Rohan Alexander

Assistant Professor, Information and Statistical Sciences, University of Toronto
Room 714, 140 St George St, Toronto, Ontario, M5S 3G6, Canada
✉ rohan.alexander@utoronto.ca   RohanAlexander   rohanalexander   rohanalexander.com

Academic appointments

Assistant Professor, Information & Statistical Sciences, University of Toronto   July 2020 - *Current*

> COVID-19: Between March and December 2020 I shared full-time childcare duties.
> Parental leave: Between June and September 2021 I was on parental leave.

Co-lead, Data Sciences Institute Thematic Program in Reproducibility   November 2021 - *Current*

Assistant Director, CANSSI Ontario   September 2021 - *Current*

Senior Fellow, Massey College   September 2021 - *Current*

Faculty Affiliate, Schwartz Reisman Institute   August 2020 - *Current*

Post-doctoral Fellow, Information   July 2019 - July 2020

Education

PhD (Economics), Australian National University   February 2015 - December 2019

> Dissertation title: Essays on Applied Historical Labour Economics.
> Committee: John Tang (chair); Martine Mariotti; Tim Hatton; Zach Ward.

M. Economics, Australian National University   February 2012 - November 2012

B. Economics, University of Queensland   February 2004 - November 2008

Books

Alexander, Rohan, *Telling Stories with Data*, (accepted for publication by CRC Press in May 2021).

Kennedy, Lauren, Rohan Alexander, and Andrew Gelman, (editors), *Multilevel Regression and Poststratification: A Practical Guide and New Developments*, (accepted for publication by Cambridge University Press in July 2021).

Peer-reviewed papers

Alexander, Rohan, and Zach Ward, 2018, 'Age At Arrival and Assimilation In The Age Of Mass Migration', *The Journal of Economic History*, 78(3), pp. 904-937.

Pre-prints

Alexander, Rohan, and Monica Alexander, 2021, 'The Increased Effect of Elections and Changing Prime Ministers on Topics Discussed in the Australian Federal Parliament between 1901 and 2018', *arXiv*, 17 November, https://arxiv.org/abs/2111.09299.

Collins, Annie, and Rohan Alexander, 2021, 'Reproducibility of COVID-19 pre-prints', *arXiv*, 22 July, https://arxiv.org/abs/2107.10724.

Alexander, Rohan, Samantha-Jo Caetano, Haoluan Chen, Michael Chong, Annie Collins, Shirley Deng, Isaac Ehrlich, Paul Hodgetts, Yena Joo, Marija Pejcinovska, Mariam Walaa, and Matthew Wankiewicz, 2021, 'An Introduction to DoSStoolkit', *arXiv*, 19 May, https://arxiv.org/abs/2105.09347.

Chiu, Ke-Li, and Rohan Alexander, 2021, 'Detecting Hate Speech with GPT-3', *arXiv*, 23 March, https://arxiv.org/abs/2103.12407.

Chiu, Ke-Li, and Rohan Alexander, 2021, 'On consistency scores in text data with an implementation in R', *arXiv*, 13 January, https://arxiv.org/abs/2101.05225.

Hodgetts, Paul A., and Rohan Alexander, 2020, 'cesR: An R package for the Canadian Election Study', *SocArXiv*, 3 September, https://osf.io/preprints/socarxiv/a29h8/.

Software

Hodgetts, Paul A., and Rohan Alexander, 2021, `cesR`, https://hodgettsp.github.io/cesR/.

Alexander, Rohan, and A Mahfouz, 2021, `heapsofpapers`, https://rohanalexander.github.io/heapsofpapers/.

Grants

U of T Faculty of Information SSHRC Institutional Grant   November 2021 - March 2022
    $3,500 to support an RA on the project 'At what cost? Using Hansard data to understand the public policy that went 'missing' due to COVID-19'.
    PI: Rohan Alexander.

