

ICPSR COUNCIL MINUTES

October 11, 2017

Council Members: Robert S. Chen, Lisa Cook, Colin Elman, Jane Fry, Michael Jones-Correa, Chandra L. Muller (Chair), Philip Jefferson, Verna Keith, and Ronald Nakao

ICPSR Staff: Dharma Akmon, Trent Alexander, JD Alford, Rita Bantom, Shuming Bao, Johanna Bleckman, Dieter Burrell, Stephanie Carpenter, Edward Czilli, Linda Detterman, Peter Granda, Libby Hemphill, Lynette Hoelter, Dory Knight-Ingram, Sanda Ionescu, Abay Israel, Susan Jekielek, Kilsang Kim, Kathryn Lavender, Susan Leonard, Maggie Levenstein, Jared Lyle, John Marcotte, Tom Murphy, Justin Noble, Asmat Noori, Amy Pienta, Jukka Savolainen, Sandra Schneider, Michael Shove, Fillippo Stargell, David Thomas, Rujuta Umarji, Harsha Ummerpillai, Vanessa Unkeless-Perez, and Diane Winter

Budget and Policy Committee

Council Members: Robert Chen, Lisa Cook, Michael Jones-Correa, Colin Elman, Jane Fry, Philip Jefferson (Chair), Verna Keith, Chandra Muller, and Ron Nakao

ICPSR Staff: Trent Alexander, JD Alford, Rita Bantom, Johanna Bleckman, Linda Detterman, Maggie Levenstein, Dory Knight-Ingram, Sandra Schneider, and Diane Winter

ACTION ITEM: Examine the allocation of scholarship awards among faculty, graduate, and undergraduate students.

I. Financial and Administrative Issues

A. Financial Reports

Staff reported that FY 2017 ended with surplus of \$1,163K, rather than the budgeted deficit of \$600K. The forecast, as of July 2017 actuals, looks like FY 2018 will also be better than the budget that was approved at the 2017 June Council Meeting

Discussion among staff and Council pursued ideas for future budgeting that reflects the organization's strategic priorities. It was recommended that forecasts incorporate new information more systematically and make better use of past trends.

Council asked about our fundraising goals and how they will fit into the Strategic Plan. Staff reported that our Strategic Plan includes plans to fundraise from individuals, especially Summer Program students and faculty, both past and present.

B. Personnel Update

i. Staffing Report

Staff presented the Staffing Report. No discussion followed.

ii. Hiring Policies

Staff presented the Hiring Policy for both Regular and Temporary employees. Council wondered how recruiting from within ISR increased diversity. Staff explained that:

- It is a larger and more diverse population than just ICPSR, and it is a population that knows the organization.
- We are trying to share opportunities across all of ISR as part of the ISR DEI strategic plan.
- We have changed the job description language to more accurately articulate being more inclusive to the outside audience.

Council encourages ICPSR to be open with respect to giving priority to internal candidates in order to increase diversity.

Staff explained that our overarching goal is outreach so that we are more successful in building a diverse pool of applicants. Generally we hire from a local pool, so we are reaching out to more the diverse local communities. Council noted an oversight and asked us to be sure to add the Michigan State University as one of the local targets.

Staff noted that that the Hiring Policy document is a working document and will make updates for clarity. Council stated that they greatly appreciate the procedures and that they are a great step forward for the organizations.

II. Diversity, Equity & Inclusion Update

Material in the Council Book was highlighted with no further discussion.

III. Governance Issues

A. Restricted Data Use Agreements

Staff presented background information about ICPSR's approximately 30 different Data Use Agreement (DUA) templates. This project focuses on the secure download template. The goal of the project is to create one template that everyone uses with "modules" of approved language that can be dropped in for specific types of data,

sponsor requirements, or institutional language. Our research finding was that there are very few substantive legal differences between all of the DUA templates in use today.

Staff reported that we are very close to having a standard agreement. Having one template with modules should significantly reduce time of staff and the University's Office of Research and Sponsored Projects (ORSP). Once we have approval from the University of Michigan attorneys, we will train staff and transition to new agreements, and educate users and funders. Standing active agreements with current users will remain intact, though, until their expiration.

