

DANIEL DULANEY

Data enthusiast with 3 years of professional data science experience working for an MLB analytics team (Pittsburgh). Strong stats/programming background – I especially enjoy data visualization, building R Shiny apps, and automating a nice report. I thrive in team environments and love finding curious, collaborative, thoughtful people to do cool stuff with.

CONTACT

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☎ 919-673-0201

INDUSTRY EXPERIENCE

Dec
2021
|
Feb
2019

Fellow, Baseball Informatics

Pittsburgh Pirates

📍 Pittsburgh, PA

- Cleaned, collected, and manipulated data (often large and messy); wrote data cleaning pipelines through SQL jobs, R packages/functions; scraped web pages often (using page HTML/JSON, and Selenium)
- Built statistical models to answer pressing research questions, automate data quality checks, and rank (and value) players using a variety of statistics, measures, and data sources; used modeling tools/packages such as tidymodels, caret, and scikit-learn
- Managed and queried from tables/databases within an extensive team database; wrote SQL code to create tables, clean incoming data, and store/manage it moving forward
- Presented research findings through clean, thoughtful outputs; visualizations, tables, dashboards, write-ups, and applications using tools like ggplot2, R Markdown, and R Shiny; often intended for outside, non-technical audiences
- Collaborated alongside many analysts and engineers on data/research projects; planning, project management, and the sharing of results were all done with care and intent

EDUCATION

May
2022
|
Aug
2020

M.S., Statistics

NC State

📍 Online

- Coursework included: Bayesian models, machine learning, technical communication / consulting

May
2019
|
Aug
2016

B.S., Statistics (minor Philosophy, Economics)

NC State

📍 Raleigh, NC

- Coursework included: Statistical theory, R/Python/SAS, regression/linear models, experimental design
- Involved with Sports Analytics Club, Doran's Lab (data science), did independent stats/data projects with professors, PhD students, and peers

May
2016
|
Aug
2014

Statistics

UNC-Greensboro

📍 Greensboro, NC

- Member of baseball team, Honors College

SKILLS

- Experienced (several years in industry) with R, SQL, Git/GitHub; working knowledge of Python, R Shiny, Stan
- Standard statistical/machine learning models (regressions, mixed models, tree-based methods, clustering) and techniques (cross-validation, model evaluation, boosting).
- Ability to communicate complex/technical concepts to folks with various backgrounds.
- I'm easy to get along with, and I treat people well!

Made with the R package [pagedown](#).

Last updated on 2022-11-01.



PROJECTS/RESEARCH

May
2019
|
July
2017

Undergraduate Research

Stats Department, Doran's Lab

📍 NC State

- Data projects for NC State baseball team – web scraped box scores, classified pitches with clustering algorithms, automated player/team reports, made various data visualizations
- Projects with Doran's Lab (a data science research group) – included deep / reinforcement learning reading groups & implementations, data wrangling, visualizations. Good programming practices with Python were emphasized.