

Data Analytics and AI in Nutrition

Friedman Core*

Nutrition science	Quantitative reasoning	Policy and programs	Experiential learning
NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients	NUTR 206: Biostatistics 1	NUTR 203 <u>OR</u> NUTR 215 <u>OR</u> NUTR 238 <u>OR</u> NUTB 206**	Project-based coursework
2 courses, 6CR, FALL/SPR	1 course, 3CR, FALL	1 course, 3CR, VARIES	Minimum of 120 hours

Specialization Requirements

Required courses	Recommended courses	Related courses
NUTR ON 390: Introduction to AI-Based Applications for Nutrition and Health Research • 3CR, FALL NUTR 394: Advanced Data Analysis • 3CR, FALL NUTR 393: Data Visualization and Effective Communication • 3CR, SPR	NUTR 204: Principles of Epidemiology • 3CR, FALL/SPR NUTR 237: Data Management Using SAS • 3CR, FALL NUTR 309: Biostatistics 2 • 3CR, SPR	NUTR 231: Fundamentals of Geographic Information Systems (GIS) • 3CR, FALL NUTR 210: Survey Research in Nutrition • 3CR, SPR NUTR 392: Nutrition Systematic Review and Meta-analysis • 3CR, SUM

Skills and Knowledge Gained

Proficiency in statistical analysis; Data visualization; Critical thinking in data interpretation; Gain hands-on experience with real-world data sets; Incorporate ethical considerations in data analysis and use of AI; Develop understanding of capabilities and limitations of AI algorithms and practical skills for AI use

*Please speak with your advisor or the Dean for Education if you would like to request an exemption or substitution.
** NUTR203: Fundamentals of Nutrition Policy and Programs; NUTR 215: Fundamentals of US Agriculture; NUTR 238: Economics of Food, Agriculture and Nutrition ; NUTB 206: Global Nutrition Policy and Programs