

EUNGANG (PETER) CHOI

238 Townshend Hall 1885 Neil Avenue Mall, Columbus OH, 43210
choi.1443@osu.edu ♦ <http://eungangchoi.com>

EDUCATION

The Ohio State University, Columbus, Ohio

May. 2023

Ph.D in Sociology

- Advisor: Sam Clark
- Committee: Sam Clark, Rachel Dwyer, David Melamed, Zehang Li
- Graduate Interdisciplinary Specialization in Demography(GISD)

The Ohio State University, Columbus, Ohio

Dec. 2019

M.A.D in Sociology

- in Sociology (2019)

KDI School of Public Policy and Management, Seoul, S.Korea

Aug. 2013

Master of Public Policy (MPP)

Magna Cum Laude

- Thesis : Research on US Crime Rate - Using the Kinked Experience Curve Model
- Concentration: Entrepreneurship and Private Sector Development / Finance and Macroeconomic Policy

Handong Global University, Pohang, S.Korea

Feb. 2012

B.A. Management, International Area Studies (Double Major)

PUBLICATIONS

Zehang Richard Li, Jason Thomas, **Eungang Choi**, Tyler H McCormick, Samuel J Clark (2023) “The openVA Toolkit for Verbal Autopsies” *R Journal*

Daniel Chandramohan, ... , **Eungang Choi**, ... , Don de Savigny (2021) “Estimating causes of death where there is no medical certification: Evolution and state of the art of verbal autopsy” *Global Health Action*

Tim Riffe, Enrique Acosta, **Eungang Choi**, the COVerAGE-DB team (2021) “Data Resource Profile: COVerAGE-DB: a global demographic database of COVID-19 cases and deaths” *International Journal of Epidemiology*, Volume 50, Issue 2, April 2021, Pages 390 - 390

EMPLOYMENT HISTORY

Nationwide Mutual Insurance Company

July. 2023 - Present

Data Scientist - Enterprise Analytics Office

Columbus, OH

- Using ML/Deep Learning models to forecast/classify important information in making business decisions
- Methods include - LLMs, Advanced clustering Methods, BBC-CV, SpaCy, and more

Nationwide Mutual Insurance Company

May. 2021 - May.2023

Data Science Intern/GRA - Enterprise Analytics Office

Columbus, OH

- Using ML/Deep Learning models to predict/classify important information in making business decisions
- Methods include - LLMs, Advanced clustering Methods, BBC-CV, SpaCy, and more

Korea Standards Association*Consultant*

Sep. 2016 - Aug. 2017

Seoul, S.Korea

- Management Innovation Center, Organization Competency Innovation Center

KPMG*Consultant*

Nov. 2015 - Jun. 2016

Seoul, S.Korea

- Business Consulting Service

KMAC*Senior Consultant*

Mar. 2013 - Jun. 2015

Seoul, S.Korea

- Management of Technology
- Global Business/Management Strategy Division

SOFTWARE

Melina Raglin, **Eungang Choi**, and Erick Axxe. **DCiFR(Demographic Characteristics in Facial Recognition computer)**

Peter Byass [aut], Eungang Choi [aut], Sam Clark [aut], Zehang Li [aut], Nicolas Maire [aut], Tyler McCormick [aut], Jason Thomas CrossVA (R)

Eungang Choi, Jason Thomas, Sam Clark PyCrossVA (Python)

TEACHING

Introduction to Sociology*SOC 1101 - Guest Lecture*

July 2021

*The Ohio State University***Urban Social Problems***SOC 2367 - Guest Lecture*

Oct. 2020 & Mar. 2021

*The Ohio State University***Analysis and Display of Data***ECON 3400 - Guest Lecture*

Nov. 2019

*The Ohio State University***Seminar for Graduate Interdisciplinary Specialization in Demography***SOC 8802/PUBHLTH 8802 - Guest Lecture*

Nov. 2019

*The Ohio State University***Introduction to Sociology***SOC 1101 - Guest Lecture*

Nov. 2018

*The Ohio State University***PRESENTATION**

Natural Language Processing in the Context of Qualitative Researcher*American Sociological Association Annual Meeting*

Aug. 2022

*Los Angeles, CA***Computer Vision and Applications in Social Science: Deriving Race and Gender From Photos***Population Association of America Annual Meeting*

Apr. 2022

*Atlanta, GA***Race and Gender Disparities in Academic Pay***Academic Analytics Research Center*

Sep. 2021

*Virtual Webinar***Race and Gender Disparities in Academic Pay***Population Association of America Annual Meeting - **Awarded Best Poster***