B. Summer Program Scholarships

Maggie Levenstein handed out a list of current and proposed Summer Program scholarships. It was proposed to Council to rename two of the scholarships, one with the name of the past Summer Program director, William G. Jacoby, and another with the current Summer Program director, Saundra K. Schneider. ICPSR wishes to honor these two individuals who have been committed to the ICPSR Summer Program and to ICPSR. This proposal is cost neutral; additional funding is not being sought.

Council made the following motion:

Change the names of the current list of Summer Program Scholarships (see list below):
[Note that all but Heitowit and Miller are financed entirely out of membership funds and tuition revenue. There are no restrictions based on prior gifts or commitments.]

[Clifford C. Clogg Scholarship](#) - for advanced graduate students in political science and sociology.

[Jerome M. Clubb Scholarship](#) - for advanced graduate students in quantitative history or related fields.

[Henry "Hank" Heitowit Scholarship](#) - for students, faculty, or researchers from all disciplines who are former participants in a four-week session of the ICPSR Summer Program.

[Warren E. Miller Scholarship](#) - for pre-tenure scholars, assistant professors, and senior graduate students conducting research on electoral/political behavior.

[Eugene Owen Scholarship](#) - for advanced graduate students and pre-tenure scholars from any academic discipline researching cross-national differences in education and teaching.

[Scholarship for Education Research](#) - for advanced graduate students in education and related fields.

[Scholarship for Developmental, Child, and Family Psychology](#) - for advanced graduate students in developmental, child, or family psychology.

[Scholarship for Public Administration, Public Policy, and Public Affairs](#) - for advanced graduate students in public administration or related fields.

to the new list of scholarships, with amendment to add “Public Policy” to the Schneider scholarship. The funding sources and amounts will not change. The new, approved list follows:

[Clifford C. Clogg Scholarship](#) - for advanced graduate students in sociology

William G. Jacoby Scholarship – for advanced graduate students in political science

[Jerome M. Clubb Scholarship](#) - for advanced graduate students in quantitative history or related fields.

[Henry "Hank" Heitowit Scholarship](#) - for students, faculty, or researchers from all disciplines who are former participants in a four-week session of the ICPSR Summer Program.

[Warren E. Miller Scholarship](#) - for pre-tenure scholars, assistant professors, and senior graduate students conducting research on electoral/political behavior.

[Eugene Owen Scholarship](#) - for advanced graduate students and pre-tenure scholars from any academic discipline researching cross-national differences in education and teaching.

[Scholarship for Education Research](#) - for advanced graduate students in education and related fields.

[Scholarship for Developmental, Child, and Family Psychology](#) - for advanced graduate students in developmental, child, or family psychology.

Sandra K. Schneider Scholarship - for advanced graduate students in public policy, public administration, and public affairs, or related fields.

The motion was unanimously carried.

The purpose of this proposed name change is to recognize the longstanding contributions of Bill Jacoby and Sandy Schneider to the ICPSR Summer Program and to their broader fields.

Collection Development Committee

Council Members: Jane Fry, Verna Keith, and Ron Nakao (Chair)

ICPSR Staff: Peter Granda, Libby Hemphill, Susan Jekielek, Maggie Levenstein

John Marcotte, Justin Noble, Amy Pienta, Jukka Savolainen, David Thomas, and Rujuta Umarji

Action Item - ICPSR to draft new language to include in its Collection Development Policy that covers external metadata, personally identifiable information (PII), and possibly other changes for consideration in March.

I. Policy for including external metadata in ICPSR catalog

Council reviewed plans to revise the Collection Development Policy regarding ICPSR’s policy vis a vis metadata from data collections and repositories external to ICPSR. Verna Keith asked why data providers would want to include their metadata at ICPSR. Staff responded that data

providers would benefit by exposing their metadata to a larger group of users. Jane Fry gave the example of ODYSSEY in Canada which harvests ICPSR metadata to include in their discovery.

Ron Nakao pointed out the incredible value to be had in increasing ICPSR's reputation as the one place to come to search for data. There is also a challenge in ensuring that there is time available to actively identify and seek out metadata from other data collections and repositories. There is also a challenge of how to deal with all the different taxonomies across disciplines; ICPSR can help to figure this out. Maggie cautions that the shift in considering external metadata is not an announcement that we are going to ingest all metadata/data; it is a clarification of what is in and out of scope.

