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### CIFAL Honolulu-Supporting Pacific Island Computing Excellence (SPICE)

#### People

Deadline: 15 May 2024

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Type:	Workshop
Location:	Honolulu, Hawaii, United States of America
Date:	3 Jun 2024 to 1 Jul 2024
Duration:	23 Days
Programme Area:	Decentralize Cooperation Programme
Website:	<a href="https://www.nsfspicealliance.org/spicesummer">https://www.nsfspicealliance.org/spicesummer</a>
Price:	\$0.00
Event Focal Point Email:	cifa@unitar.org
Partnership:	NSF All-SPICE Alliance , NSF All-SPICE Alliance , Chaminade University, Chaminade University

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#### BACKGROUND

SPICE is a one month Summer Data Science Research Immersion, serving students from Hawai`i, the continental US and the US-affiliated Pacific Region. Students are welcomed from a wide range both computational and non-computational majors. SPICE students code in R and Python, use NSF HPC

resources at TACC and via Jetstream, use science gateways and develop GitHub professional portfolios. SPICE participants represent the region's diversity, and include significant numbers of women and veterans. SPICE students work in thematic areas that are of central importance to the Hawaii-Pacific region including Climate Analytics, Health Inequity and the security/societal impacts of Misinformation/Disinformation. SPICE has a strong cultural component led by Kumu Kahoali'i Keahi and culminates in a ho'ike and showcase of student projects. Places in SPICE are sponsored by the Alliance, Hawaii EPSCoR, Pacific Intelligence Innovation Initiative, NIH AIM-AHEAD and the University of Hawaii Department of Quantitative Health Sciences. SPICE mentors include faculty, analysts, and peer mentors (usually SPICE alums) who are senior students or returning graduates.

## **LEARNING OBJECTIVES**

Data analysis, coding, research, presentation skills, etc

## **CONTENT AND STRUCTURE**

Identifying projects, problem to investigate, data sets, group members, begin cleaning and organizing datasets; Complete cleaning and organizing datasets, exploring and analyzing dataset; Finalize project, work on presentation, and practice presentation SPICE project.

## **METHODOLOGY**

Workshops, group work, coding practice

## **TARGETED AUDIENCE**

Undergraduate students from the Pacific