

## Library Learning Analytics - Proposed Data Collection Case Studies

Data	Benefit to Library and Institution	Benefit to Patrons
<p><b>Collections Use Data</b></p> <ul style="list-style-type: none"> <li>a. Circulation Data - loans &amp; renewals</li> <li>b. Interlibrary Loan ILLiad Records</li> <li>c. Special Collections Usage</li> </ul> <p>We will collect data on loans and renewals (“events”) from physical collections. The data will be drawn from Aleph, Illiad (title, call #, type, etc.) and Aeon systems. Data will include the titles loaned/renewed, the date of the event, and other relevant item metadata.</p>	<ul style="list-style-type: none"> <li>● Use library data on patron activity and analyze with other UM academic data to assess impact of library use on student success</li> <li>● Compare the use of our primary sources and secondary sources, which of these different departments are more likely to use and whether it’s a predictor of student success if they use one or the other</li> <li>● More detail on who is using collections, which units, and what roles of users. Can impact purchase, marketing, and instructional efforts.</li> </ul>	<ul style="list-style-type: none"> <li>● Patrons will be able to compare their own use/performance against aggregated metrics, demographics, and disciplines.</li> <li>● Recommender systems in library resources - such as patrons who checked out this book also checked out..</li> <li>● Patrons could access lists all of the materials they previously checked out/requested</li> <li>● Loan data from course reserves collections could inform faculty of the effectiveness of assigned readings</li> </ul>
<p><b>Instruction Data</b></p> <ul style="list-style-type: none"> <li>a. Course Integrated Instruction Sessions</li> <li>b. Library Credit Course Registrations</li> <li>c. Open Workshop Attendance</li> </ul> <p>For A: date of the session, tools / topics covered, course info (subject, course #, section #).</p> <p>For B: topics / topics covered.</p> <p>For C: date of the session, tools / topics covered, registration / attendance information.</p>	<ul style="list-style-type: none"> <li>● Use data to assess impact of library instruction on student success, including breadth, depth, and gaps of our program</li> <li>● Become more strategic about how we use our instructional resources</li> <li>● Explore these questions and build strategies to address them - How many students do we teach during their undergraduate years? How many never have library instruction? How many have multiple sessions; does sequence or timing make a difference? Do disciplinary differences affect use/need for library instruction?</li> </ul>	<ul style="list-style-type: none"> <li>● Offer instruction when it is most beneficial for students success</li> <li>● Engage program administrators about integrating instruction where it may be needed/better positioned.</li> <li>● Patrons can see when and which workshops they have taken, and also compare themselves to others in their respective disciplines.</li> <li>● Understand how our human resources are being used in instruction, and whether there are more effective ways/places to use these human resources</li> </ul>

<p><b>Reference/Technology Transactions</b></p> <p>a. Email-based Reference Transactions b. Technology Consultations</p> <p>We will collect username, question and answer history (topic), and date/time stamp.</p>	<ul style="list-style-type: none"> <li>Analyzing types of questions asked enhances our ability to create appropriate or targeted web-based tools, including web pages, research guides, tutorials, etc.</li> <li>Analyze student reference use data with other UM data to assess impact of reference use on academic success</li> <li>Create follow up surveys on use of reference and technology consultations to assess services</li> </ul>	<ul style="list-style-type: none"> <li>Better designed web-based tools/guides for conducting research and using technology</li> <li>Enhanced ability to connect the use of library services to student success</li> <li>Improved reference and technology consultation services based on specific user feedback</li> </ul>
<p><b>Library Databases/Online Resources</b></p> <p>a. Library proxy server logs - username / date &amp; timestamp (duration) / which site or database accessed / number of requests from source (lots of variation by vendor)</p> <p>b. Library workstation logins (from ITS) usernames / date &amp; timestamp / which stations</p> <p>c. Wireless logins within the library space (from ITS) - usernames / date &amp; timestamp / locations</p>	<ul style="list-style-type: none"> <li>Use library data on patron activity and analyze with other UM academic data to assess impact of library use on student success</li> <li>What does physical presence in the library tell us about student success?</li> </ul>	<ul style="list-style-type: none"> <li>Patrons will be able to compare their own use/performance against aggregated metrics, demographics, and disciplines.</li> </ul>