

# Jake Riley

✉ [rjake@sas.upenn.edu](mailto:rjake@sas.upenn.edu)

🔗 [rjake](#) | 🖼️ [Portfolio](#)

## 🎯 Goals

improving the performance of analytics teams - reducing technical debt through mentorship and code review - building robust dashboards and reports

## ⚙️ Skills

### advanced

*data wrangling - data viz - R package development - code review*

### proficient

*SQL - Tableau - Qlik Sense - dbt - GitHub - GIS - Microsoft Office*

### familiar

*REST APIs - sentiment analysis - statistics - Power BI*

### interested

*Python - Machine Learning - NLP*

## 💻 R Packages

[headliner](#) (author)

*dynamic text for dashboards and reports*

[shinyobjects](#) (author)

*debug reactive objects at the console*

[simplecolors](#) (author)

*intuitive color names*

[whereiation](#) (author)

*automated exploratory data analysis*

## 👥 Community

*Code for Philly - DC Trans Coalition - Emergence Community Arts Collective - MakeoverMonday - Men's Resource Center - Neighborhood Bike Works - OneDC - Project HOME - R-Ladies - TransHealth Conference*

## 📁 Relevant Work Experience

*Only lists data-related jobs. Other work includes direct service in the field of HIV case management, internships, and retail.*

### Clinical Data Programmer Analyst III

2017 - Present

CHILDREN'S HOSPITAL OF PHILADELPHIA

Philadelphia, PA

- Innovate and enhance data solutions via R package development, dashboard templates, dbt macros
- Author of over 30 dashboards, hundreds of data requests, robust data marts
- Mentor junior analysts on analytic strategy, data visualization, technical solutions
- Teach deep-dive sessions regarding efficient SQL code, regular expressions, writing functions
- Design novel datasets for the CHOP Data Warehouse (ex. diagnosis hierarchy)
- Identify scheduled queries that are underutilized or computationally expensive
- Increase team utilization of GitHub and code review from 17% engagement to 73% (56 / 76 analysts)

### BI Analyst - Human Resources

2016 - 2017

COMCAST

Philadelphia, PA

- Built HR dashboards in Tableau on employee turnover and diversity (~1K users)
- Automated quarterly reports for the senior vice president
- Participated in cross-department data viz working group
- Used travelling salesman and GIS methods to optimize travel for HR trainings

### Data Analyst

2015 - 2016

POLICYMAP

Philadelphia, PA

- Aggregated over 150 national GIS datasets across 9 geographies in SQL Server
- Introduced new automated process in R for testing and validating GIS results

### Production Analyst

2003 - 2008

WHOLE FOODS MARKET

Landover, MD

- Automated production schedule for regional commissary, supporting 32 stores
- Predicted ingredient quantity required for joint fall and winter holidays
- Minimized food waste and redundant usage of kitchen equipment
- Created algorithms for weekly soup production schedule (~5K gallons a day)
- Created VBA macros in Excel for data collection and reporting

## 🎓 Education

### University of Pennsylvania

2015

B.A. SOCIOLOGY - QUANTITATIVE METHODS | SUMMA CUM LAUDE | PHI BETA KAPPA

Non-traditional student. Coursework focused on GIS and data visualization

### Community College of Philadelphia

2012

A.A. LIBERAL ARTS | WITH HIGHEST HONORS | PHI THETA KAPPA