MASEN BACHLEDA

Graduate Student

Enthusiastic graduate student eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Experienced with creating ML algorithms in R such as k-means, KNN, and hierarchical clustering. Comfortable with complex SQL queries and relational databases. Please check out GitHub repositories for project files and descriptions.

Relevant Experience

2020-10 - 2020-12

KNN Customer Classification

University of Nebraska, Lincoln, NE
- Developed KNN algorithm in R to classify bank customers as successful or non-successful loan acceptance
- Iterated values of K to find which yielded the highest accuracy in a confusion matrix

2021-01 - 2021-02

SQL Database Design

University of Nebraska, Lincoln, NE
- Lead efforts to design and create a database for a potential real estate company
- Successfully created database following standard normalization procedures for relational databases
- Demonstrated functionality with business focused queries

2019-08 - 2019-12

Gerrymandering Simulation

University of Nebraska, Lincoln, NE
- Developed a Markov Chain Monte Carlo algorithm with Python to analyze if a redistricting plan has partisan bias
- Utilized Matplotlib library to generate authentic statistical visualizations
- Presented research and results to university math department

2019-08 - 2019-12

Learning Assistant

University of Nebraska, Lincoln, NE
- Supported interaction between students during group work activities using guided conversation
- Collaborated with Professor to monitor progress of students and adjust instructional strategies to meet specific needs more efficiently

Education

2020-08 - Current

Master of Science: Business Analytics

University of Nebraska - Lincoln - Lincoln, NE
- Advanced learning of regression analysis, classification models, data mining, and data management
- Supply Chain Management
- Current GPA: 3.778

2017-08 - 2020-05

Bachelor of Science: Mathematics and Statistics

University of Nebraska - Lincoln - Lincoln, NE
- Dean's List Fall 2019
- Graduated with 3.317 GPA

Contact

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GitHub

github.com/MasenBachleda

Skills

R Visualization
Clustering Analysis
Machine learning
Data Mining
Regression Analysis

Software

R
SQL
Python
Java
Microsoft Excel

Languages

German: A2 Certified