Discussion emphasized the value of including international sources of data. CESSDA was mentioned as an especially good source of data given it aggregates from many countries and is based on DDI.

II. Report on 2017 ICPSR Summer Program Outreach for Acquisitions

Acquisitions and ICPSR staff conducted outreach to the ICPSR Summer Program, setting up a booth at registration and attending social events and lectures.

Jane Fry pointed out that the value of sharing information at the summer course may take a long time to reap benefits, but it is worth it because it will be important to most careers in the future. Research Data Management (RDM) materials and messaging would be valued.

Verna Keith suggested we reach out to the Summer Program participants who have NSF (and NIH) funding. Maggie suggested acquisitions questions on Summer Program application about funding and data used in the past (e.g., what datasets are you working with? Do you have funding from NSF, NIH, etc.? Good timing as we are rebuilding the Summer Program portal.

Ron Nakao viewed this as valuable work and a pilot for future work and wanted to see more emphasis on metrics (# reached; # leads; # datasets deposited).

Jane Fry asked that ICPSR consider expanding RDM messaging -- maybe through email; social media and so on. Ron Nakao emphasized the value of getting to researchers planning data collections. Maggie Levenstein asked what the opportunity would be for influencing academic departments to use ICPSR's summer program for required RDM classes for doctoral students. Jane suggested targeting the Office of the Vice President for Research, colleges of liberal arts and sciences. Ron Nakao suggested that this is worth expanding and building up RDM training in the Summer Program. Jukka Savolainen suggested we offer a preview/teaser webinar that encourages participation in the fuller Summer Program workshop. We discussed the potential value of Scott Long's RDM workshop that could be featured in the Summer Program.

III. Acquisition Reports from General and Topical Archives

Ron Nakao asked for Libby Hemphill to discuss RCMD's strategies. Libby discussed her two-year plan and asked for Council feedback. Libby asked how to address community concerns about the risks of sharing data (more than individual risk, but group harm). Peter Granda suggested RCMD feature user stories about RCMD data, noting lessons learned from the Fenway project. Verna Keith suggested that we be clear that there are inherent risks to sharing data, but there is value in doing so and that there are ethical principles (and actors) that are influencing the sharing of data. Susan Jekielek mentioned a data collection where the representatives of study participants can comment on research results before they are disseminated and suggested the development of resources that can complement the data and build the research community. Jukka Savolainen mentioned a new project to add gun violence data to NACJD.

IV. Update on New Collection Development Projects (starting and proposed)

Annie E. Casey Foundation has awarded ICPSR funding to expand the DataLumos repository where "at risk" government data are being preserved. The funding is to conduct outreach to identify and add government data to DataLumos. Ron Nakao asked whether DataLumos has plans to take stock of its results to date and evaluate its progress. Justin Noble described ongoing efforts to understand resources spent and highlight new funding opportunities (such as Annie E. Casey) that have resulted.

Amy Pienta reported that the National Human Genome Research Institute funded project in which ICPSR is a partner is creating a tool to anonymize qualitative data that might be useful to ICPSR. Amy Pienta mentioned that she is interested in Council's help in identifying PIs of NIH-funded qualitative data collections who might want to archive data (with some funding support that would be available).

Peter Granda mentioned that Army STARRS as a project that showcases collaboration between ICPSR and SRC/SRO. There are plans to pursue future funding. Council endorsed the merits of this kind of collaboration.

Membership Services Committee

Council members: Robert Chen, Lisa Cook, Michael Jones-Correa, Colin Elman, Jane Fry, Philip Jefferson (Chair), Verna Keith, Chandra Muller, and Ron Nakao

ICPSR Staff: Trent Alexander, JD Alford, Rita Bantom, Johanna Bleckman, Linda Detterman, Maggie Levenstein, Dory Knight-Ingram, Sandra Schneider, and Diane Winter

IV. Bylaws Update: Membership Classification Section

At the June 2017 Council meeting, Council requested that the Bylaws Article I. 1. A. be updated such that new variations on the use of the Carnegie Classification of Institutions of Higher

