Christine H. Neudecker

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**Education – Degrees & Diploma**

***2017 – Current Rutgers University, Newark, New Jersey, United States of America***

 PhD Student in the School of Criminal Justice

 School of Criminal Justice Graduate Fellow

***2014 – 2017 Simon Fraser University, Burnaby, British Columbia, Canada***

 Master of Arts Degree

 Dean’s list

Master’s Thesis: CVE Programs and Initiatives through the Ages: A snapshot of the past, present, and future

***2016 – 2017 Vancouver Island University, Nanaimo, British Columbia, Canada***

Advanced Diploma in Geographic Information System Applications (ADGISA)

Dean’s list

***2011 – 2014 Simon Fraser University, Burnaby, British Columbia, Canada***

 Bachelor of Arts (with distinction) Degree, major in criminology

 Dean’s list

***2009 – 2011 MacEwan University, Edmonton, Alberta, Canada***

First two years of Bachelor of Arts Degree

 Dean’s list

**Education – Certificates**

***2016– 2017 ESRI, Online***

*Getting started with ArcGIS desktop*

*Organizing geographic data*

*Referencing data to real locations*

*Creating map symbology*

*Designing maps with ArcGIS*

*Creating and editing data*

*Getting started with GIS analysis*

*Working with geoprocessing and modeling tools*

*Getting started with geodatabase topology*

*Working with geodatabase domains and subtypes in ArcGIS*

*Getting started with geodatabases*

*Managing lidar data in ArcGIS 10*

*Managing lidar data using terrain datasets*

*Managing lidar data using mosaic datasets*

*Managing lidar data using LAS datasets*

*Image processing with ArcGIS*

*Processing raster data using ArcGIS*

*Organizing raster data using ArcGIS*

*Displaying raster data using ArcGIS*

*Georeferencing raster data using ArcGIS*

*Basics of raster data*

*Solving spatial problems*

*Using raster data for site selection*

*Distance analysis*

*Deriving rasters for terrain analysis*

*Creating 3D data*

*3D analysis of surfaces and features*

*Building models for GIS analysis*

**Education – Computer Programs/Platforms/Languages Skills**

ArcGIS

SPSS

VB.Net

PCI Geomatica

SQL

Microsoft Access

Python

Stata

R

**Academic Awards**

2020 Sir James Lougheed Award of Distinction recipient for the 2019-2020 academic year from the Alberta Government $20,000

2020 Pierre Elliot Trudeau Doctoral Scholarship Nominee for Rutgers University - Newark

2017 Rutgers School of Criminal Justice Graduate Fellowship $25,000

2017 SSHRC Doctoral Scholarship $80,000 over 4 years

2017 Joseph-Armand Bombardier Canada Graduate Scholarships Doctoral Scholarship $105,000 over 3 years (Declined to attend school in USA)

2016 Simon Fraser University Graduate Fellowship $6,500

2015 Dr. Brian Burtch Graduate Award $1,200

2015 SSHRC Canadian Graduate Master’s Scholarship $17,500

2014 Simon Fraser University Open Undergraduate Scholarship $1,500

2009 Sangudo Agricultural Society & District Scholarship $1,000

**Grants**

2019 Rutgers School of Criminal Justice Travel Grant $500

2018 Rutgers School of Criminal Justice Travel Grant $500

2017 Rutgers School of Criminal Justice Travel Grant $500

2016 SFU Graduate Student Society Travel Grant $500

2015 Travel and Minor Research Award $500

2014 Travel and Minor Research Award $875

**TEACHING EXPERIENCE**

**Courses Taught as Instructor:**

***Criminal Justice 302 – Data Analysis in Criminal Justice (Fall 2019)***

This course examines the various types of data used within criminal justice and the fundamentals of statistics and analysis. Provides an analysis of the appropriate use of data, the limits of various methods, how data is collected, and how to interpret findings. Policy implications of data will also be discussed. Topics covered include: experiments, measures of central tendency, measures of dispersion, probability, confidence intervals, hypothesis testing, distributions, levels of measurement, chi-square, t-tests, analysis of variance (ANOVA), correlation, bivariate regression, and multiple regression.

