

# Dr Stuart Donovan

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## Qualifications

**PhD (Econ.)**    *Vrije Universiteit Amsterdam*    2017–23

**MPhil (Econ.)**    *Tinbergen Institute Amsterdam*    2015–17

## Academic Publications

Stuart Donovan, Thomas de Graaff, Henri L F de Groot, and Carl C Koopmans (In-Press). “Unraveling urban advantages—A meta-analysis of agglomeration economies”. In: *Journal of Economic Surveys*. IF 5.3.

Stuart Donovan, Thomas de Graaff, Arthur Grimes, Henri L F de Groot, and David C Maré (2022). “Cities with forking paths? Agglomeration economies in New Zealand 1976–2018”. In: *Regional Science and Urban Economics* 95, p. 103799. IF 3.1.

Arthur Grimes, Kate Preston, David Maré, Shaan Badenhorst, and Stuart Donovan (2021). “The contrasting importance of quality of life and quality of business for domestic and international migrants”. In: *Labor Markets, Migration, and Mobility: Essays in Honor of Jacques Poot*. Ed. by William Cochrane, Michael P. Cameron, and Omoniyi Alimi. Singapore: Springer, pp. 97–121.

Peter Nunns, Stuart Donovan, and Julie Anne Genter (2020). “Chapter 9 - Auckland, New Zealand”. In: *Parking*. Ed. by Dorina Pojani, Jonathan Corcoran, Neil Sipe, Iderlina Mateo-Babiano, and Dominic Stead. Elsevier, pp. 147–167.

Saeid Nazari Adli and Stuart Donovan (2018). “Right to the city: Applying justice tests to public transport investments”. In: *Transport Policy* 66, pp. 56–65. IF 6.8.

Tim Hazledine, Stuart Donovan, and Christine Mak (2017). “Urban agglomeration benefits from public transit improvements: Extending and implementing the Venables model”. In: *Research in Transportation Economics* 66, pp. 36–45. IF 3.8.

Jenny Riesz, Claire Sotiriadis, Daisy Ambach, and Stuart Donovan (2016). “Quantifying the costs of a rapid transition to electric vehicles”. In: *Applied Energy* 180, pp. 287–300. IF 11.2.

Rosalind Archer, Gary Nates, Stuart Donovan, and Hamish Waterer (2011). “Wind turbine interference in a wind farm layout optimization mixed integer linear programming model”. In: *Wind Engineering* 35.2, pp. 165–175. IF 1.5.


## Working Papers

Stuart Donovan, Thomas de Graaff, Henri L F de Groot, and Aaron Schiff (2023). *An urban overhead? Crime, agglomeration, and amenity*. Tinbergen Institute Discussion Paper 2023-024/VIII. (Note: Revise and re-submit with the Journal of Housing Economics).

Stuart Donovan, Thomas de Graaff, and Henri L F de Groot (2023). *An inexact science: Accounting for measurement error and downward bias in mode and location choice models*. Tinbergen Institute Discussion Paper 2023-011/VIII. (Note: Submitted to Transportation Research Part B).

## More Information

 **ORCID**

 **Google Scholar**  
Citations 459, h-index 10, i10-index 11

## Research Interests

- Spatial, urban, and transport economics
- Housing, labour, and energy economics
- Applied econometrics
- Meta-analysis

## Research Grants

**NWO Dutch National Research Agenda—Small Projects for NWA Routes 21/22.** *Project:* Connecting Urban Strategy and OR-ANGE. *Value:* 62,500 EUR. *Dates:* Jan.–Dec. 2023. *Role:* Associate investigator.

**TNO Early Research Project.** *Project:* Socio-economic Impact of Green Transitions. *Value:* 4 million EUR. *Dates:* Jan. 2023–Dec. 2026. *Role:* Associate investigator.

## Referees

**Henri de Groot**, Professor in Regional Economic Dynamics, Department of Spatial Economics, Vrije Universiteit Amsterdam, h.l.f.de.groot@vu.nl.

**Arthur Grimes**, Professor in Wellbeing and Public Policy, School of Government, Victoria University Wellington, arthur.grimes@vuw.ac.nz.

**Matthew Burke**, Professor, Deputy Director – Cities Research Institute, School of Engineering and Built Environment, Griffith University, m.burke@griffith.edu.au.

**Sally Stannard**, Acting Director-General, Department of Transport and Main Roads, Queensland State Government, sally.stannard@tmr.qld.gov.au.

## Awards

Jan Whitwell Prize – Best presented paper (PhD Student)

[New Zealand Association of Economists Annual Conference](#)

📅 July 2023

📍 Auckland, New Zealand

🔗 An urban overhead: Crime, agglomeration, and amenity

Statistics New Zealand Prize – Best use of official statistics

[New Zealand Association of Economists Annual Conference](#)

📅 July 2023

📍 Auckland, New Zealand

🔗 An urban overhead: Crime, agglomeration, and amenity

New Zealand Economic Policy Prize

[New Zealand Association of Economists Annual Conference](#)

📅 June 2022

📍 Wellington, New Zealand

🔗 Cities with forking paths? Agglomeration economies in New Zealand

Stata Prize for Excellence in Graphics Communications

[New Zealand Association of Economists Annual Conference](#)

📅 June 2022

📍 Wellington, New Zealand

🔗 Cities with forking paths? Agglomeration economies in New Zealand

## Academic Experience

Research Fellow

[Cities Research Institute, Griffith University](#)

📅 January 2023 – present

📍 Brisbane, Australia

I delivered two research reports for Griffith University's Cities Research Institute under the Transport Academic Partnership ("TAP") program with the Queensland Department of Transport and Main Roads.

