SBE Programs

Behavioral and Cognitive Sciences
- Archaeology
- Bio. Anthropology
- Cult. Anthropology
- Geo. & Spatial Sci.
- Social Psych.
- Cog. Neuroscience
- Develop. Sci.
- Sci. of Learning
- Linguistics

Social and Economic Sciences
- Economics
- Political Sci.
- Sociology
- Decision, Risk, & Mgmt. Sci.
- Law & Social Sci.
- Methodology, Measurement, and Statistics
- Sci. of Organizations
- Sci., Tech., & Society

Natl. Center for Science and Engineering Statistics
- Measuring
  - The Nation’s Investment in R&D
  - Educ. & Workforce Character. of Sci. and Eng.
- Developing Indicators of Nation’s Compet. & Innov. Cap.
- Supporting Rsrch. On S&T Enterprise

Office of Multidisciplinary Activities
- Research Exp. for Undergrad. Sites
- SBE Postdoc. Rsrch. Fellowships
- Science of Science and Innov. Policy
Methodology, Measurement, and Statistics (MMS) Program

• The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Directorate for Social, Behavioral, and Economic Sciences that supports the development of innovative analytical and statistical methods and models for those sciences.

• MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences.

• Funding Mechanisms:
  • Regular Research Proposals
  • Early Career Development (CAREER) proposals
  • Proposals for conferences, workshop, and community-development activities
  • Doctoral Dissertation Research Improvement (DDRI) proposals
Doctoral Dissertation Research Improvement Proposals

- Supported by MMS in an effort to improve the quality of doctoral dissertation research.
- Funds are to be used for expenses associated with the conduct of the research that normally are not underwritten by the home institution.
- The advisor serves as principal investigator; the student serves as co-principal investigator.
- It is expected that the intellectual input to the proposed research be predominantly that of the student.
- The maximum for a DDRI award from MMS is $18,000 (includes both direct and indirect costs).
Partnership with Federal Statistical Agencies

- As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data.

- Potential topics for consideration include:
  - Measurement issues
  - Questionnaire design
  - Survey Design and Technology
  - Analytical Issues (e.g., uses of administrative data or paradata)
  - Small Area Estimation
  - Data Improvement (e.g., disclosure limitation methods)
  - Data Dissemination and Visualization
For Additional Information

- **MMS Home Page**

- **MMS Solicitation**
  - NSF 19-575

- **MMS Program Officer**
  - Cheryl L. Eavey
  - 703-292-7269
  - ceavey@nsf.gov
NSF’s 10 Big Ideas | Research Ideas

Harnessing the Data Revolution

The Future of Work at the Human-Technology Frontier

Navigating the New Arctic

Understanding the Rules of Life: Predicting Phenotype

The Quantum Leap: Leading the Next Quantum Revolution

Windows on the Universe: The Era of Multi-messenger Astrophysics
**Harnessing the Data Revolution Vision**

HDR will enable new modes of data-driven discovery that will allow fundamental questions to be asked and answered at the frontiers of science and engineering.
**Harnessing the Data Revolution (HDR): Overview**

**Components of the HDR Vision**

- **Foundations of Data Science**
- **Education and Workforce Development**
- **Data-Intensive Science and Engineering**
  - Algorithms and Systems for Data Science
  - Data Cyberinfrastructure

**HDR Programmatic**

- **HDR Tripods** (FY19)
- **Data Science Corps** (FY19)
- **HDR Institutes**
  - Conceptualization (FY19)
    - Ideas Labs
    - Frameworks
  - Coordination (FY20)
  - Convergence (FY21)
HDR Institutes Roadmap

**CONCEPTUALIZATION**

- **AWARDS IN SEPTEMBER 2019**
- **NEW TEAMS FORMED VIA IDEAS LABS**

**FY20**

- **EXISTING TEAMS PURSUE FRAMEWORKS**
  - **AWARDS IN SEPTEMBER 2019**

**FY21**

- **OPEN COMPETITION FOR 4-5 INSTITUTES THAT BRING TOGETHER MULTIPLE SCIENCE AND ENGINEERING COMMUNITIES**

**ONE COORDINATION AWARD TO FACILITATE COMMUNICATION AND COORDINATION**