


# Jake Riley

Senior Data Analyst | Philadelphia, PA | [rjake@sas.upenn.edu](mailto:rjake@sas.upenn.edu) |  [rjake](#)

## R Competencies

### advanced

package dev • tidyverse •  
flexdashboard • code review

### proficient

shiny • testthat •  
glue • GitHub • GIS

### familiar

mockery • rlang •  
S3 • modules • CSS

### interested

Python • R6 •  
golem

## Relevant Experience

### Clinical Data Programmer / Analyst III

CHILDREN'S HOSPITAL OF PHILADELPHIA

2017 - Present

Philadelphia, PA

- Support analytics team to find and promote the best methods for building deliverables
- Enhance in-house data solutions via R package development, flexdashboard templates and dbt macros
- Consult on analytic strategy, data visualization, and technical solutions
- Teach monthly "deep-dive" sessions via quarto site to share best practices
- Reduce technical debt by identifying assets that are computationally expensive or underutilized
- Increase PR utilization and code review. We started at 17% engagement and now at 73% (56 / 76 analysts)

### BI Analyst - Human Resources

COMCAST

2016 - 2017

Philadelphia, PA

- Built HR dashboards for employee turnover, diversity, and data dictionary (~1,200 users)
- Automated quarterly reports for the senior vice president
- Used techniques such as travelling salesman algorithms to optimize travel for HR trainings

### Data Analyst

POLICYMAP

2015 - 2016

Philadelphia, PA

- Aggregated over 150 national datasets across 9 geographies
- Introduced new automated process for testing and data validation

### Production Analyst

WHOLE FOODS MARKET

2003 - 2008

Landover, MD

- Automated the production schedule for the Mid-Atlantic commissary, supporting 32 stores
- Determined how many 180-gallon kettles of soup to be made each hour
- Minimized redundant usage of kitchen equipment in food preparation

## Education

### University of Pennsylvania

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

2012-2015

Philadelphia, PA

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

### Community College of Philadelphia

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

2011-2012

Philadelphia, PA

## R Packages

**headliner** (author) adds dynamic, informative text to dasboards and reports

**shinyobjects** (author) allows the user to debug reactive objects at the console

**simplecolors** (author) a simple color palette that is intuitive and easy to remember

**whereiation** (author) where(is the variation) - automated exploratory data analysis

## Volunteer / Community

Code for Philly (contributor) • Compass (data) • DC Trans Coalition (advocate) • Emergence Community Arts Collective (data) • Iraq Veterans Against the War (data) • #MakeoverMonday (tableau) • Men's Resource Center (facilitator) • Mill Creek Farm (data) • Neighborhood Bike Works (facilitator) • OneDC (data) • OpenDataPhilly (data) • Project HOME (data) • R-Ladies (speaker) • TechCamp Philly (data) • TransHealth Conference (data)