



**Eastern Caribbean Center**

The Eastern Caribbean Center has over 40 years of experience in data collection, research methodology, and report development. We strive to provide strengths-focused, culturally responsive research and reporting. We are the official Census State Data Center for the USVI.

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**Dr. Marissa Johnson Rogers**

**Assistant Director**



**University of the Virgin Islands**

***mjohnso@uvi.edu***



# OUR TEAM MEMBERS



Marissa Johnson Rogers, Ph.D. +

- **Assistant Director**
- Specialization in program evaluation, project management, and empirical research methods



Ayishih Bellew, M.S. +

- **Statistician**
- Specialization in population statistics, psychometrics, and data science.



Deshona Williams Liburd Audain, Ph.D. +

- **Research Administrator**
- Specialization in health, biology, research ethics, and community Intervention design



Trevesia Queeley Richardson +

- **Research Specialist**
- Specialization in criminal justice and policy application. Extensive experience in data processing.



Shirnelle Louis, M.S. +

- **Research Analyst**
- Specialization in applied psychological analysis



Sheldon Henry +

- Student Researcher



# ABOUT OUR SERVICES



## **The Census/ VICS**

The ECC is the official Census State Data Center for the US Virgin Islands



## **External Research and Report Development**

Governmental research projects, SOSE, SAI, BER, etc...



## **Research and Data Training**

Training and support for University faculty and students in research methods, ethics, and data analysis



## **Program Evaluations**

External evaluations for funded research projects and governmental programs

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# DIVERSE METHODOLOGY

## Psychometrics/ RASCH

## Computer Assisted Telephone Interviewing

## Focus Groups

## Online/ Electronic Surveys

## Polling Surveys

## Population Analysis

## Market Research/ Feasibility Study

## Customer Satisfaction Surveys

## Culturally Responsive Methodologies







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# SAMPLE OF ONGOING PROJECTS



## **The VI CENSUS Center**

Providing ready access to USVI Housing and Demographic statistics



## **Virgin Islands Community Survey (VICS)**

An annual population and housing survey to supplement decennial Census data about the Territory.



## **Street Addressing Initiative (SAI)**

Producing a comprehensive street addressing system for the USVI.



## **Parental Satisfaction Survey for the State Office of Special Education (SOSE)**

Surveying the satisfaction of the parents of students who receive special education services in the territory.



## **AIM-AHEAD HUB (Morehouse Medical)**

A partnership to increase the capacity of UVI in the area of AI/ML and health disparities





# MEET OUR FACULTY & STAFF AFFILIATES



**VERLEEN  
MCSWEEN, PH.D.**

Research Training and Skill  
Development



CSM



**KENNY  
HENDRICKSON, PH.D.**

Housing Policy Research



CLASS



**SUZANNE  
MAGRAS, PH.D.**

Community-based Training  
& Workforce



UVI-CELL

# THE CURRENT WORK IN RESEARCH

Faculty Affiliate



**KENNY  
HENDRICKSON, PH.D.**

Housing Policy Research





**Presentation  
ALERT**

THE 47TH  
CARIBBEAN STUDIES  
ASSOCIATION CONFERENCE  
St.Croix, USVI/ June 5-9, 2023

**"Uncuffing the USVI Economic  
Landscape from the Colonial  
Understanding"**

*Dr. Lawanda Cummings, Dr. Marissa  
Johnson Rogers, Ayishih Bellew, Deshona  
Williams Audain Liburd, Trevesia Queeley-  
Richardson & Sheldon Henry*

 **ECC-UVI** **ECC-UVI** **ECC-UVI** **EASTERN CARIBBEAN  
CENTER-UVI**



## STUDENT SPOTLIGHT

### Sheldon I. Henry

Sheldon Henry is a starting second career after working in law enforcement. He is a Social Sciences undergraduate student at the Orville E. Kean Campus as of January 2023. He currently works with the ECC team as a student researcher with a focus on GIS and data transfer. His responsibilities within the ECC include training in the use of the Trimble 600 data collection devices, GIS data integrations, and data verification. He is excited about learning new skills and expanding his network through this work.



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# THE CURRENT WORK IN RESEARCH



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## **“ Uncuffing the USVI Economic Landscape from the Colonial Understanding ”**

*Dr. Lawanda Cummings, Dr. Marissa Johnson Rogers, Ayishih Bellew, Deshona Williams Audain Liburd, Trevesia Queeley-Richardson & Sheldon Henry*














# PERCEPTIONS OF PHYSICIANS TO UTILIZE AI/ML



# Special Education Services PARENT SATISFACTION SURVEY



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# THE CURRENT WORK IN TRAINING AND RESEARCH DEVELOPMENT

Faculty Affiliate



**VERLEEN  
MCSWEEN, PH.D.**

Research Training and Skill  
Development



## FALL 2024 Training

### TRAINING TOPIC

**Research Questions to Methodology**

**Introduction to Qualitative Methods**

**Scale and Interview Protocol  
Development**

### MONTH

**SEPTEMBER**

**OCTOBER**

**NOVEMBER**

Eastern Caribbean Center

**IN-PERSON  
CENSUS DATA  
LEARNING COURSE**


**AYISHIH BELLEW  
ECC STATISTICIAN**

Training to boost skills in accessing  
and using Census population data.

