

MASEN BACHLEDA

Graduate Student

Enthusiastic 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. Click [HERE](#) for GitHub repositories to view specific projects.

Relevant Experience

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| 2021 | SQL Database Design <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none">• 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 <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none">• 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 <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none">• 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 <i>University of Nebraska, Lincoln, NE</i> <ul style="list-style-type: none">• 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

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| 2020-08 - Current | Master of Science: Business Analytics <i>University of Nebraska - Lincoln - Lincoln, NE</i> <ul style="list-style-type: none">• 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 <i>University of Nebraska - Lincoln - Lincoln, NE</i> |

Contact

Address
Carpentersville, Illinois, 60110

Phone
847-346-6868

E-mail
masenbachleda@gmail.com

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

GitHub
<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