


# Jake Riley

Data Analyst | Philadelphia, PA  
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advanced	proficient	familiar	interested
R • data wrangling • data viz • package dev • code review	SQL • Tableau • QlikSense • shiny • GitHub • GIS	DBT • REST APIs • sentiment analysis	Python • Machine Learning • NLP • Statistics

## Relevant Work Experience

### Clinical Data Programmer / Analyst III

CHILDREN'S HOSPITAL OF PHILADELPHIA

2017 - Present  
Philadelphia, PA

- **Innovate** and enhance in-house data solutions (R packages, dashboard templates, trusted data layer)
- **Consult** on analytic strategy, data visualization, and technical solutions
- Enhance proficiency of analytics team through **mentorship** and ongoing training series
- Reduce technical debt by leading code review process and **simplifying code** base
- Completion of hundreds of data requests, putting **common metrics** into standardized tables or dashboards
- Tools: *SQL, R, QlikSense, shiny, dbt*

### BI Analyst - Human Resources

COMCAST

2016 - 2017  
Philadelphia, PA

- Built HR **dashboards** for employee turnover, diversity, and data dictionary (1,200 users)
- **Automated** a quarterly report for the senior vice president of human resources
- Used techniques such as travelling salesman algorithms to **optimize** travel for HR trainings
- Tools: *Tableau, R, SAP Business Objects*

### Data Analyst

POLICYMAP

2015 - 2016  
Philadelphia, PA

- Aggregated over 150 **national datasets** across 9 geographies
- Introduced new **automated process** for testing and data validation
- Tools: *SQL, ArcMap, R*

### 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
- Tools: *Excel/VBA*

## 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 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 var)iation - 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)