

Ben Mayersohn, Ph.D

Data Scientist

✉ contact@benmayersohn.com

🌐 benmayersohn.com

🐙 github.com/benmayersohn



Skills

Python, SQL, R, NumPy, Pandas, Scikit-Learn, Keras, Tensorflow, Data Visualization, Data Cleaning, Data Analysis, Airflow, Web Scraping, Selenium, BeautifulSoup, JSON, Git, Shell Script

Work Experience

Appfigures

- May 2020 – present * Data Scientist
- Sept 2019 – May 2020 * Junior Data Scientist
- June 2019 – Aug 2019 * Data Science Summer Intern

I have trained and released models that produce estimates of app downloads and revenue, which we provide to customers looking to better understand their competitors' position in the marketplace. I have contributed to a number of other projects that make use of our extensive database of app metadata. Most recently, I have developed classification pipelines to identify matching entities across different mobile app stores (i.e. cross-platform apps and developers) using natural language processing (NLP) methods. I also tackle various projects using a mix of Python, R, SQL, and shell scripting to maintain and improve our infrastructure.

Personal Projects

- May 2019 * **Web Scraping: Key Data Science Skills from Monster.com**
Developed a module to scrape job listings from Monster.com using BeautifulSoup. Added JSON (de)serialization capabilities for saving/loading results. Created class to tally keywords from individual listings or a group of search results. Visualized distribution of most popular keywords for data science jobs in NYC.
- Apr 2019 * **Slotenium: Online Slot Gameplay and Statistics**
Developed a framework for automating game play of online slot machine demos using Selenium. Collected the results from thousands of spins to develop an approximate distribution of returns to player. Currently employs this code to see if returns on pirated demo games are artificially high.
- Apr 2019 – May 2019 * **ShadeGPX: Locations For Race Event Photographers**
Wrote code in Python to process race course coordinates from Strava and determine the best photography spots. Devised a formula for a "shade factor" that increases with the length of the shadow cast in front of a runner. As a hobbyist race photographer, I sometimes employ this code to choose my location.

Education

- Sept 2013 – Sept 2022 * **Doctor of Philosophy (Ph.D) in Atmosphere Ocean Science and Mathematics**
New York University, Courant Institute of Mathematical Sciences
- Sept 2009 – May 2013 * **Bachelor of Science (B.S.) in Applied Mathematics**
Columbia University, School of Engineering and Applied Sciences
Honors: Magna Cum Laude, Dean's List (Fall 2009 - Fall 2012)