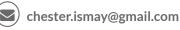
Chester Ismay

Data Scientist | Leader | Educator



605-484-7066



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chesterismay

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