

Alexandra Rett

PhD, Experimental Psychology

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Summary

I am a research and data analyst with experience supporting K–12 Student Information Systems and state reporting environments, developed through district, research, and cross-organizational roles. In my current role, I support special education information systems by guiding providers on accurate data entry, resolving system errors, and reviewing reports and audits across platforms such as CALPADS and SEIS to ensure accurate, compliant student data.

Experience

Data & Assessment Technician

November 2025 – present

Cajon Valley Union School District

- Maintain and support Student Information Systems and compliance databases, including CALPADS and SEIS, ensuring data accuracy, integrity, and timely reporting.
- Troubleshoot data discrepancies across systems, identify root causes, and coordinate corrective actions with staff.
- Respond to data- and system-related requests from schools and district departments; provide guidance on data entry, reporting, and procedures.
- Develop and maintain internal reference materials to support consistent use of special education information systems and common error resolution.
- Create and update quick-reference guides and training materials to support consistent data entry and reduce recurring system errors.

Research Fellow (Contract)

Feb 2025 – Nov 2025

Coalition for Advanced Understanding of School Environments, CADRE

- Design and refine research protocols for evaluating K–12 learning environments.
- Perform advanced statistical analysis using R (e.g., factor analysis, survey weighting) to validate measurement tools and ensure data reliability.
- Use Excel, Google Sheets, and R to prepare datasets and generate reports for district stakeholders.
- Create slide decks with actionable takeaways for non-technical stakeholders, including educators.
- Create research documentation and user guides to build research capacity across partner organizations (e.g. Austin ISD).

Graduate Student Researcher

Sep 2018 – June 2025

UC San Diego

- Led over 30 end-to-end research studies evaluating learning tools and games for children under 10, using usability testing, interactive prototypes and interviews to assess engagement, comprehension, and task success.
- Applied statistical modelling (mixed effects, factor analysis) to behavioral and survey data, surfacing insights that informed experimental design and child-facing interface improvements.
- Coordinated the administration, grading, and record-keeping of student assessments (exams, quizzes, assignments).
- Manage 5+ researchers, assigning responsibilities, communicating timelines, and providing technical guidance.

Key Skills

Data Management: Data collection, processing, verification, record-keeping, reporting.

Statistical Analysis: R, SPSS, Excel, basic SQL, factor analysis (EFA/CFA), regression, ANOVA, mixed-effects models.

Tools & Communication: R Markdown, Qualtrics, SurveyMonkey, Excel dashboards, stakeholder reporting.

Education

Ph.D. Experimental Psychology; University of California, San Diego

2025

M.S. Psychology (Developmental & Communication Science); University of Waterloo

2018

B.S. Psychology, Co-op; University of Waterloo

2017