***Criminal Justice 343 – White Collar Crime (Summer 2019, Fall 2020, Winter 2021, Spring 2021)***

This course focuses on crimes organized by persons whose economic, political, and privileged positions facilitate the commission; relative impunity of unusual crimes that are often national and international in scope and that have serious, long‐term consequences. Writing Intensive in nature. Topics included: crimes against consumers, unsafe products, environmental crimes, securities fraud, corporate fraud, fiduciary fraud, institutional corruption, crimes by the government, and medical crime.

***Criminal Justice 421 – Crime Mapping (Spring 2020)***

This course provides a practical introduction to analyzing and mapping crime and other public safety data using open-sourced and web-based applications, as well as ArcGIS geographic information system (GIS) software. Students will learn skills to make and analyze maps and will develop a solid base upon which to build further expertise in crime mapping and GIS.

**Courses Taught as Teaching Assistant:**

***Criminology 102 – Introductory Criminology (Rutgers - Fall 2017)***

Topics covered various criminological theories

***Criminology 302 – Data Analysis in Criminal Justice (Rutgers - Fall 2018)***

Topics covered include: experiments, measures of central tendency, measures of dispersion, probability, confidence intervals, hypothesis testing, distributions, levels of measurement, chi-square, t-tests, analysis of variance (ANOVA), correlation, bivariate regression, and multiple regression.

***Criminology 320 – Quantitative Research Methods (Simon Fraser University - Spring 2015, Summer 2015, Fall 2015, Spring 2016, Summer 2016, Fall 2016)***

Topics covered included: distributions, levels of measurement, chi-square, t-tests, ANOVA, ANCOVA, correlation, partial correlation, bivariate regression, and multiple regression.

***Criminology 321 – Qualitative Research Methods (Simon Fraser University - Spring 2016, Summer 2016)***

Topics covered included: theoretical underpinnings of qualitative research, interviews, content analysis, surveys, focus groups.

***Criminology 413 – Terrorism (Simon Fraser University - Fall 2014, 2015, 2016)***

Topics covered include: history of terrorism, definition of terrorism, rationality (or not) of terrorism, ethnic nationalist terrorism, ideological terrorism, state terrorism, eco-terrorism, Israel-Palestine conflict, religious terrorism, ISIS and Al Qaeda special topic, weapons of mass destruction, cyber terrorism, countering violent extremism.

***Criminology 425 – Miscarriages of Justice (Rutgers - Spring 2018)***

Topics covered include: eyewitness testimony, prosecutorial misconduct, junk science, defense lawyer appointment and misconduct, police interrogation, death penalty, jury selection, expert witnesses.

***Statistics Tutor (Rutgers - Spring 2019)***

Duties include: Tutoring all undergraduate and graduate students in statistics on an as needed basis.

Topics covered include: experiments, measures of central tendency, measures of dispersion, probability, confidence intervals, hypothesis testing, distributions, levels of measurement, chi-square, t-tests, analysis of variance (ANOVA), correlation, bivariate regression, and multiple regression.

 **Guest Lectures**

***November 18th, 2019 Texas A&M International University – Laredo.*** Lectured on the potential uses of remotely sensed data in the study of counter-terrorism.

***December 6th, 2018 Rutgers University-Newark.*** Lectured on the applicability of various statistical analyses in criminal justice for Dr. Colleen Berryessa’s Criminology 302 (Data Analysis). Lecture was one hour and twenty minutes and covered examples of peer reviewed studies that utilized a variety of statistical tests.

***March 29th, 2018*** ***Rutgers University-Newark.*** Lectured on the death penalty and exonerations for Dr. Elizabeth Griffith’s Criminology 425 (miscarriages of justice). Lecture was one hour and twenty minutes and covered case law specific to the death penalty, changing opinions on the death penalty, and a case study application of Cameron Todd Willingham.

***March 28th, 2017*** ***Simon Fraser University.*** Lecture on multiple regression for Stephanie Dawson’s Criminology 320 (quantitative research methods). Lecture was three hours long and covered multiple regression and interaction effects.

