

# entry points

Pathways and Possibilities to Support Student Learning about Data and AI

WEBINAR SERIES—EVENT #3 | NATIONAL FRAMEWORKS & RECOMMENDATIONS

## NATIONAL ACADEMIES COMPETENCIES

The National Academies (NASEM) identify the foundational competencies K-12 students need in data science, AI, and computer science—spanning basic literacy, ethical reasoning, and career readiness. Their consensus study and newly-released report examines learning progressions, equitable opportunities, and what schools must do now and long-term to prepare all students.

**NICHOLAS HORTON**

Chair, NASEM Committee



**SHAUNDRA "SHANI B" DAILY**

Member, NASEM Committee



**ZAREK DROZDA**

Executive Director, Data Science 4 Everyone



**KATE MILLER**

Research Associate,  
Concord Consortium



## DATA SCIENCE LEARNING PROGRESSIONS

Developed with 14 major national education associations, the K-12 Data Literacy and Data Science Learning Progressions give educators a flexible, grade-by-grade framework—spanning dispositions, data creation, analysis, interpretation, and communication—to weave data science into everyday K-12 learning and prepare all students for a data-driven world.

## ASA'S 2025 GAISE COLLEGE REVISIONS

The 2025 revision of the ASA's GAISE College Report updates national guidelines for teaching introductory statistics and, for the first time, introductory data science. Its ten recommendations emphasize real-world data, multivariable thinking, ethical practice, evidence-based pedagogy, and computing tools to equip all college students for the future.

**JAMIE PERRETT**

Co-Chair, College GAISE Revision



**PATTI FRAZER LOCK**

Co-Chair, College GAISE Revision



**APR 28**

5:30 - 7 PM ET

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**TENNESSEE**  
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COLLEGE OF EDUCATION,  
HEALTH & HUMAN SCIENCES