

# Robin Sifre

Behavioral Scientist with 7+ years of quantitative research experience  
in applied and collaborative settings.  
Passionate about improving peoples' lives through data.

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## WORK & QUANTITATIVE RESEARCH EXPERIENCE

**Data Scientist/Statistician | TransYouth Project, Princeton University**

**DEC 2020-PRESENT**

- Leverage prospective longitudinal data on gender nonconforming youth to test theories on the impact that transitioning has on mental health.
- Design logical and clear data organizational structure for 20-year-long study.
- Build data cleaning and data import/export pipeline in R.

**Data Science Consultant | EarliTec Diagnostics**

**JAN 2021-PRESENT**

- Work with engineers to document software for a product that uses eye-tracking data to diagnose infants with autism spectrum disorders.

**Quantitative Researcher & Ph.D. Candidate | University of Minnesota**

**SEP 2016 – MAY 2021**

**Metric development & adjusting for bias in survey data**

- Statistically adjusted for measurement bias due to [cultural factors](#) and [age](#) in data from parents reporting on their children's behaviors.
- Used adjusted metrics to identify age-related trends.

**Modelling infant eye-tracking data**

- Leveraged methods from Complexity Science to model changes in [attention development](#).
- Created eye-tracking [processing pipeline](#) for researchers.
- Used exploratory data analysis to examine the relationship between functional brain networks and [attention development](#).



## TECHNICAL SKILLS & ACHIEVEMENTS

**Software:** R, Python, MATLAB, Excel; Intermediate Java. Experience with SQL and bash scripting.

**Statistics:** Descriptive and inferential statistics. Logistic regression, factor analysis, causal inference, time series analysis, longitudinal analysis, SVM, and multi-level modelling.

**Other:** Data visualization, data wrangling, experimental design, survey design and analysis, psychometrics, writing and communication, public speaking.

**Achievements:** Recipient of \$138,000 NSF training grant. Rhodes Scholarship finalist.

**Personal Interests:** Climbing, science outreach, hiking.



## EDUCATION

**Ph.D. in Developmental Psychology | University of Minnesota Twin Cities | May 2021**

**B.S. in Cognitive Neuroscience | Brown University | May 2014, *Magna Cum Laude***