

Gabriella Herrera

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EDUCATION

University of Illinois at Urbana-Champaign, Gies College of Business
Master of Science in Business Analytics (MSBA)

Expected Graduation: May 2024
Champaign, IL

University of Illinois at Urbana-Champaign, College of ACES
Bachelor of Science in Food Science and Human Nutrition
Concentration: Food Science

May 2022
Champaign, IL

WORK EXPERIENCE

Hazard Analysis and Critical Control Specialist
OSI Group

July 2022 – June 2023
Fort Atkinson, WI

- Developed and managed food safety and quality-focused dashboards, enhancing visibility into key metrics and facilitating data-driven decision-making
- Collaborated with cross-functional teams to gather and analyze data from various sources, ensuring efficient and compliant daily production
- Identified and resolved data inconsistencies in food safety reports, ensuring alignment with company policies and regulatory standards
- Conducted weekly investigations and analysis of customer complaints, proactively identifying trends, and supporting root cause analysis for quality improvement initiatives

Food Safety Quality and Regulatory (FSQR) Intern
Cargill

May 2021 – August 2021
Waco, TX

- Utilized Excel to develop a comprehensive digital library for conducting glass and brittle plastic audits, ensuring meticulous documentation and data integrity
- Conducted in depth analysis on over 15 Alternative Protein formulas to establish acceptable ranges tailored to customer preferences and regulatory standards
- Designed a cross-training matrix to evaluate the skill sets within the FSQR department, identifying areas for improvement and enhancing team efficiency

ACADEMIC PROJECTS

Freight Forecast Accuracy Reporting (Python)

September 2023 – Present

- Developed Python scripts to create visuals for forecast accuracy and aid in cost analysis
- Conducted root cause analysis to improve accuracy by identifying and resolving key factors
- Enhanced accuracy reporting methods, facilitating better decision-making across facilities and business units

Business Intelligence and Insights for Heart Attack Risk (Python, Tableau)

September 2023 – December 2023

- Performed comprehensive data analysis to identify correlations and patterns within heart attack risk factors
- Created interactive visualizations and dashboards using Tableau to explore heart attack risk factors
- Applied advanced statistical techniques and machine learning algorithms to predict factors contributing to heart attack risk

Predicting Supply Chain Routes (Python, MS Excel)

September 2023 – December 2023

- Utilized Python for data preprocessing, exploratory data analysis, and predictive modeling
- Delivered model-based reports with recommendations for cost savings and operational efficiency, contributing to the improvement of logistics

SKILLS

Languages: SQL (MySQL), R, Python

Analytical Tools: Advanced Excel, Tableau, SafetyChain, KNIME, MongoDB, Wolfram Mathematica, MS Office Suite

Technical Skills: AWS, Data Modeling, Data Visualization, Statistical Analysis, Business Intelligence, Machine Learning

CERTIFICATIONS

- Microsoft Azure Certification
- [L1-DW] KNIME Analytics Platform for Data Wranglers: Basics