

MSCI-3230. Data Science Tools and Methods

Learning Outcomes

Last Updated: February 9, 2018

(Sa180209-5.5.1f)

Learning Outcomes <i>This is a sentence completion exercise.</i> <u>At the end of this course, the successful student will know and be able to:</u>	Characteristics of a University of Windsor Graduate <u>A U of Windsor graduate will have the ability to demonstrate:</u>
A. Compare the capabilities and limitations of advanced data analytic techniques. Compare the capabilities and limitations of software used to conduct data analytic analysis and software used to integrate data analytic models into business processes.	A. the acquisition, application and integration of knowledge
B. Acquire, integrate, and prepare diverse forms of business related data for use in data analytic models.	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C. Apply a structured problem-solving approach to analyze business problems within a range of business domains and formulate cost effective data analytic solutions to these problems. (Also applies to I)	C. critical thinking and problem-solving skills
D. Analyze business data using advanced data analytic techniques such as clustering, classification, regression, sentiment analysis, social network analysis, and simulation.	D. literacy and numeracy skills
E.	E. responsible behaviour to self, others and society
F. Create data analytic model output that facilitates the use of this output for business decision making.	F. interpersonal and communications skills
G.	G. teamwork, and personal and group leadership skills
H. Create data analytic models to address business problems that arise in various business disciplines.	H. creativity and aesthetic appreciation
I.	I. the ability and desire for continuous learning