

# Jake Riley

SENIOR DATA ANALYST | PHILADELPHIA, PA

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## 🏢 Relevant Work Experience

### Clinical Data Programmer / Analyst III

Philadelphia, PA

CHILDREN'S HOSPITAL OF PHILADELPHIA

2017 - Present

- `extbf{Mentor}` and accelerate technical capital of analytics team while reducing technical debt
- Innovate and enhance in-house data solutions (R packages, dashboard templates, trusted data layer)
- Consult on analytic strategy, data visualization, and technical solutions
- Introduce novel datasets to our data warehouse (ex. diagnosis hierarchy, self-generating calendars)
- Built data infrastructure that became foundation for enterprise tables
- Tools: SQL, QlikSense, dbt, R, shiny, VS Code

### BI Analyst - Human Resources

Philadelphia, PA

COMCAST

2016 - 2017

- Built new dashboards for employee turnover, data dictionary, and underrepresented minorities for up to 1,200 end users
- Automated a quarterly report for the senior vice president of human resources
- Helped peers use the right methods to generate insights and visualize results
- Provided difficult analyses such as travelling salesman problems
- Tools: SAP Business Objects, Tableau, R

### Data Analyst

Philadelphia, PA

POLICYMAP

2015 - 2016

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

### Production Analyst

Landover, MD

WHOLE FOODS MARKET

2003 - 2008

- Responsible for automating the production schedule for the Mid-Atlantic commissary
- Determined ingredient quantity for daily and holiday orders of 32 stores
- Minimized redundant usage of kitchen equipment (only want to prep and clean each station once)
- Determined how many 180-gallon kettles of soup to be made each hour
- Tools: Excel/VBA

## 🎓 Education

### University of Pennsylvania

Philadelphia, PA

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

2012-2015

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

### Community College of Philadelphia

Philadelphia, PA

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

2011-2012

## ⚙️ Skills

- **highly proficient** data manipulation & visualization – tidyverse – package development – code review
- **proficient** sql – tableau – qlikSense – shiny – github – gis – census data
- **novice** javascript – css – dbt – api
- **interested** python – machine learning – advanced statistics

## 💻 R Packages

- **headliner** (*author*) generates building blocks for creating dynamic text 🔗
- **shinyobjects** (*author*) allows the user to debug reactive objects interactively 🔗
- **simplecolors** (*author*) a simple color palette that is intuitive and easy to remember 🔗
- **whereiation** (*author*) where(is the var)iation - an automated exploratory data analytics package 🔗