

NSF Invites Public Participation Around the Future of Data Science Education



The National Science Foundation's Directorate for Education and Human Resources (EHR) invites you to participate in a town hall meeting to stimulate a national conversation on the topic of Data Science in Education. Each day, there is more accessible data than there was the day before, and a professional skillset is emerging to meet the needs of a dynamically growing industry. This town hall meeting will explore Data Science and its impact across all levels of education from K-12 through higher education, including community colleges, minority serving institutions, and graduate institutions. It is not intended to make recommendations to NSF.

EVENT: The National Science Foundation's Directorate for Education and Human Resources invites your participation in a town hall discussion of the emerging field of data science education. ([EHR Townhall - Data Science in Education | NSF - National Science Foundation](#)).

WHEN: October 8, 2021 10 AM – 3:45 PM Eastern Daylight Time

WHO SHOULD ATTEND: University and K-12 STEM education administrators, data science educators and practitioners, state and local government officials involved in STEM education administration, and representatives of informal STEM education organizations working on data science topics.

WHERE: The town hall will be conducted virtually via Zoom. To participate fully you will need to have the Zoom app installed on your device. You can download the latest version for free [here](#).

RSVP: Pre-registration is required for this event. Please pre-register [here](#). A Zoom meeting link and password will be sent to you after your registration is confirmed.

MEETING LOGISTICS CONTACT: Dr. Brian Zuckerman (bzuckerm@ida.org)

GUIDING QUESTIONS: As part of the town hall, NSF is dividing the discussion into four sessions, addressing questions such as:

- Session 1: Data Science research across disciplines and fields
 - What does “data science” mean in different disciplines and fields? Is “data science” different from existing disciplines (computing, statistics, math, etc.) and if so, how?
 - Is there a common core of learning outcomes (e.g., skills and/or competencies) related to “data science” that all Americans (regardless of education level) should know?
- Session 2: Ethical practices and approaches to Data Science
 - Are there identifiable and specific ethical principles associated with data science education that differ from typical research ethics training?
- Session 3: Teaching and Learning Data Science
 - How can the learning outcomes, skills and competencies discussed in Session 1 be incorporated into existing math/science/computer science curriculum frameworks at the K-12 level? How should teacher training and professional development shift to prepare teachers to teach these skills and competencies?
- Session 4: Justice, Equity, Diversity, and Inclusion in a ‘Data Science for All’ movement
 - Are there particular communities (gender/race/ethnicity, geography/SES) or classes of institutions (e.g., MSIs) where gaps in skills and competencies might pose concerns, and how might those concerns be overcome?

AGENDA: After introductory remarks, there will be an open forum for participants.

LOGISTICS: The IDA Science and Technology Policy Institute will be facilitating the meeting on NSF's behalf. The meeting will be recorded. Participation in this session implies consent for NSF to capture your name, voice, and likeness, and anything you say may be recorded and transcribed for NSF use. Moderators will manage participation and remove disruptive participants if necessary. Participants will be afforded the option to provide short (1-2 page) written comments to complement their meeting participation.

For more details regarding the town hall, please contact Michael Davis (mdavis@nsf.gov) or Finbarr Sloane (fsloane@nsf.gov)