Education be available to ICPSR for pricing without the need to update the Bylaws. **Council approved the Article I. Membership below by unanimous vote.**

Article I. Membership

1. Conditions of Membership

A. Educational institutions in the United States will be assigned to membership categories by ICPSR based on a widely accepted classification system of academic institutions, such as the Carnegie Classification of Institutions of Higher Education. ICPSR may refine the classification system as needed for the purposes of assigning annual membership fees. Members outside the United States will be classified according to their size. Federated and national memberships consist of a number of institutions that have joined together and pay for their membership jointly. Council shall review the classification system and the distribution of members within the classification system every six years.

V. Member Status Update

Marketing Director Linda Detterman gave an update on both Membership Services and Membership Outreach. Total membership continues to grow and currently stands at 763. The fiscal year began with ten new members and one drop. Linda showed the group a dashboard with statistics on the membership and a wide variety of outreach activities the staff has engaged in to keep ICPSR connected to the membership.

Membership revenues collected as of 10/10/2017 are \$3,441,400 representing about 83% of revenues billed. Collections are running similar to previous years.

Maggie Levenstein encouraged Council members to review the list of dropped members and to contact faculty they knew at those institutions to encourage these institutions to rejoin.

VI. Membership Outreach Activities

ICPSR has continued membership and data community outreach via webinars, conference exhibits and presentations, and active social media efforts.

Lynnette Hoelter and Linda Detterman conducted a full-day workshop in New England, hosted by UMASS, Lowell. In addition to representatives from UMASS, Lowell, representatives from the University of New Hampshire, University of Vermont, and Merrimack College were present for the workshop. ICPSR staff believes that regional workshops should continue targeting regional areas where data utilization and Summer Program attendance could be improved.

Detterman noted that ICPSR Staff have been intensively preparing for the Consortium's most significant outreach event, the Biennial ICPSR Meeting.

VII. Biennial ICPSR Meeting – Preview

Linda Detterman, Marketing Director provided an overview of the 2017 Biennial ICPSR Meeting. She noted that this is a major undertaking for the organization that starts about 18 months prior to the meeting date. She referenced the program and provided the statistics below. She also provided kudos to Shelly Petrisko and Michelle Overholser who manage not only the OR meeting, but also Council nominations and selections, the Awards nominations and selections, and have already reserved space for the OR meeting on October 16-18, 2019.

Thanks also to Bobray Bordelon, Ron Nakao, and Jane Fry for leading our OR/DR Boot Camp, and to the many ICPSR Staff who put together the program.

OR/DR - 104

Institutions represented – 90

Staff participation – 48

Total attendees - 171

Preservation and Access Committee

Council members: Robert Chen (Chair), Chandra Muller

ICPSR Staff: Dharma Akmon, Trent Alexander, Shuming Bao, Linda Detterman, Sanda Ionescu, Kathryn Lavender, Jared Lyle, Tom Murphy, Asmat Noori, Mike Shove, Harsha Ummerpillai,, and Vanessa Unkeless-Perez

I. Major Projects Related to Metadata and Data Stewardship

Jared Lyle gave an update on major metadata and data stewardship projects ICPSR has been working on over the past year, including: Biomedical and healthCARE Data Discovery Index Ecosystem (BioCADDIE) project, Continuous Capture of Metadata (C2Metadata) project, Exploring a Method for Finding and Identifying Health Data in Domain Repository project, Data Linkage Repository, Comprehensive Extensible Data Documentation and Access Repository (CED2AR) project, Census portal, U.S. Department of Transportation, World Bank, and Data Curation Training.

Council asked about how ICPSR is educating others about this rich and diverse set of activities, especially for communities that are not familiar with ICPSR (such as high schools and new members). ICPSR has already embedded information learned through the projects in guidance documents produced, although it was acknowledged that more outreach should be done, including Webinars.

Council asked about the variety of agencies ICPSR is working with and how to reach out across agency silos as opposed to working within each one. They noted the strategic role of ICPSR to assist agencies in stewarding and disseminating data, including outside their own agencies.

