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STEM LEARNING AND RESEARCH CENTER

Poster Session
November 1 - 3, 2022

Covid-Inspired Data Science Education through Epidemiology

The ongoing COVID-19 pandemic provides a starting point for empowering young people to understand uses of data science through epidemiology. Through this program, 650 plus underserved youth nationwide have engaged in a 20-hour out-of-school multimedia "Data Detectives Clubs" centered on a project-developed adventure novel, *The Case of the COVID Crisis*, which is integrated with data activities, modeling, animations, and career exploration. Participants: 1) Learn to use data tools and models to track the spread of infectious diseases; 2) Develop an understanding of how to ask and address their own questions of data; and 3) Gain confidence in their ability to use data to study and communicate to local audiences about epidemiological challenges. The program is also aimed at encouraging youth's interest in the myriad careers of the data-rich discipline of epidemiology. The project is achieving these goals through a multifaceted partnership involving Science Education Solutions, Tumblehome Books, Imagine Science/STEM Next, Concord Consortium, Jackson Laboratory (JAX), Strategic Learning Partners for Innovation, and the PEAR Institute (Partnerships in Education and Resilience).

01:56

ADDITIONAL MEDIA:

CIDSEE poster (spring 2022)

Project Details

COVID-Inspired Data Science Education through Epidemiology

AWARD NUMBER:

2048463

PROJECT STATUS:

Expired or Inactive

PRINCIPAL INVESTIGATOR(S):

Janice Mokros

Poster Materials

NSF ONE PAGER:

CIDSEE ITEST PI Meeting 2022 one-pager

NSF AWARD ABSTRACT:

https://www.nsf.gov/awardsearch/showAward?AWD_ID=2048463&HistoricalAwards=false

AGE GROUP:

Middle School

PROJECT STAGE:

Year 2

PROJECT TYPE:

Developing and Testing Innovations (DTI)

DISCIPLINE(S):

Data Science
Interdisciplinary
Other

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