



## Teaching / Training

### DataCamp courses

#### Authored

- Joining Data in SQL
- Data Storytelling via the tidyverse

#### Edited/Project Managed

- Machine Learning for Finance in Python
- Model Validation in Python
- Machine Learning in the Tidyverse
- RNNs for Language Modeling in Python
- Modeling with Data in the Tidyverse
- Communicating with Data in the Tidyverse
- A/B Testing in R
- ... and 80+ others

### Workshops (linked to slides)

- Statistical Inference: A Tidy Approach
- A Fully Customizable Textbook for Introductory Statistics / Data Science Courses

### Talks (linked to video)

- Creating the fivethirtyeight R package
- Teaching Introductory Statistics Using the tidyverse via bookdown
- Creating and using templates in R Markdown

### Academic courses

- Reed College - Intro to Probability & Stats
- Pacific University - Social Statistics
- Ripon College - Data Analysis
- Ripon College - Computer Science I (C++)

## Tools

- Git / GitHub
- Jupyter notebooks
- Pandas
- scikit-learn
- NumPy
- Command Line
- shiny
- R Markdown
- tidyverse
- APIs

## Skills

- Applied machine learning
- Statistical modeling
- Classification methods
- Regression techniques
- Automated reporting
- Technical writing and communication
- Unit testing

## Education

### PhD | Statistics (2013)

Arizona State University

### MS | Statistics (2008)

Northern Arizona University

### BS | Computational & Applied Math (2006)

South Dakota School of Mines & Technology

## Projects

### Statistical Inference via Data Science: A ModernDive into R and the Tidyverse | Co-author

To be published in Winter 2019 - At <https://moderndive.com>

- CRC Press textbook designed for data science novices
- Built up ideas using data visualization as the driver
- Taught statistical concepts via data science principles

### Getting used to R, RStudio, and R Markdown | Co-author

2018 - At <https://rbasics.netlify.com>

- Created manual to help novices get going quickly
- Included screencasts to show the workflows

### Different R packages (linked) | Co-author

2016 - current

- infer: statistical inference via a tidy approach
- fivethirtyeight: datasets used by FiveThirtyEight in their stories
- thesisdown: a template for reproducible theses
- moderndive: tidyverse friendly linear regression
- izzyuntappd: data and analyses on beers I've enjoyed

## Experience

### DataRobot | Data Science Evangelist

July 2019 - Current

- Lead data science and data engineering in-person workshops
- Coordinate all DataRobot trainings in the western US and Canada
- Develop and revise DataRobot data science and time series curriculum using R, Python, SQL, and the DataRobot platform

### DataCamp | Head of Content Development (Belgium)

February 2019 - July 2019

- Managed a small Content Developers ensuring individual growth through personalized development plans
- Built tools to make reviewing content easier using GitHub, shiny, R Markdown, and DataCamp databases
- Automated workflows using the Asana API to improve efficiency

### DataCamp | (Senior) Curriculum Lead

June 2017 - March 2019

- Managed team-member onboarding and training
- Interviewed candidates across teams
- Improved workflows with external instructors through the use of Asana and other project management tools
- Used data to drive curriculum decisions

### Reed College | Data Science Consultant / Stats Professor

July 2015 - June 2017

- Designed new curriculum to use R and Python in the sciences
- Supported faculty and student research with statistics help
- Led workshops and data science labs
- Supported college-wide data science and computing initiatives
- Collaborated with the community on data science events

### Mentor Graphics | Statistical and Data Science Consultant

November 2015 - September 2016

- Examined relationships between products sold using text analysis
- Designed lasso/ridge regression models assessing retention