II. DDI Roadmap for ICPSR

Jared reviewed DDI, the metadata standard ICPSR uses to describe its collections. ICPSR has invested heavily in DDI. The DDI secretariat is hosted at ICPSR, Maggie Levenstein serves on the Executive Board, and Jared Lyle serves as the Executive Director. ICPSR's own workflows leverage DDI extensively, including serving as the basis for ingesting, editing, and disseminating study-level metadata, as well as describing and searching for collections at the variable level.

With Archonnex development progressing into the curation phase, we are reevaluating ICPSR's own needs and desires for leveraging DDI. In particular, we are noting current limitations, as well as new developments within the DDI metadata standard. Ideas for updating ICPSR's DDI usage include:

- Deposit – Allow users to upload DDI files to auto-populate the online deposit form, which is used to generate the final catalog records.
- Curation – Use native DDI files to populate variable-level metadata, including making better use of capabilities of the newest versions of DDI (DDI Lifecycle 3.2) such as question flow, concepts, universe, and derivation.
- Dissemination – Create and/or license new tools for discovery and analysis that leverage the rich variable-level DDI metadata.

Council asked about the level of effort required to move to DDI 3, including the IT capabilities, especially hardware. Tom Murphy indicated that our current hardware is sufficient to handle our current processes. However, if we move into new areas, such as medical research, we may need to make more investments. It was also noted that if ICPSR is to take advantage of newer DDI functionality, it would require not only a change in technology, but also a change in processing standards.

The discussion moved into the idea of crowdsourcing to update metadata. There was concern about willingness to contribute to crowdsourcing. Council suggested targeting crowdsourcing at specific groups, such as graduate students who could contribute as part of their coursework.

III. Policy for Including External Metadata in ICPSR Catalog

Jared discussed the desire of ICPSR to be the place to find data, as well as to compare alternative data sources. To do this, ICPSR needs to expand its catalog to include metadata for data collections disseminated elsewhere that have demonstrated importance to the social and behavioral science community and that cannot be or have not been archived at ICPSR. The committee discussed a proposed amendment to the ICPSR Collection Development Policy that will govern which external catalog records are harvested and displayed.

Council discussed whether pulling metadata into the ICPSR catalog is the best approach, or if a distributed search that queried other collections is better. Tom Murphy suggested it may need to be a combination of both based on the maturity and stability of the external data holders. Council would like to see a focus on records that may not be easily discoverable elsewhere, as opposed to trusted partners that are already good at making their data discoverable. Council

suggested this collection of external metadata might be a benefit to members who are starting to create their own institutional repositories.

IV. Archonnex Update

Tom Murphy provided an update on Archonnex Development. ICPSR is currently in an alpha release, with an external beta release scheduled for November. Early December will be a production release of the new Dissemination system. A product roadmap for Archonnex has been developed with ongoing tweaks, and currently extends three years. We expect the foundational Archonnex system (Deposit, Curation, and Dissemination) to be completed by mid-2018, with continual enhancements and additions after that.

Linda Detterman shared feedback received on the new Deposit system. Outreach on the Dissemination system begins with the presentation at the ICPSR biennial meeting. Dharma Akmon has been leading efforts to document the current Curation process in order to determine best practices and create a new common system that can be implemented in Archonnex.

Summary

Chandra Muller commented that she is impressed with the amount of progress that has been made on all fronts.

Summer Program Committee

Council members: Colin Elman (chair) and Philip Jefferson

Staff members: Dieter Burrell, Edward Czilli, Scott Campbell, Stephanie Carpenter, and Sandra Schneider

I. Overview of the 2017 ICPSR Summer Program

Sandy Schneider discussed the highlights of the 2017 Program. The Summer Program had a comparable number of workshops and classes in 2017 compared to previous years. There were 84 workshops and lectures in the four-week sessions. There were 25 lectures in the Blalock Series. The Blalock lectures were very popular this year. We had good attendance at the lectures, which is noteworthy, since the Blalock Lectures are held in the evening after a full day of classes. Over the past couple of years, Sandy has spent a lot of energy promoting the diversity series in the Blalock Lectures. She invited presenters to talk about measurement issues, among other things. The Summer Program also benefitted this year from having Gary King (Harvard/IQSS) lecture on a special topic; this lecture was very well attended.