**THURSDAY 3/4/23**

- USING THE CENSUS  
PLATFORM
- CENSUS DATA ANALYTICS
- SECONDARY DATABASES  
FOR CRITICAL INSIGHTS  
FOR THE USVI

Www.ECC.uvi  
340.693.1020



United States  
Census  
Bureau

STX: J  
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Medical Simulation Center 13-D Innovation Center


**Coding the Future:  
Sparking Young Minds  
with AI/ML**

Dive into the fascinating world of artificial  
intelligence (AI) and machine learning (ML)  
with our interactive seminar designed  
especially for **high school** and **college** students.


**WE WILL**

- inspire curiosity and foster a  
deep understanding of these  
revolutionary technologies
- break down complex AI/ML  
concepts into engaging and  
digestible content,
- guide YOU through examples  
of how AI/ML is used in  
various industries,
- introduce YOU to the basics  
of coding





**MOREHOUSE  
SCHOOL OF MEDICINE** 

Southeast Regional Hub



<https://forms.gle/7fQet3rL33yBLK1P7>

ecc.uvi.edu   **University of the Virgin Islands**



**Eastern Caribbean Center**



# THE CURRENT WORK IN TRAINING AND RESEARCH DEVELOPMENT

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Introduction to Qualitative Methods

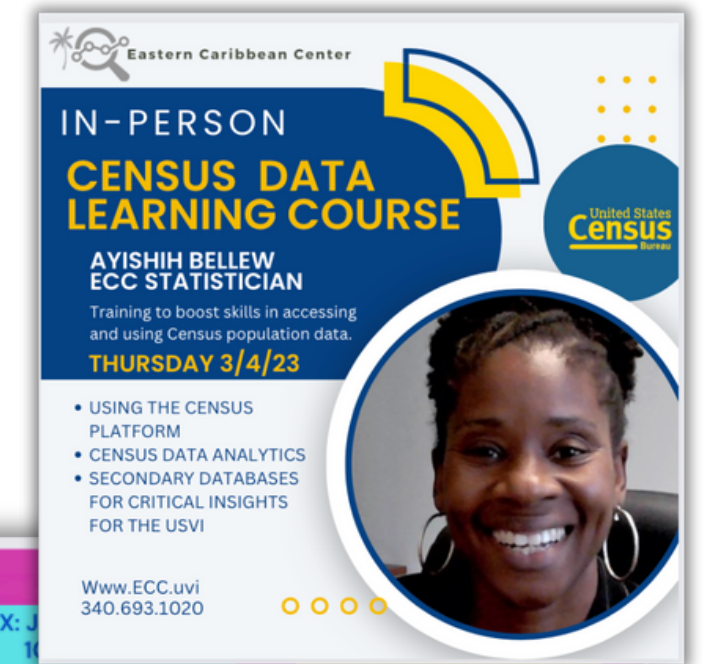
Scale and Interview Protocol  
Development

### MONTH

SEPTEMBER

OCTOBER

NOVEMBER



Eastern Caribbean Center

# THE CURRENT WORK IN TRAINING AND RESEARCH DEVELOPMENT

## Faculty Affiliate



**VERLEEN  
MCSWEEN, PH.D.**

Research Training and Skill  
Development



**REGISTER FOR COURSE MATERIALS ACCESS!!**

**SEPT**  
Research Question to Methodology  
Interactive training to help students and researchers think through research question development and match the appropriate methodology and analysis  
Dr. Lawanda Cummings & Ayishih Bellew

**OCT**  
Intro to Qualitative Methods  
Overview of 5 major qualitative research methodologies and the question type each answers. The analysis processes for data will be reviewed  
Dr. Marissa Johnson Rogers & Dr. Deshona Williams Liburd Audain

**NOV**  
Interview Protocol Development  
Best practices for developing an interview protocol for both formal and informal interview data collection  
Dr. Nishika Edwards & Dr. Verleen McSween

