

# Tim Dennis

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## Experience

- 2015–present **Data Services and Collections Librarian**, *UC San Diego Library*, La Jolla, CA.  
Provide consultation and training on data discovery and re-use, research data management, and statistical programming to students, faculty and staff. Identify and acquire new data resources. Collaborate with non-Library campus data service providers. Provide technology training and mentoring to library staff. Serve as UCSD Official Representative to ICPSR. Administers local Dataverse instance.
- 2006–2015 **Research Technology & Services Specialist**, *UC Berkeley Library Data Lab*, Berkeley, CA.  
Provided numeric data/quantitative reasoning consultation to students and faculty. Co-designed, opened & managed the Library Data Lab in 2008. Built Drupal sites implementing diverse domain requirements with best-practice approaches using behavioral/test driven development. Established the Library's LibTech training programming providing internal training on a diverse array of technologies including, Google Analytics, web widgets, Python, and Drupal. Coordinated the Library Technology Training Program (LibTech) for over 400 staff members
- 2002–2006 **Web Developer & Government/Data Specialist**, *UC Berkeley Library*, Berkeley, CA.  
Selected, installed, maintained, & customized web collaboration applications including wikis, blogs, & messaging. Administered library development server including creating and managing accounts, monitoring logs, updating applications, and monitoring usage and security logs. Managed multiple cross-functional teams in developing and implementing new library web based services. Trained users and created instruction materials on adoption of new collaboration tools. Provided numeric data/government information reference to students and faculty via IM, email & face-to-face.
- 2005–2006 **Usability Researcher**, *Center for Document Engineering*, Berkeley, CA.  
Completed needs assessment, usability analysis and user testing for academic web pattern library application. Developed a pattern library using participatory design techniques, personas, scenarios, lo-fi and hi-fi prototyping. Developed a web pattern application using parallel development environments in JSP, XSL, XML, & and PHP, CSS, XHTML, MySQL, & JavaScript.

## Education

**MS, Information Management & Systems**, *School of Information*, University of California - Berkeley, Berkeley, CA.

**BS, Sociology**, *Millsaps College*, Jackson, MS.

## Technical Experience

### Experienced With

languages Python, R, HTML, CSS, JSON, PHP, SQL technologies Drupal CMS, MySQL, SQLite,  $\LaTeX$ , Bash Scripting, Git, Vim, Jupyter, R Studio, Stata, SAS, SPSS, Dataverse

## Publications

2016 **Dennis, Tim**, *“Using R and ggvis to Create Interactive Graphics for Exploratory Data Analysis”*, Ed. Lauren Magnuson, *Data Visualization: A Guide to Visual Storytelling for Libraries*. Lanham, MD: Rowman & Littlefield

## Instruction

- October 10-11, 2016 **Workshop Leader**, *Library Carpentry, UC Berkeley*, Two day workshop introducing librarians to the data skills needed to better perform their work..
- August 4–5, 2016 **Instructor**, *Software Carpentry, UCSF*, Two day workshop introducing scientists to the programming skills they need to conduct their research..
- July 18–21, 2016 **Instructor**, *Library Carpentry Workshop, UC San Diego*, Four half-day workshop introducing librarians to data skills needed to perform their work..
- May 17–18, 2016 **Workshop Leader**, *Software Carpentry, UC San Diego*, Two day workshop introducing scientists to the programming skills they need to conduct their research..
- April 20–May 5, 2016 **Instructor**, *Intro to Python, UC San Diego Department of Economics.*, Three week Python series providing an introduction in Python, how to work with data using Python, and working with web data in code.
- March 7–9, 2016 **Instructor**, *R for Genomics Series, UC San Diego Library*.
- Winter 2016 **Instructor**, *Skills Course in R, Python and Data Management including SQL, UCSD School of Global Policy and Strategy*.
- 2010 **Instructor**, *Getting Started in Drupal, UC Berkeley LibTech*.
- 2010 **Instructor**, *Using the Content Construction Kit (CCK) in Drupal, UC Berkeley LibTech*.
- 2009 **Instructor**, *Introduction to Google Analytics, UC Berkeley LibTech*.

## Conference Presentations, Panels, Workshops & Posters

- September 19, 2016 **“Data Science Education: Researcher/Library Collaboration via Carpentry”**, *T Dennis, J Schneider, & R Otsuji*, Presentation at SciDataCon, Denver, CO.
- September, 2016 **“Best Data Practices Across Research Disciplines Through Instruction”**, *T Dennis, J Schneider, & R Otsuji*, Poster at SciDataCon, Denver, CO.
- June 14, 2016 **“Data Instruction: Developing New Roles for Data Librarians”**, *R Otsuji and T Dennis*, Presentation at Pacific Division of the American Association for the Advancement of Science, San Diego, CA.  
doi:10.5281/zenodo.56830
- June 6, 2016 **“Jupyter Jumpstart: An Introduction to Literate Programming”**, *T Dennis and H Dekker*, Workshop at European Automation Group, Copenhagen, Denmark.
- June 1, 2016 **“Social Media Data in the Academic Environment: Two Institutions and One Big Provider”**, *S Tulley and T Dennis*, Presentation at IASSIST Annual Conference, Bergen, Norway.  
doi:10.5281/zenodo.56730
- May 31, 2016 **“Python for IASSIST”**, *T Dennis*, Workshop at IASSIST Annual Conference, Bergen, Norway.

- 2013 **“Introduction to R”**, *T Dennis and H Dekker*, Workshop at IASSIST Annual Conference, Cologne, Germany.
- May 27, 2008 **“Google Data API”**, *T Dennis and H Dekker*, Workshop at IASSIST Annual Conference, Stanford, California.

## Professional Service - National/International

- 2016 Software Carpentry Instructor
- 2015–present International Association for Social Science Information Services and Technology - Web Committee

## University Service

- 2015–2016 **Senior Stakeholder**, *Data & GIS Lab Redesign*, Research Services, UC San Diego Library. Change the form and function of the Lab - including layout, furniture, and computing - to enable small group collaboration, mobility, and flexible studio space
- 2016–17 **Delegate**, *Librarians Association of the University of California*, San Diego Division.
- 2016 **Member**, *Common Knowledge Group*, UC Data Curation.
- 2015–present **Member**, *Research Data Curation Team*, UC San Diego Library.
- 2014–2015 **Technical Lead**, *Library Administrative Web Services*, UC Berkeley Library, Process improvement project to create workflows in Drupal to support Library staff travel.
- 2013 **Member**, *Research and Academic Engagement Benchmarking Project*, UC Berkeley, Team received Staff Appreciation and Recognition (STAR) awards for work.
- 2011-2013 **Member**, *Integrated Library System Steering Committee*, UC Berkeley Library.
- 2011-2012 **Member**, *UCB Staff Development Committee*, UC Berkeley Library.
- 2009-2012 **Member**, *Web Advisory Group*, UC Berkeley Library.
- Detailed activities:
- Developed tool in Drupal to gather and track user interface enhancement of Millennium System
  - Conducted and wrote: “Usability Test Report for UC Berkeley Library Website”
- 2007 **Member**, *Task Force on Doe/Moffitt Web Subject Page*, UC Berkeley Library.
- 2007 **Gardner Stacks Survey Task Force**, *UC Berkeley Library*.
- 2005-2015 **Member**, *Social Sciences Council*, UC Berkeley Library.

## Memberships

International Association for Social Science Information Services and Technology (IASSIST)  
 Software Carpentry Foundation  
 Research Data Alliance  
 DataCure