

Central Coast Data Science Partnership: Training a New Generation of Data Scientists

Wednesday 26 October 2022 16:30 (1 hour)

Our collaborative program establishes pathways for data science training through coursework and real-world projects, connecting three main public higher education institutions in California. Students learn the underlying principles of data science, including data-generating processes and the role of measurement, ethics and privacy, information-processing tools for harnessing the power of big data, and the oral and written communication skills necessary for pursuing effective professional careers in the field. Training culminates in a year-long capstone course synthesizing and applying previously learned tools and techniques in a large-scale project sponsored by a company or academic lab. To date, at the three institutions our project has supported 80 distinguished Data Science Fellows, including 12 UR and 18 Hispanic students. The project has also led to the development of several new data science courses at each of the institutions. These new data science courses at UCSB have served more than 1,000 students in their first two years.

Research

Education and Outreach

Yes

Data & Cyberinfrastructure

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