

# MASEN BACHLEDA

## Master of Science in Business Analytics

Enthusiastic business analytics graduate student eager to contribute to a progressive organization's data-driven decision-making team by utilizing his passion, experience, and skills for collecting, shaping, storing, managing, and analyzing data. Enjoys creating ML algorithms in R such as k-means, KNN, and hierarchical clustering, while also being experienced with complex SQL queries and relational databases. Graduating in August 2021. Click [HERE](#) for GitHub repositories to view specific projects.

### Relevant Experience

2021	<b>SQL Database Design</b> <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none"><li>Lead efforts to design and create a database for a potential real estate company</li><li>Successfully created database following standard normalization procedures for relational databases</li><li>Demonstrated functionality with business focused queries</li></ul>
2020	<b>KNN Customer Classification</b> <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none"><li>Developed KNN algorithm in R to classify bank customers as successful or non successful loan acceptance</li><li>Iterated values of K to find which yielded the highest accuracy in a confusion matrix</li></ul>
2019	<b>Gerrymandering Simulation</b> <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none"><li>Developed a Markov Chain Monte Carlo algorithm with Python to analyze if a redistricting plan has partisan bias</li><li>Utilized Matplotlib library to generate authentic statistical visualizations</li><li>Presented research and results to university math department</li></ul>
2019	<b>Learning Assistant</b> <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none"><li>Supported interaction between students during group work activities using guided conversation</li><li>Collaborated with Professor to monitor progress of students and adjust instructional strategies to meet specific needs more efficiently.</li></ul>

### Education

2020-08 - Current	<b>Master of Science: Business Analytics</b> <i>University of Nebraska - Lincoln - Lincoln, NE</i> <ul style="list-style-type: none"><li>Advanced learning of regression analysis, classification models, data mining, and data management</li><li>Supply Chain Management</li><li>Current GPA: 3.778</li></ul>
2017-08 - 2020-05	<b>Bachelor of Science: Mathematics and Statistics</b> <i>University of Nebraska - Lincoln - Lincoln, NE</i>

### Contact

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#### GitHub

[github.com/MasenBachleda](https://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