2018

ORDA Weekly Update, 2018 11 05

Office of Research Development and Administration

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Office of Research Development and Administration

Events & Deadlines

November 5, 2018

Quantitative Researchers Mixer

Thursday, November 8, 2018; 4:00-6:00pm

Tower Inn, 701 West Cross Street, Ypsilanti

ORDA is hosting a networking happy-hour mixer for anyone interested in meeting other faculty involved in quantitative research. RSVP through Google Forms (link below) by November 5.

https://docs.google.com/forms/

Workshops

Introduction to R, Part 2

Tuesday, November 6

1:00-2:30pm ; 200 Boone Hall

R is a very popular computing and graphing tool for exploring data. It allows users to document their thoughts of the data analysis and make it easier to reproduce or update the analysis. R is free and can be downloaded on any operating system. This workshop will give a hands-on introduction to R. We'll work through a few examples that demonstrate the use of R for various types of data manipulation, graphical presentation and basic statistical analysis. Handouts will be provided. **Please bring your laptop** .

Introduction to SPSS, Part 2

Wednesday, November 7

1:00-2:30pm ; G07C Halle Library

This "hands-on" workshop is for participants who want to know how to create and use syntax files for SPSS for Windows. The SPSS II Workshop will cover selected advanced features and syntax files. Syntax files are text files that allow the user to run programs on a SPSS data file. The advantages of using syntax files rather than menu-driven systems will be discussed and demonstrated during the workshops.

Multiple Regression using SPSS

Tuesday, November 13

1:00-2:30pm ; G07C Halle Library

Multiple regression, a very popular statistical method, allows us predict the value of a variable based on the value of two or more other variables. This workshop will give a hands-on introduction on how to carry out multiple regression using SPSS, including interpreting the output.

Logistic Regression using SPSS

Wednesday, November 14

1:00-2:30pm ; G07C Halle Library

Logistic regression is a regression model used when the dependent variable is dichotomous. As a result, the interpretation of the results differs from those of multiple regression. This workshop will give a hands-on introduction on how to carry-out logistic regression using SPSS, as well as interpreting the results.

Deadlines

National Endowment for the Humanities, Media Projects

The Media Projects program supports documentary film, television, radio, and podcast projects that engage public audiences with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship in disciplines such as history, art history, film studies, literature, religious studies, philosophy, or anthropology. Projects must

also demonstrate an approach that is thoughtful, balanced, and analytical. The approach to the subject matter must go beyond the mere presentation of factual information to explore its larger significance and stimulate reflection. NEH is a national funding agency, so the projects that we support must demonstrate the potential to attract a broad general audience.

https://www.neh.gov/grants/public/media-projects-development-grants

Next Deadline: January 9, 2019

Health Resources and Services Administration, Autism Secondary Data Analysis Research Program

Notice seeking applications for efforts to improve the physical and behavioral health of children and adolescents with autism spectrum disorder (ASD) and other developmental disabilities (DD) by (1) reviewing and evaluating the effectiveness of ASD/DD interventions and (2) assessing disparities in access to ASD/DD screening, diagnosis and treatment through one year grants for secondary analyses of existing publicly available and accessible national datasets and/or administrative records.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=307943

Next Deadline: January 22, 2019

Food and Drug Administration, Broad Agency Announcement for the Advanced Research and Development of Regulatory Science

Notice supporting advanced research and development proposals to support regulatory science and innovation. Focus areas include: Modernize Toxicology to Enhance Product Safety; Stimulate Innovation in Clinical Evaluations and Personalized Medicine to Improve Product Development and Patient Outcomes; Support New Approaches to Improve Product Manufacturing and Quality; Ensure FDA Readiness to Evaluate Innovative Emerging Technologies; Harness Diverse Data through Information Sciences to Improve Health Outcomes; Implement a New Prevention-Focused Food Safety System to Protect Public Health; Facilitate Development of Medical Countermeasures to Protect Against Threats to U.S. and Global Health and Security; Strengthening Social and Behavioral Science at FDA by Enhancing Audience Understanding; and Strengthening the Global Product Safety Net.

https://www.fbo.gov/?s=opportunity

Next Deadline: Applications accepted at any time

Michigan Health Endowment Fund, Community Health Impact Grants

Michigan's neighborhoods, towns, and cities know what they need to improve the health of residents. Through the Community Health Impact program, the Health Fund supports local or regional organizations with bold ideas to address health challenges. While these grants are

typically responsive to local data or targeted work in Michigan communities, the projects often have the potential to expand or be replicated throughout the state. Proposals should address one of the following eight priority areas:

- Infant mortality
- Health services for foster and adopted children
- Wellness and fitness programs
- Access to healthy food
- Behavioral health services
- Technology enhancements
- Health-related transportation services
- Foodborne illness prevention

https://www.mihealthfund.org/grantmaking/community-health-impact/

Next Deadline: Optional Concept Papers, November 28, 2018 , Full Proposal, January 17, 2019

