

NEDBHub & NSDC Newsletter | May 2024

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**NORTHEAST
BIG DATA**
INNOVATION HUB



**National
Student
Data Corps**

Welcome, NEBDHub and NSDC Community Member! This month, we're closing out the the spring semester and heading into the summer break.

As we prepare for a change of pace this month, let's not forget to stay in touch with our professional communities. Students can build their network by joining the NEBDHub's Portfolio & Network Building Group. Faculty and data science practitioners can join the CIC Research Working Group to find colleagues in their area of academic interest.

Let's strengthen our data science networks in May!

NEBDHub and NSDC News & Events



2024 CIC Student Paper Challenge

The CIC invites students to participate in the 2024 CIC Student Paper Challenge and join the scientific research community. Submissions are due July 31st and should consider research that contributes to COVID recovery and scientific insights. Prizes will be offered to the top three papers in the graduate and undergraduate cohorts.

[Learn More →](#)

2024 NSDC Data Science Symposium

The NSDC DSS is a virtual forum for undergraduate, graduate, and recently-graduated students interested in data science to create and present their data science research projects, discover the best practices for academic research, connect with other learners, and expand their data science knowledge and community.

2024 NSDC DATA SCIENCE SYMPOSIUM

Create and
present a
data
science
research
project!





🚗 **Transportation Data Science Project**

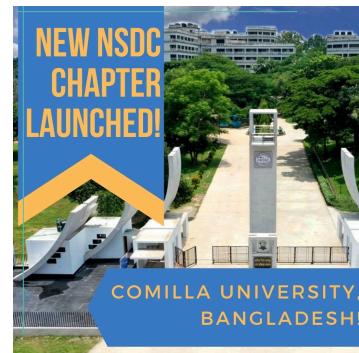
The U.S. DOT Federal Highway Authority and NEBDHub invite learners to use the NYC OpenData Motor Vehicle Collisions - Crashes dataset to develop data-driven insights to reduce road user fatalities. STEM professionals are encouraged to join as mentors.

[Learn more →](#)

人群图标 **New NSDC Chapter!**

The National Student Data Corps (NSDC) is excited to announce the launch of a new student chapter at Comilla University in Bangladesh. This chapter of the NSDC program was built with the aim of helping students who might not otherwise have access to data science education.

[Learn more →](#)



扩音器图标 **Community Spotlight**

👉 **Dr. David Bader** is a Distinguished Professor and a founder of the Department of Data Science in the Ying Wu College of Computing and Director of the Institute for Data Science at New Jersey Institute of Technology. He is also Chair of the NEBDHub Seed Fund Steering Committee. Earlier this year, David hosted a Masterclass with the NEBDHub. [Watch to learn about open-source frameworks for massive-scale graph analytics.](#)



学生图标 **For Data Science Learners**

Events and Resources from NEBDHub for students and educators.

The Hispanic Association of Colleges and Universities (HACU) is accepting applications from college students and recent graduates for the fall 2024 session of the HACU National Internship Program. Applications are due June 28th.

[Learn more →](#)

MORE RESOURCES

-  **Data Science Flashcards:** Learn about geospatial analysis with this [short-form video series from the National Student Data Corps](#).
 -  **2024 Student Research Symposium:** Watch [presentations from student data scientists!](#)
-

Interview & Career Prep

Question of the month:

Our May Interview Prep question is all about the data! How would you respond to the question: "How have you used Excel for data analysis in the past?" To brush up on your data analytics and Excel skills, try [this free online course from PwC](#).

For Researchers & Collaborators

Events and Resources from NEBDHub for researchers.

EVENT

-  **Cancer AI Conversations: Machine Learning in Cancer Care Delivery: Implementation and Sustainability**

Date: May 28th

Discover upcoming and past seminars and workshops organized by the National Cancer Institute on AI in cancer research.

[Learn more →](#)

MORE RESOURCES

-  **The 'Silent Pandemic':** Learn why [the WHO considers antimicrobial resistance](#) a top ten global public health threat.



Events & Opportunities from our Partners and Others

Projects, Papers, and other Opportunities in Data Science.

