Vivian F. Guetler

Doctoral Candidate in Sociology

3202 Hayden Lane, Morgantown, WV 26505

 (+001) 315-708-1590 | vfg0002@mix.wvu.edu | www.vguetler.github.io | vguetler | vivianguetler

Education

West Virginia University   *Morgantown, WV*

PhD in Sociology   *2016 - present*

- Specializations: crime, cyber-terrorism, counter-terrorism, culture, society & technology

Syracuse University   *Syracuse, NY*

MS Information Management   *2015 - present*

- Relevant coursework: Information Environments, Introduction to Information Management, Managing Information Systems Projects

Syracuse University   *Syracuse, NY*

MA in Pan African Studies   *2013 - 2015*

- Thesis: Educational Experiences of Refugees in the US

Alpen Adria Klagenfurt University   *Klagenfurt, Austria*

BA in English and American Studies   *2010 - 2013*

Research Interests

Topics	Crime, (Counter)terrorism, Cyberterrorism, online deviance, technology and society, ethical Machine Learning, social psychology and interaction
Methods	Computational social science, data science, machine learning, social network analysis, natural language processing, text as data, qualitative research
Teaching	Data Science & programming for social sciences, cyberterrorism, social network analysis, computational social science, technology and culture

Research Experience

Department of Sociology, West Virginia University   *Morgantown, WV*

Research Assistant   *May 2020 - present*

- Advisor: Dr. Katie Corcoran
- Projects: network analysis of religious congregations in the US

eScience Institute, University of Washington   *Seattle, WA*

Data Science For Social Good Fellow   *May 2019 - August 2019*

- Projects: Development of Algorithm Equity Toolkit with community organizations in Seattle

Injury Control Research Center, West Virginia University   *Morgantown, WV*

Research Assistant   *May 2018 - May 2019*

- Advisor: Dr. Robert Bossarte
- Projects: Community Resiliency and Suicide amongst West Virginia rural communities

Near East Foundation   *Syracuse, NY*

Program Development & Research Intern   *May 2017 - Aug. 2017*

- Projects: writing proposals and program development research

Teaching Experience

Department of Sociology, West Virginia University   *Morgantown, WV*

Graduate Instructor   *August 2019 - May 2020*

- Fall 2019 SOCA 101 Introduction to Sociology
- Spring 2020 SOCA 101 Introduction to Sociology (Web-based)
- Spring 2020 SOCA 101 Introduction to Sociology (Web-based)

Department of Sociology, West Virginia University

GRADUATE TEACHING ASSISTANT

- SOCA 105 Introduction to Anthropology
- SOCA 234 The American Criminal Justice System
- SOCA 319 Police Culture and Socialization
- SOCA 331 Sociology of Law
- SOCA 334 White Collar Crime
- SOCA 345 Terrorism
- SOCA 337 Sociology of Business

Morgantown, WV
August 2016 - May 2018

Department of African American Studies, Syracuse University

GRADUATE TEACHING ASSISTANT

- AAS 306 African American Politics
- AAS 346 Comparative Third World Politics
- AAS 361 Art of the Black World
- AAS 304 Workshop in African American Theater
- AAS 309 Race, Gender and Sexuality in the African Diaspora

Syracuse, NY
Aug. 2012 - May 2015

Presentations

Sentiment Analysis of Twitter Users Towards #Charlottesville Unite the Right Rally

THE AMERICAN SOCIETY OF CRIMINOLOGY ANNUAL MEETING

San Francisco, CA
Nov. 2019

Sentiment Analysis & Topic Modelling of Twitter Users Towards #Charlottesville Unite the Right Rally

GRACE HOPPER CELEBRATIONS, WOMEN IN COMPUTING

Orlando, Florida
Oct. 2019

Terrorists of a Feather Flock Together: Homophily & Prestige in Dark Networks

NETSCI 2019, UNIVERSITY OF VERMONT

Burlington, VT
June 2019

The Code War: Examining #OpISIS Hacktivism Campaign Against Cyber-Caliphates

CONFERENCE FOR TECHNOLOGY & FUTURE OF TERROR (INVITED SPEAKER)

Atlanta, GA
April 2019

Tweeting After an Attack: Examining Twitter Reactions of Al-Shabaab's Terror Attacks

