DANIEL DULANEY

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

🎓 EDUCATION

May 2022 | Aug 2020

M.S., Statistics
NC State

📍 Online

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

May 2019 | Aug 2016

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

📍 Raleigh, NC

- Coursework includes: Statistical theory, R/Python/SAS, regression/linear models, experimental design
- Active part of Sports Analytics Club, Doran's Lab (data science), did independent research with profesors, PhD students, and peers

May 2016 | Aug 2014

Statistics (minor Philosophy, Economics)
UNC-Greensboro

📍 Greensboro, NC

- Member of baseball team, Honors College

💼 INDUSTRY EXPERIENCE

Dec 2021 | Feb 2019

Intern/Fellow, Baseball Informatics
Pittsburgh Pirates

📍 Pittsburgh, PA

- '20-'21: Draft-focused – data processes with R/SQL, modelling, general R&D, player discovery/evaluation
- '19: Data/research support for various groups within analytics (draft, advance/major league, international, athlete)
- Sat in on '19 scouting leadership, '20/'21 draft room, '21 trade deadline meetings

💻 PROJECTS/RESEARCH

May 2019 | July 2017

Undergraduate Research
Stats Department, Doran's Lab

📍 NC State

- Data projects for NC State baseball team – included web scraping box scores, classifying pitches with clustering algorithms, automation of player/team reports, various data visualizations
- Projects with Doran's Lab, a data science group. Included deep / reinforcement learning reading groups & implementations, data wrangling, visualizations, good programming practices with Python

CONTACT

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SKILLS

- Experienced (several years in industry) with R, SQL, Git/GitHub; working knowledge of R Shiny, Python, 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 self-aware, easy to get along with, and I care deeply about people.

PROJECT LINKS

- Markov simulator poster and R Shiny app

- Bayesian modelling

- Doran's Lab article