

2-16-2017

## Data Science Program

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### Recommended Citation

Izenstark, Amanda, "Data Science Program" (2017). *Library Impact Statements*. Paper 844.  
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**LIBRARY IMPACT STATEMENT (New Program 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.

Program: Data Science

Department, College: Data Science Program, Arts & Sciences and Business

Faculty Member: Prof. Joan Peckham

Date returned to Faculty: 2/16/17

Librarian Completing Assessment: Amanda Izenstark

Collection Management Officer: Joanna Burkhardt

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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 program subject area?

The University Libraries have a good core collection of computer science and statistics materials, and as interest in data science has grown over recent years, additional materials to support research in this area have been added to the collection. Overall, Computer Science and Statistics is currently allocated \$4,500 per year for the purchase of monographs.

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

No essential journals are noted, as many of the projects students will be undertaking will fall under disciplines that already have strong collections in print and online: Computer Science and Statistics, Business, Mathematics, Engineering, etc.

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

No new research resources are required to support the program. As has been the practice over past years, annual adjustment of the Libraries' collection in Safari Tech Books will take into account the new Data Science curriculum. Ideally, the University Libraries will purchase more books and an additional license to the Safari Tech Books collection in the future, based on usage.

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

As students will not be conducting library research for their projects, sessions based on databases and catalog holdings are less relevant. Consultations with and attendance at sessions run by the new Data Science Librarian will enhance student work, however.

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

There are *currently* no new costs to be incurred.

Should demand for ebooks related to data science grow, this may involve some additional costs. Based on quotes Prof. Andrée Rathemacher, Head of Acquisitions, received from URI's ProQuest representative in November 2016, adding 20 books to the current Safari Tech Books collection would cost an additional \$737 per year, and adding an additional seat to the subscription would cost approximately \$2,000 per year.

In the future, as the program evolves, it may be useful to subscribe to databases containing datasets, and purchase other standalone datasets. For the maximum benefit to the entire University community, establishing the University Libraries as the subscriber and point of access for these resources will streamline and facilitate access for researchers across disciplines.

Rev 6/16/15 jmb