MINNESOTA POLITICAL METHODOLOGY COLLOQUIUM

Minneapolis, MN
April 2019

"Don't Try to Drown out the Conversation, Let's Talk About What Jihad Means": Framing Terrorism in the U.S Media

AMERICAN SOCIOLOGICAL ASSOCIATION, MEDIA PRE-CONFERENCE

Philadelphia, PA
Aug. 2018

Terrorism as a Family Affair

ANNUAL STRATEGIC MULTI-LAYER ASSESSMENT CONFERENCE JOINTLY WITH DHS, DNI, NIC, NCTC

Joint Base Andrews, MD
April 2018

Is Terrorism a Family Affair? Analyzing Pathways to Violent Extremism across Ideologies in the US

AMERICAN SOCIETY OF CRIMINOLOGY ANNUAL MEETING

Philadelphia, PA
Nov. 2017

Are We Reaching the Targeted Population? Countering Jihadi Narratives on Facebook

SOCIETY FOR TERRORISM RESEARCH, 11TH ANNUAL INTERNATIONAL CONFERENCE, NYU

New York, NY
Aug. 2017

Publications

Toward Situated Interventions for Algorithmic Equity: Lessons from the Field

MICHAEL KATELL, MEG YOUNG, DHARMA DAILEY, BERNEASE HERMAN, **VIVIAN GUETLER**, AARON TAM, CORINNE BINTZ, DANIELLA RAZ & P.M KRAFFT. ASSOCIATION FOR COMPUTING MACHINERY, NY 2020

US
2020

An Algorithmic Equity Toolkit for Technology Audits by Community Advocates and Activists

US

MICHAEL KATELL, MEG YOUNG, DHARMA DAILEY, BERNEASE HERMAN, **VIVIAN GUETLER**, AARON TAM, CORINNE BINTZ, DANIELLA RAZ & P.M KRAFFT. PREPRINT ARXIV 2019

2019

A toolkit for Algorithmic Equity and Community Empowerment

US

MICHAEL KATELL, MEG YOUNG, DHARMA DAILEY, BERNEASE HERMAN, **VIVIAN GUETLER**, AARON TAM, CORINNE BINTZ, DANIELLA RAZ & P.M KRAFFT. ICONFERENCE 2020 PROCEEDINGS

2020

An Equity in Automation Toolkit for Technology Audits by Community Advocates and Activists

US

MEG YOUNG, MICHAEL KATELL, DHARMA DAILEY, BERNEASE HERMAN, **VIVIAN GUETLER**, AARON TAM, CORINNE BINTZ, DANIELLA RAZ & P.M KRAFFT. UNDER REVIEW, BIG DATA & SOCIETY

2019

Honors & Awards

2020	**Inaugural Outstanding Dissertation Fellowship,** Department of Sociology & Anthropology, West Virginia University	*Morgantown, WV*
2020	**Outstanding Graduate Teaching Assistant,** Eberly College, West Virginia University	*Morgantown, WV*
2019	**Student Scholar Grace Hopper Celebration Women in Computing,** AnitaB.org	*Orlando, FL*
2019	**Data Science for Social Good Fellow,** eScience Institute, University of Washington	*Seattle, WA*
2019	**Modern Longitudinal Data Analysis in R Workshop Travel Grant,** Society for Multivariate Experimental Psychology	*College Park, MD*
2018	**Outstanding Graduate Teaching Assistant,** Eberly College, West Virginia University	*Morgantown, WV*
2016	**Women in Computer Research Association Travel Grant ,** iSchool, Syracuse University	*Syracuse, NY*
2015	**Diversity Scholarship ,** iSchool, Syracuse University	*Syracuse, NY*

Skills

Functional	Data analysis & visualization, project management, quantitative & qualitative research methods
Programming	R, Python, STATA, Markdown, HTML, CSS, JavaScript, SQL, LaTeX, Tableau, Git/Github

Professional Service

2020	**Software Carpentry Workshop Instructor Helper,** Basic R, West Virginia University	*Morgantown, WV*
2020	**Software Carpentry Workshop Instructor Helper,** Basic Python, West Virginia University	*Morgantown, WV*
2019	**Software Carpentry Workshop Instructor Helper,** Basic Python, West Virginia University	*Morgantown, WV*
2018	**Peer Review,** Sociological Focus	*U.S*
2019	**Mentor,** Cohort Mentorship Program, Department of Sociology	*Morgantown, WV*