**SCAN ME**

<https://forms.gle/efdRPSjZTR711eG8>

Eastern Caribbean Center

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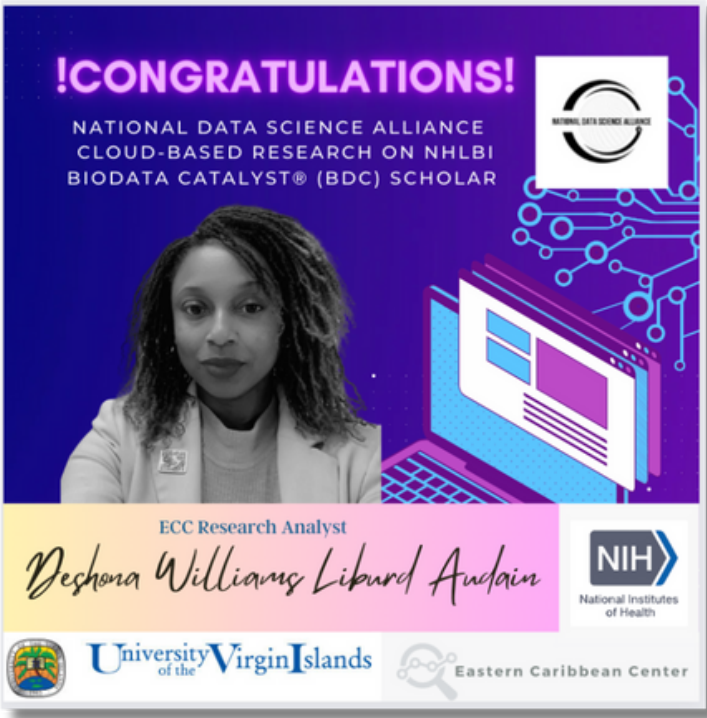
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# THE CURRENT WORK IN EXPERTISE DEVELOPMENT



## UNIT SKILLS

RASCH

Qualitative Research

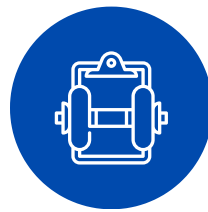
Python

R Analysis

External Evaluation



# GETTING INVOLVED IN ECC RESEARCH



## Population Research

Using Census and the American Community Survey data, the ECC team developed a Migration Archetype Model



## Housing Policy & Resiliency Research

ECC has partnered with TSU for a HUD Center of Excellence Housing and Resiliency study with Dr. Henrickson, Chair of the MPA program in CLASS



## Education and Special Services

The ECC conducts research and evaluation studies with the State Office of Special Education to develop reports on service use and participant progression



## Health and AI

ECC is the official HUB for the South East AIM AHEAD Consortium focused on health disparities and the use of Artificial Intelligence and Machine Learning in health Care



## Data Literacy

ECC works with units like UVI-CELL and VI-EPSCoR to extend training and support to efforts to boost Data Literacy, we develop data materials to support data use and understanding



Cummings, L, Johnson Rogers, M., Bellew, A., Williams Liburd Audain, D., Queeley Richardson, T., Henry, S.I., (2023). Uncuffing the USVI Economic Landscape from the Colonial Understanding. Caribbean Studies Association Conference (CSA), St Croix, USVI.



# THE 2024 VIRGIN ISLANDS COMMUNITY SURVEY





# PARTNERSHIPS IN HEALTH RESEARCH



## Boosting Institutional Capacity

Access to a wide variety of data and computing infrastructure options to facilitate AI/ML. Access to curated datasets and resources.



## AI/ML Training

Training and workforce development in AI/ML and health disparities to increase the number of URM AI/ML scientists to include physicians, upcoming graduate students and early career faculty



## Future Research and Outreach

Access to internships, fellowships, faculty course buyout awards, mini-grant funding Assistance in building diverse datasets by cultivating trust and increasing awareness. AI/ML outreach to the medical community and K12 learners.





# UVI Hub Specific Grant

**ASSESSMENT OF AWARENESS, PERCEPTIONS AND OPINIONS TOWARDS  
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING AMONG  
HEALTHCARE PROFESSIONALS IN THE US VIRGIN ISLANDS**



Deshona Williams  
Liburd Audain, Ph.D.  
Health Psychologist  
Awarded October 2023

## **Hypothesis 1:**

**Medical Professionals in the USVI have a positive  
perception of the use of AI/ML in healthcare.**

## **Hypothesis 2:**

**Medical Professionals in the US Virgin Islands  
are willing to incorporate AI/ML in their  
practice.**



**Eastern Caribbean Center**  
*"Using data and research to tell the  
Caribbean story"*



**SOUTHEAST HUB**





# THANK YOU

Website: [ecc.uvi.edu](http://ecc.uvi.edu)  
Phone: 340-693-1020  
Email: [ecc@uvi.edu](mailto:ecc@uvi.edu)



**Eastern Caribbean Center**





# CONTACT US FOR YOUR RESEARCH AND DATA NEEDS

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Phone: 340-693-1020  
Email: [ecc@uvi.edu](mailto:ecc@uvi.edu)



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