The number of Summer Program instructional staff in 2017 was comparable to previous years. We had 127 instructors and 45 teaching assistants. These individuals came from all over the US and beyond, increasing the diversity of the Program.

There were 974 participants in the 2017 Program.

In previous years, the Summer Program had seen a decline in the four-week enrollments, which has been a continuing worry. This year, the four-week session enrollments were up a bit.

Colin Elman inquired about the transparency and reproducibility offerings this year. Sandy said that William Jacoby and Arthur Lupia offered Blalock Lectures on these topics during both four-week sessions. An additional couple of other lecturers offered Blalock talks, but their talks were less well received, and Sandy is reconsidering how/if she would offer a similar lecture next year. The Summer Program also offered Scott Long's short workshop on reproducibility methods.

II. Update on Summer Program Scholarships

Sandy Schneider spoke about the scholarships offered in the 2017 program. The Summer Program received a record-setting 217 scholarship applications this year. Sandy said that the scholarship review process was daunting, given that only she and another reviewer were on the review committee. In addition to ICPSR scholarships, Rackham and EITM offered scholarships for participants. The Heitowit Scholarship was offered for the first time this year. The Heitowit scholarship has now been fully funded to provide a scholarship for one participant for 2018.

Sandy Schneider said that, with scholarships, the Summer Program was able to pull in a wide range of participants who represented diverse backgrounds, ethnicities, and disciplines. Many scholarships were offered to females, African Americans, and Hispanics. The scholarships help to increase the diversity of the Program.

Video Initiatives

Scott Campbell talked about recording many of the Blalock Lectures this past summer. All of the recorded lectures have been uploaded to YouTube. One of the most popular videos was the Blalock Lecture offered by William Jacoby and Arthur Lupia on data transparency and reproducibility. Scott showed the committee members three videos:

- Recap of the 2017 four-week sessions
- Interviews featuring 2017 scholarship recipients
- Announcement of the Heitowit Award

Colin Elman asked if we did all the production in-house. Scott said yes, we shot all the footage, and he edited the videos. Scott mentioned future projects, including new course description videos, more participant profiles, a documentary of a day-in-the-life of two participants, as well as videos that appeal to past participants.

Communications and Social Media

Stephanie Carpenter presented on the social, digital, and communications aspects of the Program. The Summer Program started two communications initiatives within the past couple of months: Summer Program in Review, an email full of photos, videos, and participant tweets, giving a look back at the four-week sessions, and an e-newsletter, Summer Program Impact,

which was sent to past participants, instructors, teaching assistants, and friends of the Summer Program. The inaugural edition of Summer Program Impact included an interview, a video of participant profiles, and a story about two 2017 Summer Program teaching assistants. The purpose of both Summer Program in Review and Summer Program Impact is to keep past participants and others engaged with the Summer Program after they have left and strengthen the Summer Program community.

Stephanie Carpenter talked about website activity. Most users to our website come via search engines (about 57%). About 2.5% of Summer Program website visitors come through social media. About 30% come through direct sources (bookmarked page, or they typed the URL directly into their browser), and about 8% come through referring websites such as stata.com, umich.edu, and the ISR and ICPSR websites.

Stephanie mentioned that the Summer Program has about 4,000 followers through its social platforms (Twitter, Facebook, and YouTube).

Colin Elman asked about how we come up with ideas for videos, if we had ideas and made the content fit the idea, or if we looked through the footage and came up with the idea based on what we have. Scott responded that it was primarily the former.

Colin Elman asked how much info we had about who was viewing our videos, if we were able to follow up with recipients. Stephanie responded that through MailChimp, we were able to see who was opening the emails, who was clicking on links, and who was forwarding the email. The Summer Program also has follower statistics through Twitter, Facebook, and YouTube.

Colin Elman asked how much resistance we encountered in the classroom (by instructors and participants) when taking videos and photos, and if these activities were thought to be a distraction. Scott Campbell mentioned that generally we do not have any issues when digitally recording the classes. Scott said that he emailed Blalock Lecturers beforehand to see if they wanted to be filmed. Stephanie mentioned that we contact instructors prior to stopping by their courses to ask for permission to take photos.

