MINOR IN AGRICULTURAL DATA ANALYTICS FOR DECISION MAKING

Strategies for the management of agricultural, food, and natural resources systems (including business, non-profits, government) using an evidence based – data driven approach. Their focus will be on learning how to find and analyze data satisfying the needs of decision makers to implement practical improvements that benefit food security and safety, as well as human and ecosystem well-being. The bulk of their coursework in classes related to data analysis for decision making; the use of real-world data will result in a skillset that will provide data-informed technical advice for actors operating in agricultural, food and natural resource systems. The primary needs for using data in agricultural decision making include crop management, risk assessment, animal health, livestock management, soil health, agricultural environmental protection, climate change mitigation and adaptation, supply chain management, food access, food and nutrition security, and urban farming.

Learning Objectives

Upon successful completion, students will be able to:

1. Describe data needs and requirements for decision making in agricultural, food and natural resource systems.
2. Describe agricultural, food, and natural resource systems, and business environments through data and data analytics.
3. Use data analytics to identify and solve problems related to the management of agricultural, food and natural resource systems and business.
4. Develop plans to identify, collect, analyze, and store data related to agricultural, food, and natural resource systems decision making.