

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 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
- 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

INDUSTRY EXPERIENCE

Dec
2021
|
Feb
2019


Intern/Fellow, Baseball Informatics

Pittsburgh Pirates

 Pittsburgh, PA


- '20-'21: Draft-focused – data processes with R/SQL, modelling, visualizations, reports, player discovery/evaluation/write-ups
- '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

CONTACT

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SKILLS

- Experienced (several years in industry) with R, SQL, Git/GitHub; working knowledge of R Shiny, Python, Stan, JavaScript
- 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 treat people well.

PROJECT LINKS

- [Various R Shiny apps](#)
- Markov simulator [poster](#) and R Shiny app
- [Bayesian modelling](#)
- [Doran's Lab research](#)

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

The source code is available [on https://github.com/ddstats1/resume](https://github.com/ddstats1/resume).

Last updated on 2021-11-17.



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 group) – included deep / reinforcement learning reading groups & implementations, data wrangling, visualizations. Good programming practices with Python were emphasized.