- Spring 2012 *PSY101 Introduction to Psychological Science:* facilitated group discussions, assisted students with class projects related to research design.

Community Engagement

2019 **Co-Organizer, Ann Arbor R-User Group**

2018 **Co-Organizer, Ann Arbor R-User Group**

2017 **Co-Organizer, Ann Arbor R-User Group**

2016 **Workshop Instructor, Ann Arbor R-User Group**

Talks & Posters

- **Moore, A.** (2021) "Intro to `dplyr`". Invited presentation to the February meeting of the Boise State Data Visualization Group.

- **Moore, A.** (2019) An overview of *tidytext*: exploring the October primary debate transcript. Invited presentation at the November meeting of the Ann Arbor R User Group.

- **Moore, A.** (2017) Building bivariate choropleths with leaflet and tidycensus: an illustration using NUFORC data. Invited presentation at the October meeting of the Ann Arbor R User Group.

- **Moore, A.** (2017) Citations in R-Markdown. Invited presentation at the June meeting of the Ann Arbor R User Group.

- **Moore, A.** (2016) Using Packrat: Dependency Management in R. Invited presentation at the August meeting of the Ann Arbor R User Group.

- **Moore, A.** (2015) Tools for Reproducible Research. Invited presentation in the Data-Science Workshops series at the University of Michigan's School of Social Work.

- Minear, M., Brasher, M., **Moore, A.,** Price, M. & Sukeena, J. (2013). Attempting to Improve Attention through Executive Function Training. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario.

- **Moore, A.,** Sukeena, J., & Minear, M. (2013). Personality and motivations for playing video games. Poster presented at the 2013 Society for Personality and Social Psychology conference, New Orleans, Louisiana.