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Programming for Data Science CSC 310

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LIBRARY IMPACT STATEMENT (New Course Proposal)
LIBRARIAN'S ASSESSMENT

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: CSC 310 – Programming for Data Science

Department, College: CSC & STATS, Arts & Sciences

Faculty Member: Lutz Hamel

Date returned to Faculty: March 23, 2017

Librarian Completing Assessment: Amanda Izenstark

Collection Management Officer: 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?

\$4,500 per year is allocated for Computer Science & Statistics monographic purchases.

As the University already has courses in computer science and statistics, the topics covered by the course are well supported by journal subscriptions, databases, and e-books at URI, and by print monographs available at the University Libraries. Because data science has been a topic of growing interest, I have been adding relevant monographs to the collection for several years.

2. Does URI have the essential journals as noted in the Faculty Questionnaire?

No journals are noted, but the topics in the course are covered by many of our online subscriptions.

3. What new resources are required to support the course (including media, electronic, or other non-print materials)?

No new materials are specifically noted, but as with any new curricular development, I will continue to add materials on the topic to the collection as part of regular collection management.

4. What information mastery sessions will be required for the students?

Projects (including the midterm and final) for CSC 310 are primarily data visualization and programming assignments, so information mastery sessions with a librarian are not necessary. For students to learn more about finding scholarly research, theories, and trends, a session with a librarian regarding applicable resources may be useful for students.

5. What is the approximate cost to acquire the materials necessary? Which of these will be continuing costs?

Adding materials will take place as part of the regular collection development activities, so no additional costs are expected.