Finances and Budget

Sandy Schneider said that revenues were comparable to previous years, but slightly down from last year, by about \$30K. The Summer Program did not use Newberry this year, which saved about \$70K. This past summer all of the instructional offices were located in the Perry Building. The location (farther away from central campus than Newberry) meant we saw less traffic than previous years.

Fillippo Stargell was in charge of the temporary staff. He reduced the staff by four people this year, which saved roughly \$14K.

Sponsored Workshops

Dieter Burrell spoke about sponsored workshops. This year the Summer Program offered the SIPP workshop in DC for the first time. The Summer Program had eight sponsored workshops this summer; a sponsored workshop means a group outside of the Summer Program pays for the costs of the workshop. Five of the sponsored workshops were hosted by ICPSR archives or projects. One workshop could not generate enough applications, so it was cancelled and made into a webinar.

Dieter Burrell mentioned that sponsored workshops are substantially more time-consuming to plan and host than fee-generating statistical workshops. He also mentioned that there are payment difficulties with some of the sponsors, who are unable to pay for all aspects of a workshop, (e.g., hosting expenses). The benefits of sponsored workshops include reach to non-traditional and diverse audiences.

Sandy Schneider said that participants in sponsored workshops tend to come from outside of academia. The DC workshop was an example of a workshop that attracts people from a variety of backgrounds.

Philip Jefferson asked about why we differentiate sponsored workshops from others. Sandy Schneider explained that different grants and sponsors pay for the workshops. Sandy Schneider said that there is a trade-off for sponsored workshops; when the Summer Program offers a sponsored workshop, it means it cannot offer a revenue-generating statistical workshop in its place.

Colin Elman mentioned that last year we had discussed using the Summer Program as a way to highlight ICPSR, and asked if we got a chance to do that. Sandy said that we reached out to ICPSR and asked for their support. The Summer Program hosted a Blalock Lecture on the data offerings and benefits of ICPSR. The Summer Program also invited ICPSR staff to attend informal social events and speak with Summer Program participants. A couple of participants promised to deposit their data with ICPSR.

Computing

Edward Czilli talked about computing for the Summer Program and its participants. In previous years, the Summer Program has set up about 120 computers for participants, which incurred a significant expense. Since most participants bring their own computers, the Summer Program decided to do something different this year. Edward created a virtual desktop for participants and encouraged them to bring their own devices. The virtual pool allowed instructors to create “labs” anywhere. The Summer Program leveraged computing services on campus. The Summer Program did provide supplemental machines and a small lab environment for participants who didn't have their own computers. The Summer Program also provided free print services in the Perry Building. The Summer Program leveraged the campus Canvas course-management software and Google services. The Summer Program also reengineered technical support by creating a ticketing system for participants in need of assistance and a self-service website, both of which allowed the Summer Program to reduce staff services. The Summer Program

eliminated a sizable portion of our lab space this past summer. The lab went down to nine computers. Despite all these changes, it went well and people enjoyed the flexibility. The changes reduced costs and created an environment that was preferred by participants.

Philip Jefferson asked about the number of licenses we're able to offer for software. Edward responded that the Summer Program receives software (Stata, LISREL, M+, etc.) at no charge from many companies. The SP's overall cost for software licensing is no more than \$600.

Colin Elman said that it seemed counterintuitive that the Summer Program employed a bring-your-own-device model and was still able to cut down on staff assistance and costs. Edward explained that participants were going through their browser/virtual environment to install software. Edward explained that access to the software ends when the Summer Program is over. The Summer Program does not use a key server.

III. Update on Summer Program Diversity and Inclusiveness Efforts

Sandy Schneider spoke about the diversity of the 2017 Program. The diversity of the Summer Program continues to outpace other educational programs at ISR (Survey Research Center Summer Institute) and ISR as a whole.

Sandy Schneider said that ISR has received funding from the Provost's office for diversity initiatives, which will primarily be used for the Summer Program and the Survey Research Center's Summer Institute. The funds will be used to encourage current and potential Summer Program participants to attend our classes by allowing Summer Program staff to visit campuses and encourage promising undergraduates to attend the Summer Program. Sandy acknowledged that it has been difficult to encourage people from all over the United States to come to Ann Arbor for four or eight weeks.