

CRYSTAL LEWIS

I am a 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 | 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". <https://datamgmtinedresearch.com>
- 2022 | 2021 • **Lead Data Scientist**
Streamline Data Science 📍 Remote
 - Built example client facing crm dashboard in R flexdashboard to be used to publicize services on Streamline's website.
 - Ingested data sources to build an internal metric tracking R flexdashboard that was automated through Google Cloud Platform to update daily.
- 2021 | 2019 • **Director, Data Strategy**
Missouri Prevention Science Institute 📍 Remote
 - Strategized data management plans for over ten externally funded projects and oversee their implementation.
 - Merged, cleaned, 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 | 2016 • **Director, Research Implementation**
Missouri Prevention Science Institute 📍 University of Missouri
 - Supervised project staff, ensuring 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.



CONTACT

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TECHNICAL SKILLS

Proficient:

- R (data wrangling)
- SPSS
- Access
- Qualtrics
- Quick Base

Working knowledge:

- RMarkdown/Quarto (reporting)
- Git and GitHub
- SQL
- 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)

- 2016
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2013
 - **Research Associate**
Missouri Prevention Science Institute 📍 University of Missouri
 - Coordinated data collection activities for 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

- 2023
 - **Cleaning Medical Data with R**
R in Medicine Conference
 - A forthcoming workshop for the R in Medicine conference June 5-9, 2023
- 2022
 - **Data Management Workflow for Education Research Studies**
University of Houston-Clear Lake
 - Guest lecture given to a graduate research methods class at the University of Houston-Clear Lake. <https://cghlewis.com/talk/uhcl>
- 2022
 - **10 Common Data Management Mistakes**
Society for the Study of School Psychology Early Career Forum
 - A one hour presentation on common data management mistakes made when implementing a research study. https://cghlewis.com/talk/sssp_ecf

Made with the R packages
pagedown and **datadrivencv**.

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

Last updated on 2023-05-24.