Data Analytics and AI in Nutrition

Tufts University | Gerald J. and Dorothy R. Friedman School of Nutrition Science and Policy

Friedman Core*

Nutrition science	Quantitative reasoning	Policy and programs	Experiential learning	Friedman Seminar
NUTR 245 & 246: Scientific Basis for Nutrition, Micro & Macronutrients	NUTR 206: Biostatistics 1	NUTR 203 **OR** NUTR 215 **OR** NUTR 238 **OR** NUTB 206**	Project-based coursework	2 semesters of Friedman Seminar Course
2 courses, 6 credits	*1 course, 3 credits*	*1 course, 3 credits*	*Minimum of 120 hours*	*2 semesters, 1.5 credits each*

Specialization Requirements

Required courses	Recommended courses	Related courses
NUTR 390: Introduction to AI-Based Applications for Nutrition and Health Research (AIRNH)	NUTR 204: Principles of Epidemiology	NUTR 210: Survey Research in Nutrition
NUTR 393: Data Visualization and Effective Communication	NUTR 237: Data Management Using SAS	NUTR 231: Fundamentals of Geographic Information Systems (GIS)
NUTR 394: Advanced Data Analysis	NUTR 309: Biostatistics 2	NUTR 392: Nutrition Systematic Reviews and Knowledge Translation
Ethical Use of Data Analytics and AI ***		

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
****Course in development; not yet required*