TIM SIMPSON

DATA SCIENTIST

Contact

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in https://www.linkedin.com/in/tim-simpson-datasci/

🐙 https://github.com/tjsimpson524/NBA-Rest-Analysis-Project

About

Before data science, I was a free-lance writer, writing daily, everything from articles for a men's fashion blog, to fictional short stories, to screenplays.

My time writing taught me how to extract a story out of the infinite possibilities a blank page, similar to that of an analyst weeding through the noise a dataset to find answers at the heart of a question. I enjoy the search, and know that the skills I honed as a writer -- self-discipline, self-motivation, problem-solving, research, amongst many others -- will translate well to a career as a data scientist.

Projects

NBA Rest Analysis

- Created Shiny app in R using scraped and cleaned NBA gamelog data.
- Broke data down to answer discover the effect of rest on an NBA team.
- View code: https://github.com/tjsimpson524/NBA-Rest-Analysis-Project#nba-rest-analysis-project

Education

Nashville Software School

Certificate of Data Science

University of Tennessee in Knoxville

B.A. Speech Communications, 2003

Technical Skills

- Python
- R
- SQL
- Git/Github
- Data Analysis
- Statistical Modeling
- Webscraping
- Machine Learning

Technical Experience

Data Scientist

Nashville Software School · 2022-2023

Intensive part-time bootcamp focusing on data science fundamentals and problem solving. Used real-world datasets and included projects where findings were presented to stakeholders from the community.

- *Wrangled data and performed exploratory data analysis using Python's pandas library and R's tidyverse packages*
- *Created data visualizations using matplotlib, seaborn, and ggplot2*
- *Performed geospatial analysis using geopandas and folium*
- *Gathered data through APIs and webscraping*
- *Retrieved and analyzed data using PostgreSQL and sqlalchemy*
- *Built and evaluated statistical and machine learning models using the scikit-learn and statsmodels libraries*
- *Applied natural language processing using the nltk and spaCy libraries*
- *Performed network analysis on graph data using Neo4j*
- *Built and deployed interactive data visualizations using the R Shiny library*
- *Source code version control with Git/GitHub*
- *Project management/tracking with GitHub project boards and issue tracking*
- *Interacted with AWS using the CLI and ssh*

Professional Experience

Freelance Writer
Los Angeles, CA & Nashville, TN 2010-2021
- *Screenwriting*
- *Fictional short story writing*
- Copywriting
- Blog content

Writer's Assistant at Gerolmo Films
Los Angeles, CA 2007-2010
- *Collaboration on Academy Nicholl Fellowship semi-finalist project*
- *Assistant during writing of film and TV series scripts*

Master Control Operator
WVLT-TV 8, Knoxville, TN & FOX 17, Nashville• 2003-2006
- Monitor all on-air programming
- *Work in conjunction with news department on live news casts*
- *Coordinate with news department on live feeds*
- *Edit commercial video content for air play*
- *Troubleshoot issues that arose during live broadcasts and other technical issues*