MASEN BACHLEDA

Master of Science in Business Analytics

Enthusiastic business analytics graduate student eager to contribute to a dynamic organization's data-driven decision-making team. Enjoys creating ML algorithms in R and Python such as k-means, KNN, and hierarchical clustering, while also leveraging the benefits of complex SQL queries and relational databases. Graduating in August 2021. Click HERE for GitHub repositories to view specific projects.

Relevant Experience

2021   **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

2020   **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

2019   **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   **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

Contact

Address
Carpentersville, Illinois, 60110

Phone
847-346-6868

E-mail
masenbachleda@gmail.com

LinkedIn
www.linkedin.com/in/masen-bachleda-525374165

GitHub
github.com/MasenBachleda

Skills

R Visualization
Clustering Analysis
Machine learning
Data Mining
Regression Analysis

Software

R
SQL
Python
Java
Microsoft Excel

Libraries

NumPy
Pandas
matplotlib
TensorFlow
Keras
ggplot2