

HANDS-ON MINDS-ON INDUSTRIAL PRACTICES

Name of Submitter: Lacey Brown

Submitter Email: lrbrown4@ncsu.edu

Presentation Title: Real Teaching with Real Data

Data science skills are important for students preparing to enter the workforce. This presentation will highlight outcomes from a year-long program, Real Teaching with Real Data, where 11 teachers from multiple disciplines and schools used environmental health science research to authentically engage their students in the principles and practices of data science. Using a “Train the Trainer” model, teachers were introduced to datasets from current N.C. State research, low-cost data analysis and management tools, and new approaches to data visualization. With these resources, participating teachers developed multi-disciplinary, standards-aligned and data-science focused lessons using locally relevant research data.

Presentation Target:

High School

Presenter(s):

1. Taryn Shelton, K-12 Data Science Program Coordinator, The Science House