

Shiv Yücel

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Languages: English, French

EDUCATION

University of Oxford, Department of Geography and the Environment <i>DPhil, Geography and the Environment</i>	Oxford, United Kingdom <i>Oct 2022 – present</i>
University of Oxford, Oxford Internet Institute <i>MSc, Social Data Science – Distinction</i>	Oxford, United Kingdom <i>Oct 2020 – Aug 2021</i>
University of Toronto, Trinity College <i>Hon.BA, Economics Major, Psychology/Politics Minors; CGPA: 3.81/4; Major GPA: 3.87/4</i>	Toronto, Ontario <i>Sept 2016 – June 2020</i>

WORK EXPERIENCE

Teaching Assistant, Data Analytics at Scale <i>Oxford Internet Institute</i>	Sept 2024 – Dec 2024 <i>Oxford, England</i>
<ul style="list-style-type: none">Facilitated workshops for an intensive module of the MSc in Social Data Science, teaching techniques on writing and deploying efficient and scalable Python code for computationally intensive research	
Teaching Assistant, Statistics for Geographers <i>School of Geography and the Environment, University of Oxford</i>	Sept 2023 – Dec 2023 <i>Oxford, England</i>
<ul style="list-style-type: none">Led practical teaching sessions for first-year undergraduates applying statistical techniques	
Project Manager & Data Scientist <i>Oxford Artificial Intelligence Ltd.</i>	Aug 2021 – Sept 2022 <i>Oxford, England</i>
<ul style="list-style-type: none">Managed a team of four data scientists and website developersResponsible for projects on air pollution, mobility, and inequality for a large urban health charity in London.Conducted presentations to stakeholders and domain experts on the findings of our mobility-based indicators, along with relevant details on ethics and methodology.	
Data Scientist <i>Oxford Artificial Intelligence Ltd.</i>	Jan 2021 – Aug 2021 <i>Oxford, England</i>
<ul style="list-style-type: none">Analyzed high volume cell-phone mobility and pollution data to study air pollution exposure in the UKDeveloped novel public health tools to support UK government agencies and national charitiesDeveloped data analysis pipelines as inputs to a live-updating health and inequality monitor	
Research Assistant <i>University of Oxford</i>	Sept 2021 – Dec 2021 <i>Oxford, England</i>
<ul style="list-style-type: none">Analyzed largest database of online job advertisements to study the distribution of technological skill demand in the UK	
Economics Peer Academic Advisor <i>Trinity College, University of Toronto</i>	Sept 2019 – June 2020 <i>Toronto, Ontario</i>
<ul style="list-style-type: none">Hosted tutoring sessions to help students prepare for economics examinations and written assignmentsMentored undergraduate students to provide guidance on academic trajectoryOrganized the Trinity College Undergraduate Research Conference	

PEER-REVIEWED PUBLICATIONS

Access to Opioid Agonist Treatment during COVID-19 Public Transport Disruptions <i>International Journal of Drug Policy (paper linked here)</i>	June 2023
<ul style="list-style-type: none">Focused on Toronto, a major Canadian city suffering from the opioid epidemic, this paper uses novel routing methodologies to quantify how travel times to individuals' nearest methadone clinics changed due to public transport disruptions from 2019 to 2020Used open-source data sources to estimate the vulnerable populations that were impacted by the largest transport disruptions in the city's history.	

Impact of Network Centrality and Income on Slowing Infection Spread After Outbreaks Feb 2023

Applied Network Science (paper linked here)

- Publication based on MSc Thesis with Dr. Chico Camargo, Dr. Rafael Pereira, and Dr. Pedro Peixoto
- Analyzed cell-phone mobility and traffic data to model COVID-19 and assess policy impacts in São Paulo
- Uncovered how demographic factors (eg. race, income) interact with mobility and COVID-19 transmission

CONFERENCE PRESENTATIONS

Heatwave adaptation conditioned by everyday life: A simultaneous modelling approach Sept 2024

British Society for Population Studies Annual Conference Bath, England

Adapting to Extreme Heat: Measuring Resilience and Inequalities in Cooling Access July 2023

New Rhythms of Development, EADI General Conferences Lisbon, Portugal

Impact of Network Centrality and Income on Slowing Infection Spread After Outbreaks May 2022

13th International Conference on Complex Networks Exeter, England

How Big Data and AI are Tackling Public Health Problems March 2022

Big Data and AI World London, England

Tomorrow's Legal Teams: Roles, Education, and Training Sept 2021

Unlocking the Potential of Artificial Intelligence for English Law Oxford, England

The Socio-Economic Factors that Influenced Indigenous Nutrition in 1800s March 2020

Trinity College Undergraduate Research Conference Toronto, Canada

NON-REFEREED PUBLICATIONS

Everyday adaptation to summer heatwaves: A global perspective (submitted) May 2024

Second paper of DPhil, submitted for peer review (linked here) Oxford, England

- Examining global patterns of adaptation to summer heatwaves by linking global mobility, socio-demographic, physical-geographical, and climatic data across Brazil, China, France, India, Nigeria, Turkey, and the United States

Heatwave adaptation conditioned by everyday life (under review) May 2024

First paper of DPhil, submitted for peer review (linked here) Oxford, England

- Using cell phone, remote sensing, and socio-economic data to investigate how people adapt their daily activities in response to heatwaves

Rapid Evidence Policy Paper on Vaccine Uptake March 2021

UK Independent Scientific Pandemic Insights Group on Behaviours Oxford, England

- Contributed to emergency policy paper (linked here) on behalf of the UK Independent Scientific Pandemic Insights Group on Behaviours (SPI-B), informing the UK Scientific Advisory Group for Emergencies
- Investigated the relationship between vaccination status and mobility behaviors using cell phone mobility data

EDITORIAL ACTIVITY

- PLOS ONE × 2; Social Science and Medicine – Population Health

FUNDING AND AWARDS

- Canadian Centennial Scholarship Fund, 2024
- Doctoral Fellowship, Social Sciences and Humanities Research Council of Canada, 2023
- Drew Thompson Scholarship, Trinity College, University of Toronto, 2019
- The Chancellor's Scholarships, Trinity College, University of Toronto, 2018
- Marion P. Osler Scholarship, Trinity College, University of Toronto, 2016
- President's Entrance Scholarship, University of Toronto, 2016
- Dean's List Scholar x 3, University of Toronto