

Jake Riley

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

Goals

improving the performance of analytics teams - reducing technical debt - providing mentorship to junior analysts - 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

interested

Python - Machine Learning - NLP

R Packages

[headliner](#) (author)

dynamic text for dasboards 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

- Centrally support analytics team to identify and promote the best practices
- Enhance in-house data solutions via R packages, dashboard templates and dbt macros
- Author of over 30 dashboards, hundreds of data requests, and domain-specific data infrastructure
- Design novel datasets for the CHOP data warehouse (ex. diagnosis hierarchy)
- Identify assets that are underutilized or computationally expensive
- 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 (~1K 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

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