***March 15th, 2017*** ***Simon Fraser University.*** Lecture on countering violent extremism initiatives for Dr. Garth Davies’ Criminology 417 (Advanced Terrorism elective class). Lecture was three hours long and discussed countering violent extremism laws and initiatives around the globe with a special focus on countering violent extremism programs.

***August 17th, 2015*** ***Simon Fraser University.*** Review session for Dr. Christopher Giles’ Criminology 320 (Quantitative Research Methods). Lecture was three hours long and covered a multitude of topics, including: distributions, levels of measurement, chi-square, t-tests, ANOVA, ANCOVA, correlation, partial correlation, bivariate regression, and multiple regression.

**RESEARCH EXPERIENCE**

***2017 – Current Research Assistant, NIJ funded project RTM & CACC Using American Terrorism Database***

Assist with research on NIJ funded project using Risk Terrain Modeling and conjunctive analysis techniques to inspect the geography of terrorist attacks in the United States. This is a joint project between Rutgers University and the University of Arkansas.

***2017 – Current Research Assistant, Rutgers Center on Public Security***

Assist with research on a variety of topics, criminologically related and otherwise, including: epilepsy study to find physical origination in the brain of disorder, risk terrain modeling, statistical modeling/analysis, mapping and GIS analysis.

***2015 – 2018 Independent Contractor. GIS mapping and analysis.***

***2014 – 2018 Research Assistant, Donnybrook Research Inc.***

Assist with research on various criminological topics, including: homicide, car crashes, mapping and GIS analysis, and statistical modeling/analysis.

***2014 – 2017 Research Assistant, Simon Fraser University (with supervisor Dr.***

***Garth Davies).***

Terrorism related research; Small SSHRC research on countering violent extremism programs.

***2016 March –***

***2016 August Research Assistant, Somalian Youth Project – joint between University of Alberta and Ryerson University.***

Transcription and coding of interviews.

***2014 September –***

***2015 June Research Assistant, Martin Bouchard Consulting.***

Worked on Kanishka project for Public Safety Canada – connections between social psychology of the Internet and violent extremism.

PUBLICATIONS

**Published Papers – Peer Reviewed**

Caplan, J. M., **Neudecker, C. H.**, Kennedy, L. W., Barnum, J. D., & Drawve, G. (2020). Tracking Risk for Crime Throughout the Day: An Examination of Jersey City Robberies. Criminal Justice Review, 0734016820981628.

Caplan, J. M., Kennedy, L. W., & Neudecker, C. H. (2020). Cholera deaths in Soho, London, 1854: Risk Terrain Modeling for epidemiological investigations. Plos One, 15(3), e0230725.

Benjamin Ducol., Martin Bouchard, Garth Davies, **Christine Neudecker** et Marie Ouellet (2018). Radicalisationet extrémisme violent à l’ère du Web. Numérique et radicalités violentes: au-delà des discours communs. Cahiers de la sécurité et de la justice, 43, 91-99.

Davies, G., **Neudecker, C**., Ouellet, M., Bouchard, M., & Ducol, B. (2016). *Toward a Framework Understanding of Online Programs for Countering Violent Extremism*. Journal for Deradicalization, No. 6, p. 51-86.

Ducol, B., Bouchard, M., Davies, G., Ouellet, M., **Neudecker, C.** (2015). Assessment of the state of knowledge: Connections between research on the social psychology of the Internet and violent extremism. Canadian Network for Research on Terrorism, Security, and Society.

**Forthcoming – Papers & Book Chapters**

Davies, G., Doering, S. & Neudecker, C. In Preparation. The role of psychological assessment in countering violent extremism. In Corrado, R., Merari, A. & Wössner, G. (Eds.) Terrorism risk assessment instruments – contemporary policy and law enforcement challenges. Amsterdam: IOS Press.

**Currently Under Review**

D’mello, J. R., **Neudecker, C. H.** (2021). Monsoon Marauders and Summer Violence: Exploring the Relationship between Climate Change and Terrorist Activity in India. *Terrorism and Political Violence*.

