

Advancing the Federal Statistical Ecosystem TODAY!

A 'how-to' session for supporting the FSS

Thursday, October 26, 2023

Session H-5: Advancing the Federal Statistical Ecosystem TODAY!

Organizer: Jennifer Nielsen, National Center for Education Statistics

Chair: Jennifer Nielsen, National Center for Education Statistics



**Federal Committee on
Statistical Methodology**



FCSM: A brief overview of FCSM and ways you can get involved

Jennifer Nielsen, National Center for Education Statistics

Darius Singpurwalla, National Center for Science and Engineering Statistics

Ellen Galantucci, Federal Maritime Commission

Agenda:

- Welcome
- Mission of the FCSM
- Activities of the FCSM
- How to get involved with the FCSM



FCSM: A brief overview of FCSM and ways you can get involved

Jennifer Nielsen, National Center for Education Statistics

Mission of the FCSM

- Inform and advise OMB and the Interagency Council on Statistical Policy (ICSP) on methodological and statistical issues that affect the quality of federal data;
- Compile, assess, and disseminate information on statistical or survey methods and practices for federal statistical programs;
- Provide recommendations on issues of statistical methodology such as measurement, analysis, survey methods, survey errors, data collection methods and technologies, use of administrative and third-party data, record linkage, disclosure limitation, data visualization and dissemination of information that affect federal statistical programs and improve data quality, including transparency, timeliness, accuracy, relevance, utility, accessibility, and cost effectiveness;
- Provide a forum for statisticians in different federal agencies to discuss issues affecting federal statistical programs; and
- Promote and support cooperative research across agencies on issues relevant to federal statistical activities.



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Darius Singpurwalla, National Center for Science and Engineering Statistics

Activities of the FCSM

- Meets as a whole group at intervals and sites designated by the Chair(s).
- Establishes subcommittees to study particular issues, form temporary program committees, or sponsor ongoing interest groups focused on a particular statistical or methodological topic.
- Creates and disseminates reports, working papers, guidance, or recommendations through publication and through its website.
- Facilitates the dissemination of statistical and methodological research conducted or sponsored by federal agencies, federal interagency working groups, and other cross-agency bodies.
- Sponsors seminars, workshops, conferences, or other events.
- Arranges for projects to be jointly sponsored by the federal agencies and may participate in the administration of the projects.

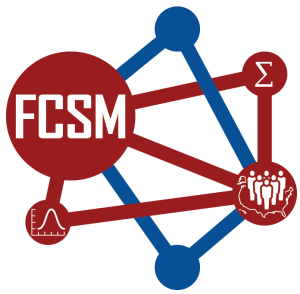


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Darius Singpurwalla, National Center for Science and Engineering Statistics

How to get involved with the FCSM

- FCSM Conference Planning Committee
 - The conference planning committee is involved in all facets of putting together the annual research and policy conference. The conference planning committee handles the logistics of the conference as well as building the conference program.
- Subcommittees
 - Subcommittees are established to explore some particular aspect of statistical methodology and produce a specific product within a set period of time. Products may include reports, working papers, guidance, or recommendations.
 - Data Quality Subcommittee
 - Federal Statistical System Research Subcommittee
 - Subcommittee on Updating Statistical Methods for Safeguarding Protected Data (Data Protection Toolkit; DPT)
 - Nonresponse Bias Working Group Subcommittee
 - Equity Toolkit Project
 - Building Trust and FAIRness into the Process for Finding and Using Government Data Project (Joint CDOC-FCSM committee)



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Ellen Galantucci, Federal Maritime Commission

How to get involved with the FCSM via Interest Groups

- Interest Group on Innovating Data Collection (Adaptive Design Interest Group)
 - Provides a vehicle to share information about the use of innovative data collection techniques, strategic data collection management efforts in Federal surveys, and other relevant topics. Examples of topics relevant to this interest group include adaptive or responsive survey design, survey paradata, interviewer monitoring, program evaluation, and participant recruiting options.
- Computational Statistics and the Production of Official Statistics Interest Group (CSPOS)
 - Focuses on sharing information on new and emerging computational statistics methods, sharing best practices for implementation and maintenance of statistical software, and training on emerging programming languages such as R and Python.
 - Manages the GASP! Conference
- Geospatial Interest Group
 - Facilitates information sharing on geospatial methodologies, classifications, standards, and criteria in the context of producing federal statistics.



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How to get involved with the FCSM via Interest Groups

- Measuring Sexual Orientation and Gender Identity (SOGI) Research Group
 - Explores the best practices of the measurement of SOGI in the context of Federal information collections. The Group provides ongoing opportunities for individuals interested in statistical methods or data quality related to SOGI to interact, exchange information, and explore issues related to this topic.
- Confidentiality and Data Access Committee (CDAC)
 - Focuses on issues related to statistical disclosure limitation (de-identification) and controlled access to confidential data.
- Metadata Interest Group
 - Being formed to build standards for the improvement of data catalogs that convey metadata about data inventory contents to help evaluate fitness for use.



CNSTAT: Helping Improve Federal Statistics, Methods, and Practices for Over 50 Years

Melissa Chiu, CNSTAT





COPAFS: Advancing and Promoting Understanding of Federal Statistics and Federal Statistical Agencies

Paul Schroeder, COPAFS





WSS: Live or work in the metropolitan Washington, DC area? Use statistical or data science methods or data? If the answers to these questions are "yes," join the Washington Statistical Society (WSS)

Erin Tanenbaum, NORC at the University of Chicago



ASA: Promoting the Practice and Profession of Statistics®

Steve Pierson, American Statistical Association



Discussion

