



2 Fight Hunger

Agricultural Data Analysis

ONLINE CERTIFICATE COURSE

Analyze Data. Design Experiments. Drive Discoveries.

BUILD IN-DEMAND SKILLS FOR REAL-WORLD DATA ANALYSIS

Gain the practical skills to analyze, visualize, and interpret data using Excel and R. Learn statistical analysis, experimental design, and data visualization through hands-on exercises, real-world datasets, and project-based assessments.

This certificate is ideal for students, researchers, and professionals in agriculture, plant sciences, and beyond.

Our goal: This course will focus on the understanding and application of agricultural data systems, providing graduates the skills needed to support the long-term stability and efficacy of global farming systems.

If you want to:

- Fight global hunger
- Teach agriculture systems
- Work at a seed company (or already work at a seed company)
- Start a public or private sector agriculture program
- Improve the efficiency of your agricultural system
- Research crop improvement
- Add a data systems qualification to your resume
- Start an agricultural career

...this course is
for you!

WHEN: May 17 - August 20, 2027
WHERE: Online
COST: \$600 [public sector]
\$1200 [private sector]

APPLICATION DEADLINE
JANUARY 1, 2027



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CORE TOPICS

- R Programming
- Data Visualization, ggplot2
- Experimental Design
- Hypothesis Testing
- ANOVA & Post-Hoc Testing
- Correlation and Regression
- Data Cleaning
- Publication-Quality Graphs
- Interpretation & Communication of Results

“It was such a unique experience, and for the first time I truly felt that I understood statistics in a meaningful way. The R assignments were also an amazing experience.”

—Mihiran Pinnagoda, Global Plant Breeding Statistics Student



Sarah Lee
Assistant Professor of Technology
and Occupational Sciences,
Northern Michigan University
leesara9@msu.edu



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