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 | 2022

Data Management Consultant
Freelance

- Providing research data management consulting, training, and data wrangling services to improve organizational workflows.

2022 | 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 | 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 | 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 | 2013

Research Associate
Missouri Prevention Science Institute

📍 University of Missouri

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)

- Coordinated two Institute of Education Sciences funded randomized controlled trial studies.
- Collected data in schools through classroom observations, surveys, and assessments.

2013 | **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 | **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.

2010 | **2009**

Graduate Assistant
Hennepin-University Partnership   📍 University of Minnesota

- Connected County officials with University faculty to develop effective partnerships to improve the community.

📖 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.

2019

Introduction to R

LaunchCode

- Guest lecture for CoderGirl Data Analysis track.