Course Lecturer

[The Economics of Urbanisation, Vrije Universiteit Amsterdam](#)

📅 July 2018 – present

📍 Amsterdam, The Netherlands

Since 2018, I have led the development and delivery of urban economics short courses to academic and professional audiences in Amsterdam, Auckland, Brisbane, and—in December 2023—London. The purpose of these courses is to introduce participants to key urban economic concepts and consider their implications for policy. The Auckland, Brisbane, and London courses were run on a purely commercial basis and generated revenue in excess of \$90,000 AUD in 2023 alone.

Guest Lecturer

[Urban Economics 374, University of Auckland](#)

📅 2020 – 2022

📍 Auckland, New Zealand

Over a three-year period I delivered three guest lectures on 1) international trade / spatial economics, 2) inter-city location choice ("Rosen-Roback") model, and 3) the effects of accessibility and amenities on intra-city location choice.

Teaching Assistant

[Department of Spatial Economics, Vrije Universiteit Amsterdam](#)

📅 2020

📍 Amsterdam

I graded assignments on hedonic regression methods, residential sorting models, and spatial general equilibrium models for "Urban Economics: Challenges and Policy" and "Urban and Transport Economics".

## Right to Work

New Zealand Citizen

Australian Permanent Resident

## Software

R / RStudio



MATLAB



LaTeX



STATA



EViews



## Languages

English



Swedish



## Presentations, Conferences, and Workshops

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**Unravelling Urban Advantages—A Meta-analysis of Agglomeration Economies (forthcoming).** Location: Jönköping University, Sweden. Date: 8 December, 2023.

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**Push, Pull and Sort. The Urban Economy of the City.** Location: Auckland, New Zealand. Date: 3 July, 2023.

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**New Zealand Association of Economists Annual Conference.** Location: Auckland University of Technology, New Zealand. Date: 28–30 June, 2023.

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**Engineering New Zealand Transportation Group—Modelling User Group Annual Conference.** Location: Christchurch, New Zealand. Date: 12–13 September, 2022.

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**Economic Policy Centre—Housing Affordability and Urban Economics Research Workshop.** Location: University of Auckland, New Zealand. Date: 9 September, 2022.

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**New Zealand Association of Economists Annual Conference.** Location: Victoria University Wellington, New Zealand. Date: 29 June–1 July, 2022.

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**Australasian Transport Research Forum Annual Conference.** Location: Queensland Institute of Technology, Australia. Date: 8–10 December, 2021.

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## Review Services

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Xiaoyang Yu (2023). *Consumer Uptake and Preference Analysis for Mobility as a Service (MaaS)*. Masters thesis. Brisbane, Australia: Department of Engineering, Queensland University of Technology.

Richard I D Harris (2021). "The importance of spatial differences in total factor productivity: New Zealand, 2001–16". In: *Regional Studies* 55.7, pp. 1209–1227.

Jago Dodson, Carey Curtis, David Ashmore, Ian Woodcock, and Stephen Kovacs (2021). *Innovative responses to urban transportation: Current practice in Australian cities*. AHURI Final report 360. Australian Housing and Urban Research Institute.

Jago Dodson, Tiebei Li, Elizabeth Taylor, and Xavier Goldie (2020). *Commuting burden and housing affordability for low-income renters*. AHURI Final report 335. Australian Housing and Urban Research Institute.

## Selected Consulting Reports

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Peter Nunns, Elizabeth Whitaker, and Stuart Donovan (2019). *Social and distributional impacts of time and space-based road pricing*. Research Report 654. Wellington, New Zealand: New Zealand Transport Agency.

Stuart Donovan and Ian Munro (2013). *Impact of urban form on transport and economic outcomes*. Research Report 513. Wellington, New Zealand: New Zealand Transport Agency.

Julie Anne Genter, Stuart Donovan, Bruno Petrenas, and Hannah Badland (2008). *Valuing the health benefits of active transport modes*. Research Report 359. Wellington, New Zealand: New Zealand Transport Agency.

Stuart Donovan, Julie Anne Genter, Bruno Petrenas, Neil Mumby, Tim Hazledine, Todd Litman, et al. (2008). *Managing transport challenges when oil prices rise*. Research Report 357. Wellington, New Zealand: New Zealand Transport Agency.

## Industry Experience

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<b>Executive Consultant</b>	Veitch Lister Consulting	September 2021 – present	Brisbane
<b>Principal Consultant</b>	Veitch Lister Consulting	January 2018 – September 2021	Brisbane
<b>Principal Consultant</b>	MRCagney	October 2014 – December 2017	Brisbane
<b>Regional Manager</b>	MRCagney	September 2011 – September 2014	Auckland
<b>Consultant</b>	MRCagney	September 2007 – September 2011	Auckland
<b>Wind Engineer</b>	Mighty River Power	September 2006 – September 2007	Auckland

For further information on my industry experience, please refer to my LinkedIn profile.