National Science Foundation, Enabling Access to Cloud Computing Resources for CISE Research and Education

Increasingly, data- and compute-intensive research and education efforts are benefiting from access to cloud computing platforms, which provide robust, agile, reliable, and scalable infrastructure. To better support this growing use of cloud computing resources, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) seeks to fund an entity that can serve as a principal interface between the CISE research and education community and public cloud computing providers. Through this solicitation, NSF will support an entity that will have multiple responsibilities, including: 1) establishing partnerships with the various public cloud computing providers; 2) assisting NSF in allocating cloud computing resources to qualifying CISE-funded projects; 3) managing cloud computing accounts and resources allocated to individual CISE projects; 4) providing user training and other support to CISE researchers and educators using cloud computing in their work; and 5) providing strategic technical guidance for CISE researchers and educators interested in using public cloud computing platforms.

https://www.nsf.gov/pubs/2019/nsf19510

Next Deadline: Preliminary Proposals (Required), December 20, 2018 ;

Full Proposal, February 19, 2019

Strategic Environmental Research and Development Program (SERDP) Core, Department of the Army, Broad Agency Announcement

The Department of Defense (DoD) Strategic Environmental Research and Development Program (SERDP) Office is interested in receiving pre-proposals for research focusing in the areas of Environmental Restoration, Munitions Response, Resource Conservation and Resiliency, and Weapons Systems and Platforms technologies.

Next Deadline: January 8, 2019

National Science Foundation/National Institutes of Health, Joint DMS/NLM Initiative on Generalizable Data Science Methods for Biomedical Research

The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation (NSF) and the National Library of Medicine (NLM) at the National Institutes of Health (NIH) plan to support the development of innovative and transformative mathematical and statistical approaches to address important data-driven biomedical and health challenges. The rationale for this interagency collaboration is that significant advances may be expected as the result of continued NSF investments in foundational research in mathematics and statistics as well as inter- and multi-disciplinary research and training at the intersection of the quantitative/computational sciences and domain sciences, while NIH benefits from the enhancement of biomedical data science with new approaches that strengthen the reproducibility of biomedical research and support open science.

https://www.nsf.gov/pubs/2019/nsf19500/nsf19500.htm

Next Deadline: January 16, 2019

Administration for Community Living, 2019 Evidence-Based Falls Prevention Program

The Administration on Aging (AoA) within the Administration for Community Living (ACL), U.S. Department of Health and Human Services (HHS) forecasts the possible availability of Fiscal Year (FY) 2019 funds to make three-year grants to approximately 10 entities to develop capacity, bring to scale, and sustain evidence-based falls prevention programs that will help to reduce the number of falls, fear of falling, and/or fall-related injuries in older adults. ACL aims to compete these 10 grants via two options (both with 36-month grant periods): (A) Sustainable Systems Grants: approximately six grants of $400,000 to $600,00 focused on developing integrated, sustainable systems for delivering falls prevention programs; (B) Capacity-Building Grants: approximately four grants of $50,000 to $150,000 to build capacity to introduce and deliver falls prevention programs within underserved areas and/or populations.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=309713

Next Deadline: January 29, 2019

National Science Foundation, Cybersecurity Innovation for Cyberinfrastructure

The objective of the Cybersecurity Innovation for Cyberinfrastructure (CICI) program is to develop, deploy and integrate security solutions that benefit the scientific community by ensuring the integrity, resilience and reliability of the end-to-end scientific workflow. CICI seeks three categories of projects:

1. **Secure Scientific Cyberinfrastructure (SSC):** These awards seek to secure the scientific workflow by encouraging novel and trustworthy architectural and design approaches, models and frameworks for the creation of a holistic, integrated security environment that spans the entire scientific CI ecosystem.
2. **Research Data Protection (RDP):** These awards provide solutions that both ensure the provenance of research data and reduce the complexity of protecting research data sets regardless of funding source.
3. **Cybersecurity Center of Excellence (CCoE):** This award seeks to provide the NSF community with a centralized resource of expertise and leadership in trustworthy cyberinfrastructure.

https://www.nsf.gov/pubs/2019/nsf19514/nsf19514.htm

Next Deadline: January 23, 2019

National Science Foundation, CISE Community Research Infrastructure

Notice seeking applications to research agendas in computer and information science and engineering that include user services and engagement needed to attract, nurture, and grow a robust research community that is actively involved in determining directions for the infrastructure as well as management of the infrastructure. The New award class includes Grand Ensemble, Medium Ensemble, and Planning awards.

https://www.nsf.gov/funding/

Next Deadline: Required Letters of Intent, January 8, 2019 ; Proposals February 20, 2019

Statistical Consultation

ORDA welcomes back Dr. Grigoris Argeros (Sociology Anthropology Criminology) and Dr. Kathy Chu (Mathematics) as Faculty Associates for research statistics. Consultation is available for faculty, as well as graduate students working with faculty on independent research projects and theses with the goal of publication of results.

Contact Orda_stats@emich.edu for more information or to schedule an appointment.

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