

Elizabeth Bartmess, MS, MSI

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Education

University of Michigan, Psychology Department and School of Information, Ann Arbor, Michigan

- Master of Science in Psychology (2006) with Certificate in Culture and Cognition (2007)
- Master of Science of Information, Specialization in Human-Computer Interaction (2008)

Rice University, Houston, TX

- Bachelor of Arts in Psychology, Summa cum Laude (2001)

Honors and Awards

- **Presidential Management Fellowship** (Federal Government leadership development program; awarded 2008)
- **National Science Foundation Graduate Research Fellowship** (3 years graduate school funding; awarded 2001)
- **Beinecke Brothers Memorial Scholarship, The Sperry Fund** (2 years graduate school funding; awarded 2000)

Skills and Knowledge Areas

- **Interview and survey programming:** Online surveys, CAPI, ACASI (SurveyGizmo, QDS, Illume). Customized survey functionality and visual theming (Javascript/HTML/CSS).
- **Data management:** Maintain and develop new functionality for participant tracking databases (Access, Excel). Reconcile collected data with tracking database. Clean, validate, and document data.
- **Staff training and tech support:** Train staff in technologies and processes. Solve problems and create solutions, including for commonly-used office software (MS Office including Access, Outlook, SPSS, Google online tools).
- **Data analysis and display:** Write and adapt syntax (SAS, SPSS, Stata); create reports, graphs, and charts.
- **Website consulting and development:** Evaluate websites for usability and professional image. Program in Javascript/HTML/CSS; customize content management and blogging software (Drupal, Wordpress).
- **Additional skills:** Experimental design, surveys, interviews, focus groups. Prepare CHR/IRB applications. Hire, train, manage volunteers. Write and edit documentation, protocols, literature reviews, grants, papers, presentations, posters.

Recent Professional Experience

Programmer / Data Manager with Dr. Emily Arnold, University of California, San Francisco (Dec 2010 – Present)

Primary project: A Randomized Controlled Trial of The Bruthas Project (R01MH090899)

- Program surveys in Illume for ACASI, including complex skip patterns, customized functionality using Javascript, and theming with HTML/CSS. Test surveys extensively.
- Maintain customized Access database for participant tracking and condition assignment; add functionality as needed (forms, queries, reports), including with macros, SQL, and VBA.
- Train staff members with varying levels of technology skills to use tracking, calendaring, and survey applications.
- Back up tracking, scheduling, and survey data weekly. Check for inconsistencies and follow up with staff to resolve issues. Document data issues for statistician.
- Evaluate project website for fit with project purpose, usability, and professional image. Present recommendations to PI and team. Draft statement of work for web designer and review implemented changes.

Data Manager with Dr. Adam Carrico, University of California, San Francisco (Aug 2010 – Present)

Primary project: Outcome evaluation of community-based employment services program (Positive Resource Center)

- Program CAPI and ACASI using QDS, including complex skip patterns.
- Export QDS data to SAS; check data against tracking database. Work with interviewer to resolve inconsistencies.
- Write and adapt syntax to score measures (SAS, SPSS), including measures with complicated branching.
- Perform miscellaneous tasks as needed, including converting SurveyMonkey output to SPSS format.

Research Study Coordinator with Dr. Wolf Mehling, University of California, San Francisco (Jun 2010 – Sep 2011)

Primary projects: Longitudinal study on predictors of chronic back pain, validation of new body awareness measure

- Programmed CAPI in QDS; implemented online surveys in SurveyGizmo.
- Maintained participant tracking database for 500+ participants with multiple contact attempts and data sources (phone interviews, online questionnaires). Performed phone interviews; managed mass mailings.
- Cleaned data; merged data from QDS and SurveyGizmo; catalogued missing values and worked with PI to resolve them. Recoded and calculated new variables. Maintained and updated codebook. Documented data for statistician. Ran basic statistics using Stata, including descriptive statistics, t-tests, correlations, regression.
- Used SPSS syntax and Excel to streamline restructuring of 45 datasets. Documented data management and related analyses for future use.
- Selected and hired volunteers; trained volunteers in interview software and tracking protocols; supervised phone interviews. Used participant/interviewer feedback to adapt script for greater comprehensibility.
- Served as informal knowledge repository for study procedures and analysis discussions. Maintained documentation relating to study design decisions and multiple rounds of analyses over eight months. Reviewed extensive existing material from previous two years to create reference material for use in writing articles.
- Drafted and edited content and navigation for project websites. Edited articles and posters.

Contractor/Researcher to Dr. Larissa Duncan, University of California – San Francisco (Apr 2010 – Sep 2010)

Project: Structured review of organizations offering Mindful or Reflective Parenting training

- Planned, mapped out, and implemented project to support practice-based research design, funding, and advocacy efforts for Mindful and Reflective Parenting. Conducted systematic Internet searches. Created and maintained Access database for information on organizations. Analyzed data; co-authored report and presentation.

Volunteer Research Assistant to Prof. Judith Moskowitz, University of California – San Francisco (Apr 2010 – Jun 2010)

Project: Development of school-based positive affect and coping skills intervention (CEDARS)

- Worked with interdisciplinary team adapting stress reduction program to a general adolescent population. Tracked decisions and decision processes to support adapting program to other environments and populations. Entered, cleaned and managed study data; produced final dataset for analysis.

Presidential Management Fellow at Bureau of Land Management, Colorado (Jul 2009 – Dec 2009)

Projects: Museum education/interpretation plan and visitor pamphlet redesigns

- Developed long-term strategic education/interpretation plan for museum and National Monument. Consulted on hiking trail pamphlet redesigns to increase visitor safety and facilitate trip planning.

Presidential Management Fellow at U.S. Army Logistics Innovation Agency, Pennsylvania (Jul 2008 – Dec 2009)

Major project: Evaluation of Project Lead use of internal business processes and technologies

- Evaluated Project Leads' collaboration and knowledge-sharing needs. Evaluated functionality and usability of existing agency-internal collaboration/knowledge-sharing technology and recommended changes.
- Wrote interface/interaction style guide for dashboard-software project.

Website Consulting Experience

- **Online intervention for chronic health problems:** Reviewed website and made recommendations to improve navigability and appeal; trained study staff in usability evaluation techniques. (*Dr. Judith Moskowitz, University of California – San Francisco, Jan 2011 – Jul 2011*)
- **Website showcasing materials for diabetes risk reduction intervention:** Reviewed website at several stages during development; recommended improvements to navigability and image; suggested relevant UCSF resources. (*Dr. Anita Stewart, University of California – San Francisco, Feb 2011 – Jun 2011*)
- **Internet-based intervention for type 2 diabetes patients:** Advised on questionnaire design, reducing projected programming costs by over 50%; assisted with related editing and organization of federal and intramural grant applications. (*Dr. Michael Cohn, University of California – San Francisco, Jun 2009 – Mar 2010*)