

**Andrew W. Moore**  
Data Science Professional & Developer in Boise, ID  
moore.andrew09@gmail.com  
<https://semidocumentedlife.com/>  
github: @mooreaw

---

## **Currently**

Institutional Research Analyst in the Office of Institutional Research, 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**

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

## **Education**

### **The College of Idaho - Caldwell, ID**

B.A. Psychology - 2013

Minor: History; *cum laude*

## **Professional Experience**

Jan 2020 to present

### **Boise State University, Office of Institutional Research | 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.

## **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.