U of T Faculty of Arts & Science Pedagogical Innovation and Experimentation Fund September 2021 - March 2022
    $10,000 to continue developing the DoSS toolkit.
    Co-PIs: Rohan Alexander, and Samantha-Jo Caetano.

CANSSI Ontario Workshop/Lecture (COWL) Program   February 2021
    $1,000 to support undergraduate research.
    PI: Rohan Alexander.

CANSSI Ontario Multidisciplinary Doctoral (Mdoc) training program September 2021 - September 2025
    $10,000 annually for five years to support a PhD student.
    Co-PIs: Rohan Alexander, and Monica Alexander.

U of T Faculty of Arts & Science Pedagogical Innovation and Experimentation Fund September 2020 - March 2021.
    $15,000 to develop an applied statistics toolkit.
    Co-PIs: Rohan Alexander, and Samantha-Jo Caetano.

UCL & U of T Strategic Partner Funds for AI collaborations   July 2020 - December 2020.
    $25,000 for 'AI Governance: Building ethical frameworks to balance risk and innovation'.
    Co-PIs: Elizabeth Lomas, Kelly Lyons, Jenny Bunn, and Rohan Alexander.

Teaching experience

UNIVERSITY OF TORONTO

(Upcoming) Instructor, 'INF312: Worlds Become Data'	Winter 2023
(Upcoming) Instructor, 'INF312: Worlds Become Data'	Winter 2022
(Upcoming) Instructor, 'STA304: Surveys, Sampling and Observational Data'	Winter 2022
Instructor, 'INF2178: Experimental Design for Data Science'	Winter 2021
Instructor, 'STA304: Surveys, Sampling and Observational Data'	Fall 2020
Instructor, 'INF2178: Experimental Design for Data Science'	Winter 2020

Supervisory experience

PHD

Mauricio Vargas Sepúlveda, Statistical Sciences	September 2021 - *Current*
Zedan Xu, Information	September 2020 - *Current*

MASTERS

Ciara Zogheib, Information (thesis supervisor)	September 2021 - *Current*
Elisa Du, Applied Computing (academic supervisor)	March 2021 - *Current*

A Mahfouz, Information (co-op)	Summer 2020
Ke-Li Chiu, Information (co-op and work-study)	July 2020 - February 2021
Paul Hodgetts, Information (co-op and work-study)	July 2020 - February 2021

UNDERGRADUATE

Callie Moore, Engineering (senior thesis)	September 2021 - *Current*
Jeremy Hunt, Engineering (senior thesis)	September 2020 - April 2021
Yian Wang, Statistical Sciences and Economics (work-study)	September 2020 - August 2021

Service

OUTREACH

Co-founder and co-organiser, *Toronto Data Workshop*	September 2019 - *Current*
Organiser, *Toronto Workshop on Reproducibility*	25 & 26 February 2021
Co-organiser, *MRP Working Group*	January 2020 - *Current*

COMMITTEES

Member, FAS Computation and Data Science Education Working Group	September 2021 - *Current*
Member, BI Recruitment and Admission Committee, Information	July 2021 - *Current*
Member, Graduate Committee, Statistical Sciences	July 2020 - *Current*
Co-organiser, Interdisciplinary Seminar Series, Statistical Sciences	July 2020 - *Current*
Member, Search Committee, Information	November 2020 - April 2020
Member, Awards Committee, Information	July 2020 - November 2020

EXAM COMMITTEE

Second Reader, Information MI Thesis Defence, June Lim	9 September 2021
Member, Statistical Sciences PhD Oral Exam Committee, Alex Stringer	27 April 2021
Member, Statistical Sciences PhD Oral Exam Committee, Arvind Shrivats	12 February 2021
Member, Statistical Sciences PhD Oral Exam Committee, Zhen Qin	12 January 2021

JOURNAL ASSOCIATE EDITOR

Journal of Statistics and Data Science Education	Summer 2021 - *Current*

JOURNAL REFEREEING

2020: Canadian Journal of Political Science (x2); Political Analysis; Harvard Data Science Review, The Economic Record.