**Paper – Non-Peer Reviewed**

**Neudecker, C.** (2016). The Life and Death of CVE Programs: Informing Public Policy. *Justice Report*.

**Neudecker, C. H.** (Winter 2020). Networking 102: You got your foot in the front door, now keep it there! *Inter-News: The Newsletter of the Division of International Criminology of the American Society of Criminology*.

**Technical Reports**

Cohen, I. M., McCormick, A.V., Davies, G., & **Neudecker, C**. (2017). An Analysis of The Socio-Economic and Sociodemographic Contributors to Intimate Partner Violence in RCMP Jurisdictions In British Columbia. Centre for Public Safety and Criminal Justice.

Cohen, I.M., McCormick, A.V., Burk, K., Davies, G., & **Neudecker, C**. (2016). A Review of the Burnaby RCMP Detachment’s Service Delivery Model. Centre for Public Safety and Criminal Justice Research.

Cohen, I.M., Burk, K., Davies G., & **Neudecker, C.** (2016). Understanding the Socio-Economic and Socio-Demographic Contributors to Property Crime in the Lower Mainland of British Columbia. Centre for Public Safety and Criminal Justice Research.

Cohen, I. M., Davies, G., **Neudecker, C.** (2016). Long range facility plan for Richmond fire-rescue and Richmond RCMP. Centre for Public Safety and Criminal Justice Research.

Ducol, B., Bouchard, M., Davies, G., Ouellet, M., **Neudecker, C.** (2015). Report on *Assessment of the state of knowledge: Connections between research on the social psychology of the Internet and violent extremism*. Ottawa: Public Safety Canada. 104 pages.

**Presentations**

**Neudecker, C.** Predicting Risk for Terrorist Attacks using RTM in tandem with Remote Sensing Data. A paper presented on November 14th, 2019 at the annual meeting of the American Society of Criminology, San Francisco, California.

Dmello, J.R. & **Neudecker, C.H.** The Effects of Climate Change on the Risk for Terrorist Attacks in India. A paper presented on November 14th, 2019 at the annual meeting of the American Society of Criminology, San Francisco, California.

**Neudecker, C.** How Physical Vulnerabilities and Social Behaviors Interact Throughout the Day to Change the Risk for Crime Occurrence: An examination of robbery in Jersey City. A paper presented on June 6th, 2019 at the 1st International Conference on Crime Risk Analysis, Elche, Spain.

**Neudecker, C**, Caplan, J.M., Kennedy, L., Drawve, G. Risky Places and Police Intervention: Deploying risk terrain modeling to combat crime in Atlantic City. A paper presented on November 15th, 2018 at the annual meeting of the American Society of Criminology, Atlanta, GA.

**Neudecker, C. “**CVE Programs Thus Far: Lessons Learned.” A paper presented on November 15th, 2017 at the annual meeting of the American Society of Criminology, Philadelphia, PA.

Cohen, I., Davies, G., **Neudecker, C.**, and Haarhoff, T. “Contextual Explanations for Intimate Partner Violence.” Paper to be presented on November 15th, 2017 at the annual meeting of the American Society of Criminology, Philadelphia, PA.

**Neudecker, C. “**CVE Programs and Initiatives Through the Ages: A snapshot of the past, present, and future.” A paper presented on August 15th, 2017 at the annual meeting of the Society for Terrorism, New York, New York.

**Neudecker, C**. “Programs for Countering Violent Extremism: Limitations and Possible Solutions,” a paper presented on November 17, 2016 at the American Society of Criminology annual meeting in New Orleans, Louisiana.

Davies, G. and **Neudecker, C**. “Countering Violent Extremism.” Presented at the International Security Preparedness Professional Development Conference in Victoria in June, 2016.

**Neudecker, C**. “Why you no love me? Social psychology and online CVE programs,” a paper presented at the annual meeting of the Western Society of Criminology (2016), Vancouver, British Columbia.

**Neudecker, C**. “The Correlates of Terrorist Attacks in Canada,” a paper presented on November 18, 2015 at the annual meeting of the American Society of Criminology, Washington, D.C.

**Neudecker, C**. “Have you seen this? A Content Analysis of Terrorist Videos on the Internet,” a poster

presented on November 20, 2014 at the annual meeting of the American Society of

Criminology, San Francisco, California.