

Shiv Yücel

+44-7539-065-406 | shiv.yucel@ouce.ox.ac.uk | Website: shivyucel.github.io

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, Statistics for Geographers <i>School of Geography and the Environment, University of Oxford</i> <ul style="list-style-type: none">Led practical teaching sessions for first-year undergraduates applying statistical techniques	Sept 2023 – Dec 2023 <i>Oxford, England</i>
Project Manager & Data Scientist <i>Oxford Artificial Intelligence Ltd.</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.	Aug 2021 – Sept 2022 <i>Oxford, England</i>
Data Scientist <i>Oxford Artificial Intelligence Ltd.</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	Jan 2021 – Aug 2021 <i>Oxford, England</i>
Research Assistant <i>University of Oxford</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	Sept 2021 – Dec 2021 <i>Oxford, England</i>
Economics Peer Academic Advisor <i>Trinity College, University of Toronto</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	Sept 2019 – June 2020 <i>Toronto, Ontario</i>

PEER-REVIEWED PUBLICATIONS

Access to Opioid Agonist Treatment during COVID-19 Public Transport Disruptions <i>International Journal of Drug Policy (paper linked here)</i> <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.	June 2023
Impact of Network Centrality and Income on Slowing Infection Spread After Outbreaks <i>Applied Network Science (paper linked here)</i> <ul style="list-style-type: none">Publication based on MSc Thesis with Dr. Chico Camargo, Dr. Rafael Pereira, and Dr. Pedro PeixotoAnalyzed cell-phone mobility and traffic data to model COVID-19 and assess policy impacts in São PauloUncovered how demographic factors (eg. race, income) interact with mobility and COVID-19 transmission	Feb 2023

CONFERENCE PRESENTATIONS

- Adapting to Extreme Heat: Measuring Resilience and Inequalities in Cooling Access** July 2023
New Rhythms of Development, EADI General Conferences Lisbon, Portugal
- Presented research using cell phone mobility data and traditional data sources to explore inequalities in people's abilities to use cooling facilities during heat waves
- Impact of Network Centrality and Income on Slowing Infection Spread After Outbreaks** May 2022
13th International Conference on Complex Networks Exeter, England
- Presented methodology to assess the effectiveness of mobility-based lockdown interventions during COVID-19
 - São Paulo, Brazil used as case study to assess how mobility restrictions, captured using cell phone mobility data, slow down the spread of disease.
 - Captured impacts of travel networks and social inequality as factors influencing the arrival of disease
- How Big Data and AI are Tackling Public Health Problems** March 2022
Big Data and AI World London, England
- Demonstrated air pollution exposure tool based on anonymized cell phone mobility and hourly pollution data in London, United Kingdom.
- Tomorrow's Legal Teams: Roles, Education, and Training** Sept 2021
Unlocking the Potential of Artificial Intelligence for English Law Oxford, England
- Demonstrated live-updating monitor of technological skill demand in the UK labor market for United Kingdom Research and Innovation policy tool
- The Socio-Economic Factors that Influenced Indigenous Nutrition in 1800s** March 2020
Trinity College Undergraduate Research Conference Toronto, Canada
- Presented empirical research on relationship between health outcomes and mobility patterns among nomadic Aboriginals in 19th century.

NON-REFEREED PUBLICATIONS

- Heatwave adaptation conditioned by everyday life (under review)** May 2024
Analyzing interacting changes to daily activities during Pacific Northwest summers Oxford, England
- First paper of DPhil, submitted for peer review ([linked here](#))
 - 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

- Reviewed for PLOS ONE (July 2022) on manuscript analyzing the impact of COVID-19 policy interventions on mobility behaviours

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