CONFERENCE

Evaluating the Science of Geospatial AI Conference

Dates: May 16th - 17th

This Harvard University Center for Geographic Analysis conference aims to bring together GIScientists with expertise and interests in AI, to examine the current conditions, opportunities, and connections between Artificial Intelligence and Geographic Information Science. Topics may include GeoAI, spatial data science, scripting and workflows, high-performance computing, replicability, predictive modeling, real-time analysis, and big data, among others.

[Learn more →](#)

GRANT FUNDING

Microsoft-Atlanta University Center Data Science Mini-Grant Program

The Atlanta University Center (AUC) Data Science Initiative is committed to supporting innovations in data science across Historically Black Colleges and Universities (HBCUs). With support from Microsoft, the Microsoft-AUC Data Science Mini-Grants Program seeks to promote research innovation at HBCUs that provides societal benefits or opportunities. Applications due May 30th.

[Learn more →](#)

GRANT FUNDING

Sony Women in Technology Award in collaboration with Nature

Women who are early career professionals in tech are invited to apply for the Sony Women in Technology Award. Sony will recognize three inspirational women in technology who are poised to redefine the future of their fields, positively impacting our society and the planet. Applications due May 31st.

[Learn more →](#)

RESIDENCY

HACU Leader-in-Residence Program

The Hispanic Association of Colleges and Universities (HACU) has announced applications are being accepted for the HACU Leader-in-Residence Program, a competitive eight-month program where 50 undergraduate students from HACU-member institutions across the U.S. and Puerto Rico receive leadership and career development training. Applications due June 21st.

SUMMER RESEARCH

FDA CDRH Summer 2024 Research Participation Program

The Oak Ridge Institute for Science and Education (ORISE) Research Participation Program at the U.S. Food and Drug Administration provides educational and training programs designed to provide students and recent graduates opportunities to participate in project-specific research and developmental activities at the Center for Devices and Radiological Health (CDRH). The mission of CDRH is to protect and promote public health. Applications due June 30th.

[Learn more →](#)

RESEARCH PRIZE

Science & SciLifeLab Prize for Young Scientists

In order to promote young scientists early in their careers, SciLifeLab and Science magazine/AAAS have joined forces in creating a global prize awarding the best PhD thesis work in life science. An essay based on the thesis is submitted to the editorial board of Science and four winners are selected each year. Winners will have their essay published by Science, receive up to \$30,000 and be invited to Sweden to receive an award. Applications due July 15th.

[Learn more →](#)

GRANT FUNDING

CustomGPT.ai Announces AI Research Grants for College Faculty

CustomGPT.ai will fund AI research grants for college and university members. Grantees will receive a CustomGPT.ai Premium License free for six months, providing access to advanced AI tools valued at approximately \$3,000. This package supports the creation of up to 100 custom chatbots, ensuring ample resources for impactful research and teaching projects.

[Learn more →](#)

WORKSHOP

Women in Data Science Worldwide Upskill Workshops

Dates: Weekly on Wednesdays

WiDS Upskill Workshops aim to inspire and educate data scientists and aspiring data scientists worldwide. Upskill Workshops are held monthly from January through November and are live, virtual events taught by WiDS instructors. WiDS Upskill Workshops are free and open to everyone. Available in English, Spanish, and Arabic.

[Learn more →](#)

The Office of the Director at the National Science Foundation (NSF) announces a nationwide search to fill the Science Advisor for Public Access position. The position coordinates agency responses to federal public access mandates, oversees development of the NSF Public Access Repository, coordinates with other agencies via involvement in the National Science and Technology Council and other cross-agency groups, and contributes to the NSF Knowledge Management activity.

[Learn more →](#)

[NEBDHub](#) and [NSDC](#) support data science learners, educators, and researchers from around the world, with a special focus on underserved institutions and students.

Read our monthly newsletter for the latest updates, news, events, and opportunities from the NEBDHub and the NSDC. These programs build and strengthen partnerships across industry, academia, nonprofits, and government to address societal and scientific challenges, spur economic development, and accelerate innovation in the big data ecosystem.

To suggest items for an upcoming newsletter, email us at contact@nebigdatahub.org.

Do you know someone who would enjoy our monthly newsletter? [Encourage your friends or colleagues to sign up!](#)

Thank you, and be well. — the Northeast Big Data Innovation Hub Team



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