National Assessment of Educational Progress (NAEP)
2024 Data Training Workshop

Overview of NAEP

Develop a high-level understanding of assessment cycles in general and important aspects of assessment cycles specific to NAEP.

Item Development, Survey Development, and Test Assembly

Develop a high-level understanding of the test development cycle: framework, instrument development, piloting, scoring, assembly (including spiraling), and complex sample design.

NAEP Administration and Analysis: Sampling and Weighting

Develop a high-level understanding of complex sample design and weighting, as well as their implications for data analysis.

NAEP Psychometric Model and Analysis

Develop a high-level understanding of the NAEP psychometric model, including why NAEP uses plausible values and how to estimate standard errors appropriately.

Reporting and Interpreting NAEP data

Learn ways to appropriately use and interpret NAEP results.

Hands-on Training With the NAEP Data Explorer (NDE), the NAEP Questionnaire Tool, and Other NAEP Data Tools

Develop a basic understanding of how NAEP data tools work, including NDE.

Introduction to COVID Data: Data Creation and Structure

Learn about how the Monthly School Survey (MSS) Linking Study and COVID Data Hub data files were created, including where and how the data was collected, variables available, limitations in the data, and implications for analysis.

Intro to R EdSurvey™ Package Functionality and Hands-on Practice Using NAEP Data for Data Analysis

Gain knowledge of EdSurvey™ and its functionality.

- Why R and Why EdSurvey™
- Data processing
- Knowing your data
- Data manipulation: getData
- Achievement levels
- Percentile analysis
- Linear regression
- Logistic regression
- Latent regression
- Gap analysis
- Short practice analysis based on a guided task in EdSurvey™

Prepare Presentations: Do Your Own Analysis

Get hands-on practice with EdSurvey™ by doing your own analyses using NAEP data or MSS Linking Study data.

Selected Presentations From Participants and Group Discussion on Their Experiences, Challenges, and Success Stories Practicing with NAEP Data

Clarify, share, and provide feedback.

How to Get NAEP Restricted-Use Data; NAEP Funding Streams and Opportunities

Learn about opportunities and knowledge of how to access them.

Challenges and Opportunities in NAEP Components That NCES Has Identified as Needing Innovative Research and Applications

Gain knowledge about areas that NCES has identified for innovation.