

Jake Riley

Senior Data Analyst | rjake@sas.upenn.edu | [rjake](#)

Skills

advanced

R • data wrangling • data viz •
package dev • code review

proficient

SQL • Tableau • dbt • shiny •
GitHub • GIS

familiar

REST APIs •
sentiment analysis •
statistics

interested

Python • Machine Learning •
NLP

Relevant Work Experience

Clinical Data Programmer Analyst III

2017 - Present

CHILDREN'S HOSPITAL OF PHILADELPHIA

Philadelphia, PA

- Centrally support analytics team to find and promote the best methods for building deliverables
- Enhance in-house data solutions via R package development, dashboard templates and dbt macros
- Consult on analytic strategy, data visualization, and technical solutions to junior analysts
- Author of over 30 dashboards, hundreds of data requests, and domain-specific data infrastructure
- 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

2016 - 2017

COMCAST

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

2015 - 2016

POLICYMAP

Philadelphia, PA

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

Production Analyst

2003 - 2008

WHOLE FOODS MARKET

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

2012-2015

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

Philadelphia, PA

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

Community College of Philadelphia

2011-2012

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

Philadelphia, PA

R Packages

[headliner](#) (author) adds dynamic, informative text to dashboards 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)