

Rohan Alexander

Assistant Professor, Information and Statistical Sciences, University of Toronto

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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

Alexander, Rohan, and Paul A. Hodgetts, 2021, *AustralianPoliticians*, <https://rohanalexander.github.io/AustralianPoliticians/>.

Hodgetts, Paul A., and Rohan Alexander, 2021, *cesR*, <https://hodgetts.github.io/cesR/>.

Alexander, Rohan, and A Mahfouz, 2021, *heapsofpapers*, <https://rohanalexander.github.io/heapsofpapers/>.

Grants

U of T School of Cities Urban Challenge Grant January 2022 - December 2022
\$75,000 toward RAs and expenses associated with the project 'Disparities in climate-induced health outcomes in the Greater Toronto Area'.

Co-PIs: Rohan Alexander, Monica Alexander, Karen Smith, and Micah Hower.

U of T Data Sciences Institute Data Access Grant December 2021 - April 2022
\$10,000 to purchase ICES data in support of the project 'Disparities in climate-induced health outcomes in the Greater Toronto Area'.

Co-PIs: Rohan Alexander, and Monica Alexander.

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

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| (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

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| Mauricio Vargas Sepúlveda, Statistical Sciences | September 2021 - <i>Current</i> |
| Zedan Xu, Information | September 2020 - <i>Current</i> |

MASTERS

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| Ciara Zogheib, Information (thesis supervisor) | September 2021 - <i>Current</i> |
| Elisa Du, Applied Computing (academic supervisor) | March 2021 - <i>Current</i> |
| 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

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

Service

OUTREACH

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

COMMITTEES

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

EXAM COMMITTEE

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| 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

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| Journal of Statistics and Data Science Education | Summer 2021 - <i>Current</i> |
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JOURNAL REFEREEING

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