
GREG A. DAMICO

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DATA SCIENTIST | INSTRUCTOR | APPLIED MATHEMATICIAN

I am an ethically responsible data scientist who understands that data provides the key to solving complex business, human, and social problems. I am a critical thinker with adaptive research skills stemming from an extensive background in applied mathematics and academic philosophy, making me an effective, engaged communicator and a collaborative, open-minded data scientist. My work seeks to solve complex business and social problems by creatively combining human ingenuity, cutting edge technologies, and rigorous teamwork practices.

- Extensive experience in statistical modeling with Python / Pandas, Scala / Spark, R, and MATLAB
 - Familiarity with many Python libraries including numpy, scipy, sklearn, statsmodels, matplotlib, seaborn, tensorflow, pytorch, flask, BeautifulSoup, nltk, genism, and networkx
- Database experience using SQL and MongoDB
 - PostgreSQL, SQLite
 - MongoDB and MongoDB Atlas
- Exposure to many other languages including JavaScript and JSON, HTML and CSS, Perl, Ruby, and C
- Proficiency with workflow tools like git / GitHub, Tableau, GoogleDocs, GoogleColab, AWS, Jupyter
- Many years' experience with LaTeX as well as both MS Office and Apple office applications
- Excellent ability to communicate complex technical concepts to diverse audiences of all sizes
- Highly effective collaboration and time management strategies for diverse team projects, including learning management, committee work, seminar leadership, curriculum design, and social media projects
- Research and publishing experience in both short-term and manuscript-length projects
- Cultural competence: fluency in German; working knowledge of Romance languages

PROFESSIONAL EXPERIENCE AND TRAINING

Instructional Coordinator, Data Science
Flatiron School

January 2022 –

- Initiated lecture workshop series with data science instructors
- Organized lecture review process for data science instructors
- Built series of short videos for data science students

Lead Lecturer, Data Science
Flatiron School

September 2021 – January 2022

- Managed a small team of lecturers
- Worked to onboard new instructors and to familiarize them with our curriculum
- Ran workshops to go over course materials
- Reviewed instructors in their lecturing capacity
- Worked closely with Curriculum Team in keeping the curriculum up-to-date

Central Lecturer, Data Science
Flatiron School

December 2020 – September 2021

- Developed and maintained lectures for FI data science program
- Developed and curated exit tickets for lectures
- Integrated content with regional instructional teams

Lead Data Science Instructor
Flatiron School

March 2019 – December 2020

- Led data science instruction at Flatiron Seattle
- Organized team for creation of uniform student assessments
- Developed mentoring program for Seattle DS students

Data Consultant

Process Undergraduate Journal

October 2018 – June 2020

- Introduced webscraping into the process to streamline calls for abstracts
- Reviewed student work for acceptance into the journal

SQL Bootcamp Training

General Assembly

October 2018

Data Science Fellow

General Assembly

April 2018 – July 2018

General Assembly's Data Science Immersive (DSI) is a 12-week long training program dedicated to give students a deep dive into the world of Data Science, focusing on the ability to analyze, make sense of, convey data-driven facts from massive data sets, and predict what happens next through predictive modeling and pattern recognition.

Online Training

August 2015 – May 2017

- Business Metrics for Data-Driven Companies and Mastering Data Analysis in Excel, 1st and 2nd courses of Excel to MySQL: Analytic Techniques for Business: Coursera / Duke University
- Foundations of Data Science, Data Visualization 1&2 with *ggplot2*, Intro and Intermediate R: DataCamp and Springboard
- R Programming Certificate with Distinction: Coursera / Johns Hopkins

RELEVANT LONG-TERM PROJECTS

“Projecting and Exploring U.S. Mortality from Major Diseases”, Summer 2018

- Utilized **Python** and **Pandas** to construct and manipulate datasets
- Scraped data from webpages with **BeautifulSoup** and manipulated them with **RegEx**
- Trained and tuned a neural network using **keras**
- Constructed visualizations with **Tableau** and **matplotlib**

“International Demographic”, Fall 2017 – Spring 2018

- Constructed dataset on linguistic and religious information on the countries of the world
- Developed powerful visualizations with **Tableau** and **ggplot**

“Finding a Fuel-Efficient Car”, Data Science Project, Fall 2016

- Discovered, isolated and adapted a large dataset.
- Mined the matrix and wrangled the data by running statistical diagnoses (Chi-squared, R^2 values, etc.) on the data in **R**.
- Discovered patterns in the data that enabled predictions about the MPG-performance of various car manufacturers.
- Developed effective strategies for how to choose fuel-efficient cars wisely.
- Drafted a report with my recommendations and prepared a **PowerPoint** presentation for a professional audience.

PUBLICATIONS

- [“Soccer and Statistics: Counting Possible Final Group Standings”](#), self-published 25 July 2021 on linkedin.com.
- [“Which State Is Most in the Middle of the Country?”](#), self-published 24 July 2020 on linkedin.com.
- [“The Worst Hitter in the History of Major League Baseball: The Bayesian Approach”](#), self-published 3 July 2018 on linkedin.com.
- [“A Quick Scikit-Learn Breakdown”](#), self-published 15 June 2018 on linkedin.com.
- [“Isn't All Science 'Data Science'?”](#), self-published 1 Feb 2018 on linkedin.com.
- Review of *How to Get Philosophy Students Talking: An Instructor's Toolkit*, in *Teaching Philosophy* (2016).
- “Sameness in Being Is Sameness in Species: Or: Was an Aristotelian Philosophy of Identity Ever Credible?”, in the *Journal of Value Inquiry* (2014).

EDUCATION

- M.S., Applied Mathematics, University of Washington, March 2017
- Ph.D., Philosophy, UC Davis, September 2011
- M.A., Greek, University of Michigan, May 2007
- M.A., Philosophy, UC Davis, March 2006
- B.A., Physics, The Ohio State University, March 2001
- B.A., Philosophy and German, The Ohio State University, March 2001