University of Rhode Island

DigitalCommons@URI

2-2-2022

Machine Learning for Finance FIN 433

Andrée Rathemacher
University of Rhode Island, andree@uri.edu

Follow this and additional works at: https://digitalcommons.uri.edu/lib_cd_impct

Part of the Collection Development and Management Commons, and the Finance and Financial Management Commons

Subject selectors will complete this form as requested, assessing library materials and collections as detailed below. Send one copy of the assessment to the faculty member who requested it. Send one copy of the assessment to the Collection Management Officer.

Course: FIN 433 Machine Learning for Finance

Department, College: Finance, College of Business

Faculty Member: Prof. Xiaowei Xu

Date returned to Faculty: February 7, 2022

Librarian Completing Assessment: Prof. Andrée Rathemacher

Collection Management Officer: Prof. Joanna Burkhardt

Assessment of:

- Suitability of existing library resources;
- New library resources required to support the program;
- Information skills education required by the students; and
- Funds needed for library materials and services.

Please include:

1. What library holdings already exist in relevant subject categories. How much money is now allocated in the subject area?
2. Does URI have the essential journals as noted in the Faculty Questionnaire?
3. What new resources are required to support the course (including media, electronic, or other non-print materials)?
4. What information mastery sessions will be required for the students?
5. What is the approximate cost to acquire the materials necessary? Which of these will be continuing costs?

The Library Impact Statement for FIN 433 *Machine Learning for Finance* states that students will <u>not</u> be conducting library research in the course. The proposed syllabus confirms this. The responses to the prompts on the Course Request LIS Form, "LIST the critical journals, monographs, and electronic resources in the field that the University Library MUST have in order to support this course or program" and "LIST any additional journals, monographs and electronic resources in the field that would support the course, but are NOT essential" are unfilled. Per the syllabus, there is one textbook. The University Libraries offer an e-book version of the second (more recent) edition of this title on an unlimited concurrent user basis. The syllabus lists four additional recommended books.

All are available through the URI Libraries as e-books, three with unlimited concurrent access models and one on a one-concurrent-user basis (Elements of Statistical Learning, Springer, 2009).

Based on my review of the Library Impact Statement and the proposed syllabus for FIN 433 *Machine Learning for Finance*, I conclude that:

Students will not require information skills education from the library for this course.

Existing library resources are suitable; no new library resources or funds are required to support the course.

In my role as Subject Selector for the College of Business, I support the addition of this course.

Andrée J. Rathemacher
Professor
Head, Acquisitions, University Libraries
Library Liaison to the College of Business

Rev 6/16/15 jmb