



NSF Funding Opportunities: Statistics, Data Science & AI

August 2, 2026

2026 JSM Boston Funding Opportunities Panel

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Directorate of Mathematical and Physical Sciences
National Science Foundation

Statistics Program

- Support research in statistical theory & methods, including research for applications to any domain of science and engineering
- [Statistics Program](#) (December 1-15, 2026)
- [Focused Research Groups in Math Sci.](#) (FRGMS, waiting)
- [Research Training Groups in Math Sci.](#) (RTG, waiting)
- Program Officers: John Kolassa, Taps Maiti, Jun Zhu, Yong Zeng



Programs of Special Interest to Students and Junior Faculty

- Faculty Early Career Development Program ([CAREER](#))
- Mathematical Sciences Postdoctoral Research Fellowships ([MSPRF](#))
- Graduate Research Fellowship Program ([GRFP](#))
- **NSF EPSCoR Graduate Fellowship Program** ([EGFP](#))
- **Statistics Program welcomes EPSCoR proposals**



MSPRF and EPSCoR GFP

- **MSPRF**: Supports postdoctoral fellows in pursuing research and training in mathematics and statistics, including their applications to other disciplines.
- Deadline: October 21, 2026
- **EGFP**: Supports institutions in **EPSCoR** jurisdictions by providing funding for graduate fellowships for ***new or continuing students*** who ***received*** the distinction of NSF Graduate Research Fellowship Program (GRFP) ***Honorable Mention*** within the last three years.



Mathematical Sciences Institutes-A Community Resource (www.mathinstitutes.org)

- Currently supports seven institutes
- **IMSI**: Institute for Mathematical and Statistical Innovation, University of Chicago.
 - IMSI: **Long Program**, Connectomics, Non-Euclidean Data Analysis for Brain Structure and Function, September 14 — December 11, 2026
 - IMSI: **Workshop**, Unpacking AI Weather Emulators, Sept 28 — Oct 2, 2026
 - IMSI: **Workshop**, Statistical Foundations of Generative Modeling - Theory, Evaluation, Applications, Oct 5-9, 2026



Interdisciplinary Programs (1)

- Continuing ones: [AMPS](#), [CDS&E](#), [CRCNS](#), [DMREF](#), [DMS/NIGMS](#) (9/1–18, 2026)
- Artificial Intelligence, Formal Methods, and Mathematical Reasoning ([AIMing](#))
- Mathematical Foundations of Artificial Intelligence ([MFAI](#), 10/9/26)
- Foundations for Digital Twins as Catalysts of Biomedical Technological Innovation ([FDT-BioTech](#), 5/4/26)



Interdisciplinary Programs (2)

- Collaborations in Artificial Intelligence and Geosciences ([CAIG](#))
- Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science ([SCH](#), waiting)
- Secure and Trustworthy Cyberspace ([SaTC](#), 9/28/26, 1/25/27)



Programs Supporting Statistics, Data Science, and AI



AI Datasets: Unlocking Dataset Value for AI-Enabled Scientific Discovery

advances scientific community datasets to enable scientific discovery and innovation using artificial intelligence (AI) and other methods.

- 1) Apply AI-based capabilities to feature extraction and metadata generation, and the integration of multiple datasets.**
- 2) Develop robust data pipelines necessary for automated analysis of existing datasets and similar use-cases by AI tools and systems.**
- 3) Augment and/or harmonize existing datasets to better enable use by AI data pipelines and automated analysis.**

NSF 26-512

Deadline November 04, 2026

aidatasets@nsf.gov



FAIROS: Findable Accessible Interoperable Reusable Open Science

funds sustainable open science and data management; advancing research, education, & cyberinfrastructure (CI); encouraging collaboration and reducing barriers to data sharing.

NSF 25-533

Deadline April 14, 2027

FAIROSQueries@nsf.gov

NAIRR Pilot provides computing, datasets, model/software/platform, educational/training, and collaboration resources to demonstrate the vision of **National Artificial Intelligence Research Resource**, a shared national research infrastructure for AI.

NAIRR_Pilot@nsf.gov



Broader Cyberinfrastructure Ecosystem Programs



CICI: Cybersecurity Innovation for CI funds efforts to develop, deploy, and integrate cybersecurity that benefits the broader scientific community by securing science data, computation, collaboration workflows, and infrastructure.

NSF 25-531

Deadline [January 20, 2027](#)

CyberTraining: Training-based Workforce Development for Advanced Cyberinfrastructure supports efforts to improve the adoption of CI resources by the research community and integrate core literacy, skills in advanced CI, and computational and data-driven methods into undergraduate and graduate education.

NSF 23-520

Deadline [January 21, 2027](#)



IDSS: Integrated Data Systems & Services supports the development, scaling and operation of national data and cyberinfrastructure systems and services that enable data- and AI-driven research and education across scientific disciplines.

NSF 26-509

Deadline [July 27, 2027](#)

idss@nsf.gov



CSSI: Cyberinfrastructure (CI) for Sustained Scientific Innovation Program funds software and data CI ecosystem that scales from individuals or small groups of researchers/innovators to large communities.

NSF 22-632

Deadline [Pending](#)

CSSIQueries@nsf.gov



Some Major Initiatives

- ▶ Artificial Intelligence
- ▶ Biotechnology
- ▶ Quantum Information Science
- ▶ Creating a STEM Workforce



Statement from NSF on advancing the Administration's AI priorities through the Genesis Mission (7/22/26)

- [Issuance of a Dear Colleague Letter](#) encouraging researchers to align proposals to existing NSF programs with the goals of the Genesis Mission, with a focus on AI for science to accelerate scientific discovery, including AI-enabled tools, autonomous research capabilities and AI-driven research approaches.
- [A \\$400 million investment over four years](#) to establish 20 Programmable Cloud Lab test bed nodes, creating a national network of AI-enabled autonomous laboratories in partnership with the Astera Institute.
- [Over \\$80 million for next-generation scientific data infrastructure](#) and [up to \\$100 million to develop AI-ready datasets](#) across science and engineering.



Final Remarks

- Check the published abstracts on the NSF website:
<http://www.nsf.gov/awardsearch>
- Volunteer as a reviewer! Email POs with a 2-pg CV.
- Subscribe to MPS Email Updates:
https://public.govdelivery.com/accounts/USNSF/subscriber/new?topic_id=USNSF_103

Thank you. Questions?

