

# Crystal Lewis

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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.

## Technical Skills

R, SPSS, Qualtrics, Stata, Microsoft Access, Quick Base, SQL, Git and GitHub, Tableau, SAS, SharePoint

## Education

### University of Minnesota

MASTER OF PUBLIC POLICY

- Concentration: Advanced Policy Analysis

Minneapolis, MN

2009-2011

### University of Missouri

BACHELOR OF SOCIAL WORK

- Concentration: Research Methods

Columbia, MO

2001-2005

## Experience

### Missouri Prevention Science Institute

University of Missouri

DIRECTOR OF DATA STRATEGY

May 2019 - Present

- Strategize data management plans for over ten actively funded projects and oversee their implementation.
- Merge, clean, manipulate, query, and document data collected from school districts, state education agencies, surveys, assessments, and observations using R.
- Analyze data for publications and build reports and dashboards for partners.

DIRECTOR OF RESEARCH IMPLEMENTATION

Jul 2016-May 2019

- 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.

RESEARCH ASSOCIATE

Aug 2013 - Jul 2016

- Coordinated two Institute of Education Sciences funded randomized controlled trial studies.
- Collected data in schools through classroom observations, surveys, and assessments.
- Established trusting relationships with school district partners.

### Big Brothers Big Sisters of Eastern Missouri

St. Louis, MO

EVALUATION AND OUTCOMES MANAGER

Jun 2011 - Aug 2013

- Oversaw the collection, analysis, and dissemination of data relating to performance management, outcomes, and customer satisfaction.

### Center for Advanced Studies in Child Welfare

University of Minnesota

RESEARCH ASSISTANT

Jan 2010 - Jul 2011

- Evaluated the effectiveness of the Hennepin County Attorney's Office truancy intervention program using qualitative and quantitative methods.

### Humphrey School of Public Affairs

University of Minnesota

TEACHING ASSISTANT

Aug 2010 - Dec 2010

- Taught lab sessions of a graduate level introductory statistics course using Stata.

### Hennepin-University Partnership

University of Minnesota

GRADUATE ASSISTANT

Sep 2009 - May 2010

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

## Service

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### **R-Ladies St. Louis**

CO-ORGANIZER

- Organize and host monthly workshops

*St. Louis, MO*

*Aug 2020 - Present*

### **LaunchCode**

TEACHING ASSISTANT

- Developed curriculum and taught data analysis once a week for a cohort of 25 women looking to make a career transition.

*St. Louis, MO*

*Jan 2018 - July 2018*

### **AmeriCorps St. Louis Education Team**

TEAM LEAD

- Tutored elementary students, led educational programming, and supervised a team of three tutors

*St. Louis, MO*

*Aug 2007 - Aug 2008*

## Publications

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Henry, L., Reinke, W.M., Herman, K.C., Thompson, A.M. & Lewis, C.G. (2020) Motivational interviewing with at-risk students (MARS) mentoring: Addressing the unique mental health needs of students in alternative school placements, *School Psychology Review*, Advance online publication.

Huang, F., Lewis, C., Cohen, D., Prewett, S., & Herman, K. (2018). Bullying involvement, teacher-student relationships, and psychosocial outcomes. *School Psychology Quarterly*, 33(2), 223-234.

Lewis, C.G., Herman, K.C., Huang, F.L., Stormont, M., Grossman, C., Eddy, C., & Reinke, W.M. (2017). The utility of single-item readiness screeners in middle school. *Journal of School Psychology*. 64, 1–16.

Larson, A., Singh, S. & Lewis, C. (2011). Sanctions and Education Outcomes for Children in TANF Families, *Child and Youth Services*, 32:3, 180-199.

## Presentations

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Lewis, C. (2021). Data Management in Large-Scale Education Research. Series of workshops given for Missouri Prevention Science Institute, University of Missouri, Columbia, MO.

Lewis, C. (2019). Cleaning Messy Data in R. Presented at R-Ladies St. Louis Meetup, Washington University in St. Louis.

Lewis, C. (2019). Introduction to R. Guest lecture for LaunchCode CoderGirl Data Analysis track, St. Louis, MO.

Lewis, C. (2018). Survey Says: You can use Tableau to Impact School Climate. Presented at Tableau Fringe Festival APAC, Online.