

Kiersten Johns

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DATA SCIENTIST

Passionate educator turned dynamic data scientist, I am dedicated to transforming raw information into actionable insights. With a strong foundation in mathematics cultivated during my tenure as a high school math teacher, coupled with hands-on experience as a data analyst, I bring a unique blend of analytical rigor and pedagogical skill to the world of data science.

SKILLS

- **Programming Languages:** Git, Python, R, SQL
- **Python Libraries:** Matplotlib, Numpy, Pandas, Scikit-Learn, Seaborn
- **Machine Learning:** Classification, Feature Engineering, NLP, Neural Networks, Predictive Analytics Tools, Regression
- **Software:** Google Suite, JupyterLab, Microsoft Office, Slack, Tableau, Zoom

DATA SCIENCE PROJECTS

Book Recommender and Classifier | [GitHub](#) 12/2023

- Designed and implemented a robust book recommender and classifier system.
- Developed a user-friendly interface for seamless interaction with the classifier system.
- Employed feature engineering and preprocessing methods to enhance the quality of input data, resulting in more accurate and reliable predictions.

Web API's and NLP | [GitHub](#) 10/2023

- Integrated Natural Language Processing (NLP) techniques to analyze and extract valuable insights from textual data received through the Reddit API.
- Implemented secure authentication mechanisms and data validation to ensure the reliability and security of the web API.
- Explored background research regarding our nation's educator's mental health and health insurance.
- Constructed a predictive model utilizing MultinomialNB that achieves a 97.59% accuracy in predicting whether a mental health help inquiry originates from an educator.

EXPERIENCE

General Assembly, Data Science Immersive Remote, 09/2023 - 12/2023

- Successfully completed a 13-week, 500+ hours course of expert-led instruction in Data Science skills including Python programming, data visualizations, statistical modeling and supervised and unsupervised machine learning.
- Conducted exploratory data analysis, created visualizations to understand data, and performed data cleaning and feature engineering on large datasets to prepare for modeling.
- Developed projects to apply hands-on learning of building, tuning and evaluating models for regression, classification, natural language processing, and neural networks to develop models that best solve specific business problems.

UMZU, Marketing Data Analyst Remote, 06/2021 - 12/2022

- Analyzed UMZU's personal health product sales data using statistical techniques and visualization tools to uncover trends.
- Constructed comprehensive reports and dashboards to communicate marketing performance metrics to the members of the marketing team.
- Automated daily data pulls using Parabola, giving back 12.5% of a work-day's time.

Ramona High School, Secondary Mathematics Teacher Ramona, CA, 08/2018 - 06/2021

- Developed and implemented comprehensive lesson plans for Math I, Math II, and PreCalculus courses, fostering an engaging and effective learning environment to 675+ students.
- Integrated technology, such as interactive whiteboards and educational software, to enhance lesson delivery and student engagement.
- Collaborated with student success teams to create, launch, and refine engaging and responsive curriculum for students at all levels.
- Analyzed student growth and success on a weekly, monthly, and semesterly basis via direct and indirect measures.

Oceanside Collegiate Academy, Secondary Mathematics Teacher Mt. Pleasant, SC, 08/2016 - 06/2018

- Utilized diverse teaching methods and resources to accommodate various learning styles and ensure student comprehension of mathematical concepts.
- Supported and advised over 150 students in grades 9-12 over a 2-year period.
- Taught multiple sections of Algebra I, Geometry, Trig/PreCalc, and ACT/SAT Prep.

EDUCATION

General Assembly, Data Science Immersive Certificate: 12/2023
The Pennsylvania State University, B.S Secondary Mathematics Ed. State College, PA, Graduated: 05/2016