Students Engagement and Enrichment in Data Science (SEEDS)
Understanding Diverse Epistemologies
CENTER FOR BLACK STUDIES

COMPUTER SCIENCE
ANTHROPOLOGY
MOLECULAR-CELLULAR-DEVELOPMENTAL

INSTITUTIONAL RESEARCH
MARINE BIOLOGY
ENVIRONMENTAL SCIENCE
NEUROSCIENCE

31 MAJORS
LIBRARY
BIOLOGY
ENGINEERING
PSYCHOLOGY
ART
EDUCATION

242/50
SOCIOLOGY
STATISTICS/APPLIED
PROBABILTY
HOUSING
ADMISSIONS

SEEDS
Innovation through Diversity

Data Science

Living & Learning

- Convergence through multiple disciplines
- Living, learning & social development
- Development of common interest
- Increase diverse knowledge
- Connecting to real life issues
- Participatory design
FOUR PILLARS

LIVING AND LEARNING

PEDAGOGY/ANDRAGOGY

DATA CARPENTRY

SKILLS:
BASH
GIT
R
PYTHON
CENSUS

DIVERSE
EPISTEMOLOGIES
ONTOLOGIES
AXIOLOGY

RESEARCH
QUANTITATIVE
QUALITATIVE

FOUNDATION

EXPERTS
DIVERSE
DISCIPLINES
Multidisciplinary Mentors & Guides for SEEDS

• Sharon Tettegah, PhD. (co-director)
• Tim Sherwood, PhD. (co-director)
• Michelle Brown, PhD.
• Faithe Day, PhD.
• Miriam Burnett, MA

• Joseph Incandela, PHD.
• Spencer Lavere Smith, PhD.
• Paige Miller, PhD.
• Naomi Tague, PhD.
• Joaquin Noguera, PhD.
• Ambuj Singh, PhD.
BLACK RESEARCHERS ADVANCING INTELLIGENCE IN NEUROCOMPUTATION

https://blacksinneurocomp.com/
UC SANTA BARBARA

Neuro Computation

Black Researchers Advancing Intelligence in Neurocomputation (BRAIN)
Neurocomputation Mentors/Guides

Zanaib Bansfield
Graduate Student Researcher, UCSB
Department Of MCDB

Rachel Elizabeth Weissler, M.A.
PhD Candidate at University of Michigan and
Research Associate at University of Oregon

Bryon Johnson, M.A.
Graduate Student Researcher
Psychological & Brain Sciences, UCSB

Keith Doelling, Ph.D.
Postdoctoral Fellow at Institut Pasteur

Kimberly Nestor, B.A.
Research Technologist at Massachusetts General Hospital

Crystal Carr, Ph.D.
Visiting Assistant Professor of Psychology
Behavioral neuroscience, drugs of abuse, translational methods.
Why?
The importance & relevance of data science

- Increase demand of jobs
- Approximately 200k unfilled positions
- ~3 million annual openings expected in DSA in 2021
- Employers requested more positions in DSA compared any other skilled job
- High demand for professionals with analytical skills

- Domaine expertise
- More diverse populations and thinking needed to address underrepresentation
- Specific needs for deep knowledge in diverse epistemologies, ontologies and axiology
- Transdisciplinary mindset
Planting SEEDS @ UCSB

https://blacksinneurocom