

CRYSTAL LEWIS




I am an education researcher with over ten years' experience in project coordination and supervision, as well as data management, analysis, and reporting. I am happiest working at the intersection of K-12 education research and data management planning, helping researchers and practitioners obtain insights that improve student outcomes through harmonized, reliable, and documented data. I am also passionate about helping others organize their data and reporting through reproducible workflows.



EDUCATION

- 2011 **Master of Public Policy**
University of Minnesota  Minneapolis, MN
- 2005 **Bachelor of Social Work**
University of Missouri  Columbia, MO

PROFESSIONAL EXPERIENCE

- Current
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2022 **Data Management Consultant**
Freelance
- Providing research data management consulting, training, and data wrangling services to improve organizational workflows.
 - Composing a draft of the book "Data Management in Large-Scale Education Research"
- 2022
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2021 **Lead Data Scientist**
Streamline Data Science  Remote
- Built example client facing crm dashboard in R flexdashboard to be used to publicize services. Currently featured on Streamline's website.
 - Ingested data sources to build an internal metric tracking R flexdashboard that is automated through Google Cloud Platform to update daily.
 - Built google trends R flexdashboard (<https://gtrends-school.streamlinedatascience.io/>) to show capabilities of automatic updating data.
- 2021
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2019 **Director, Data Strategy**
Missouri Prevention Science Institute  Remote
- Strategized data management plans for over ten actively funded projects and oversee their implementation.
 - Merged, cleaned, manipulated, queried, validated, and documented data collected from school districts, state education agencies, surveys, assessments, and observations using R.
 - Built reports, dashboards, and visualizations for dissemination of data.
- 2019
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2016 **Director, Research Implementation**
Missouri Prevention Science Institute  University of Missouri
- Supervised successful completion of data collection activities for six federally funded randomized controlled trial studies and two county funded projects.
 - Delivered quarterly trainings to staff on data collection methods.
 - Designed Qualtrics surveys and Access tracking databases.
- 2016

CONTACT

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TECHNICAL SKILLS

Proficient:

- R
- SPSS
- Access
- Qualtrics
- Quick Base

Working knowledge:

- Tableau
- Git and GitHub
- SQL
- SAS
- Stata
- SharePoint



SERVICE

POWER Data Management
Hub Organizer (2022 -
present)

R-Ladies St. Louis Co-
organizer (2020-present)

LaunchCode CoderGirl
Teaching Assistant (2018)

AmeriCorps St. Louis
Education Team (2007-2008)

- 2013
- Research Associate**
Missouri Prevention Science Institute  University of Missouri
- Coordinated two Institute of Education Sciences funded randomized controlled trial studies.
 - Collected data in schools through classroom observations, surveys, and assessments.
- 2013
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2011
- Evaluation and Outcomes Manager**
Big Brothers Big Sisters of Eastern Missouri  Saint Louis, MO
- Oversaw the collection, analysis, and dissemination of data relating to performance management, outcomes, and customer satisfaction.
- 2011
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2010
- Research Assistant**
Center for Advanced Studies in Child Welfare  University of Minnesota
- Evaluated the effectiveness of the Hennepin County Attorney's Office truancy intervention program using qualitative and quantitative methods.



PUBLICATIONS

- 2021
- In-school and out-of-school suspension: Behavioral and psychological outcomes in a predominately Black sample of middle school students**
School Psychology Review
- Authored with Dan Cohen, Francis Huang, Colleen Eddy, Caroline Hodgson.
- 2020
- Motivational interviewing with at-risk students (MARS) mentoring program: Addressing the unique mental health needs of students in alternative school placements**
School Psychology Review
- Authored with Lauren Henry, Wendy Reinke, Keith Herman, Aaron Thompson.
- 2018
- Bullying involvement, teacher-student relationships, and psychosocial outcomes**
School Psychology Quarterly
- Authored with Francis Huang, Dan Cohen, Sara Prewett, Keith Herman.



PRESENTATIONS

- 2021
- Data Management in Large-Scale Education Research Series**
Missouri Prevention Science Institute
- A series of workshops on topics concerning the implementation of a research study data management plan. <https://cghlewis.github.io/mpsi-data-training/>
- 2019
- Cleaning Messy Data in R**
R-Ladies St. Louis Meetup
- Two hour workshop on cleaning data using examples from the field of education.

Made with the R packages
pagedown and datadrivencv.

The source code is available
github.com/Cghlewis/resume.

Last updated on 2022-05-09.