

# 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, 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 | 2019 • **Director, Data Strategy**  
Missouri Prevention Science Institute 📍 Remote
  - Strategize data management plans for over ten actively funded projects and oversee their implementation.
  - Merge, clean, manipulate, query, and document data using R.
  - Analyze data for publications and build reports and dashboards for partners.
- 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.
  - Built Qualtrics surveys and Access tracking databases.
- 2016 | 2013 • **Research Associate**  
Missouri Prevention Science Institute 📍 University of Missouri
  - Coordinated two Institute of Education Sciences funded randomized controlled trial studies.
  - Collected data through classroom observations, surveys, and assessments.
  - Established trusting relationships with school district partners.
- 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.



## CONTACT

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## TECHNICAL SKILLS

Proficient:

- R
- Stata
- SPSS
- Access
- Qualtrics
- Quick Base

Working knowledge:

- Tableau
- Git and GitHub
- SQL
- SAS

## SERVICE

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

LaunchCode CoderGirl Teaching Assistant (2018)

AmeriCorps St. Louis Education Team (2007-2008)

2010  
|  
2009



## Graduate Assistant

Hennepin-University Partnership



University of Minnesota

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



## PUBLICATIONS

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.

2020



### In-school and out-of-school suspension: Behavioral and psychological outcomes in a predominately Black sample of middle school students

In press: School Psychology Review

- Authored with Dan Cohen, Francis Huang, Colleen Eddy, Caroline Hodgson.

2018



### Bullying involvement, teacher-student relationships, and psychosocial outcomes

School Psychology Quarterly

- Authored with Francis Huang, Dan Cohen, Sara Prewett, Keith Herman.

2017



### The utility of single-item readiness screeners in middle school

Journal of School Psychology

- Authored with Keith Herman, Francis Huang, Melissa Stormont, Caroline Grossman, Colleen Eddy, Wendy Reinke.



## PRESENTATIONS

2020



### Data Management in Large-Scale Education Research: Documentation

Missouri Prevention Science Institute

- An introduction to documentation in the context of a research study data management plan.

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.

2018



### Survey Says: You can use Tableau to Impact School Climate

Tableau Fringe Festival

- Lightning talk on how the Missouri Prevention Science Institute uses Tableau to visualize school climate survey data.

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

The source code is available  
[github.com/Cghlewis/resume](https://github.com/Cghlewis/resume).

Last updated on 2020-12-09.