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 OR NUTR 215 OR NUTR 238 OR NUTR ON 206**	Project-based coursework, internship directed study, or other non-classroom experience
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 305: Nutritional Epidemiology • **3CR, FALL** NUTR 309: Biostatistics 2 • **3CR, SPR** NUTR 240: Nutrition Science Journal Club • **0CR, SPR** NUTR 319: Intermediate Epidemiology • **3CR, SPR**	NUTR 231: Fundamentals of Geographic Information Systems (GIS) • **3CR, FALL** PH 291: Analysis of Multilevel & Longitudinal Data • **VARIES** NUTR 375: Applied Genetic Epidemiology and Biostatistics in Nutrition Research • **3CR, SPR**

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 ; NUTR ON 206: Global Nutrition Policy and Programs
Please note: The courses listed here and their availability may be subject to change. Please check SIS for current course offering.