May. 2021

Virtual Conference

Race and Gender Disparities in Academic Pay <i>14th Annual OSU/BGSU Graduate Student Conference</i>	Oct. 2020 <i>Virtual Conference</i>
Discrimination Behind the Cyber Curtain: Comparing Airbnb's User-Based Ratings and Text Reviews <i>American Sociological Association Annual Meeting</i>	Aug. 2020 <i>Virtual Conference</i>
A Flaw of the Open-Rating System: Discrimination within Airbnb's User-Based Ratings <i>Population Association of America Annual Meeting</i> <i>*Canceled due to COVID-19</i>	Apr. 2020 <i>Washington DC</i>
Verbal Autopsy and OpenVA <i>TDAI Fall Forum</i>	Nov. 2019 <i>Columbus, OH</i>
Access to Transportation: Bus Network and Spatial Inequality in Columbus <i>American Sociological Association Annual Meeting</i>	Aug. 2019 <i>New York, NY</i>
Training of Trainers Workshop <i>Presenter/Trainer</i>	Nov. 2018 <i>Columbus, OH</i>
· VA Data Quality Review and COD Assignment	
OpenVA Pipeline Implementers and Developers Meeting <i>Presenter/Trainer</i>	May. 2018 <i>Singapore</i>

TRAINING

Data Carpentries Instructor Training · Data Carpentries (Virtual)	Mar, 2021
Text Analysis Group (Co-organizer) · The Ohio State University (Virtual)	June - Aug, 2020
Summer Institute in Computational Social Science (SICSS) · Northwestern University	June, 2019
DHIS2 Configuration · Basel, Switzerland (Swiss TPH)	March, 2019
IUSSP/MPIDR Workshop on Monitoring Mortality in the Era of the SDGs · Rostock, Germany	June, 2018
Annual Workshop on Formal Demography · UC Berkeley	June, 2018
Demographic Research in the Digital Age · Denver, CO (PAA 2018)	April, 2018

MEMBERSHIP

Population Association of America (PAA)	2018 - Present
--	----------------

International Union for the Scientific Study of Population (IUSSP)	2018 - Present
American Sociological Association (ASA)	2018 - Present

SCHOLARSHIPS & AWARDS

Best Poster Award - Population Association of America 2021 Annual Meeting <i>PAA</i>	2021
2019 Summer Institute in Computational Social Science - Chicago Grant (\$700) <i>SICCS-Chicago</i>	2019
2019 Summer Methods Training Award (\$1,200) <i>Department of Sociology, OSU</i>	2019
2018 Summer Methods Training Award(\$1,183) <i>Department of Sociology, OSU</i>	2018
University Fellowship <i>The Ohio State University</i>	2017 - 2018
Dean's List with Distinction <i>KDI School of Public Policy and Management</i>	2012 - 2013
CA (Class Assistant) Scholarship <i>KDI School of Public Policy and Management</i>	2012 - 2013

MENTORING

Undergraduate Research Assistants <i>The Ohio State University</i>	2019-Present
<ul style="list-style-type: none"> • Mentoring a group of undergraduates for Computational Social Science - studying race and inequality • Provide training and teach R, Python, and other skills (web scraping, analysis, visualization, literature review, presentation) • Encourage students to move on to careers in the field of CSS/Data Analytics (graduate school, industry jobs, internships) • This includes co-authorship, presentations at academic conferences, and writing recommendation letters • Melina Raglin - Data Analysis Intern at Abercrombie & Fitch Co. (Summer 2022) • Godwin Mshiw - Analyst at JP Morgan Chase & Co. (Since 2021) • Yulu Qin - MS, Computer Science, New York University (expected 2023) • Xiaowen Sun - MS, Software Engineering, UC Irvine (expected 2024) 	

SERVICE

To the University and Department
<ul style="list-style-type: none"> • Graduate Student Representative on Research Committee (Fall 2019 - Spring 2021) • Reviewer - President's Research Excellence (PRE) Program Accelerator Proposals (Spring 2021) • Co-Organizer - Introduction to High-Performance Cloud Computing (Fall 2021)

- Organizer - Creating Professional Website Workshop (Spring 2020)
- Organizer - Introduction to Python Workshop (Fall 2019, Spring 2020)
- Co-Organizer - Text Analysis Working Group (TAG) (Summer 2020 - Spring 2021)

To the Discipline

- Reviewer - Sociological Methodology
- Reviewer - PLOS Global Public Health
- Presider - American Sociological Association Annual Meeting (2022) - Structural Drivers of Health Inequality, Medical Sociology Round-table Session
- Chair - Population Association of America Annual Meeting (2021) - Formal Demography, Innovations in Theory and Methods

COUNTRY SUPPORT

Vital Strategies

Nov. 2019

Consultant

Dhaka, Bangladesh

- VA Data Quality and Scale-up Workshop

Vital Strategies

Mar. 2019

Consultant

Honiara, Solomon Islands

- openVA Pipeline Development and Implementation

Vital Strategies

Dec. 2018

Consultant

Delhi, India

- Training on VA Algorithms and Software/Comparing Methods for Assigning CoD Assignment

Vital Strategies

Nov. 2018

Consultant

Dhaka, Bangladesh

- A data quality check customization/CoD assignments through OpenVA Pipeline

TECHNICAL STRENGTHS

Software & Tools

Python, R, STATA, SPSS, SQL, L^AT_EX, Markdown