HANDS-ON MINDS-ON INDUSTRIAL PRACTICES

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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. Lacey Brown, Community Engagement Specialist, North Carolina State University

2. Katy May, Director: Community Engagement Core, North Carolina State University