

Curriculum Vitae: Dr Richard Fabling

POSTAL ADDRESS: 14 Halswater Drive
Churton Park
Wellington 6037
NEW ZEALAND

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WORK HISTORY

Self-employed
Independent Researcher 2011 – present

Statistics New Zealand
Contractor – Integrated Data 2011 – 2017
Seconded Researcher 2006 – 2011

Motu Economic and Public Policy Research
Senior Fellow (part-time) 2011 – 2015

Reserve Bank of New Zealand
Senior Adviser – Research 2007 – 2011

New Zealand Ministry of Economic Development
Chief Advisor – Economic Strategy 2005 – 2007
Senior Analyst – Economic Strategy 2002 – 2005

The New Zealand Treasury
Economic & Financial Analyst 2001 – 2002

Tokyo-Mitsubishi International plc
(Investment Bank, London, United Kingdom)
Economic Analyst 2000 – 2001

The New Zealand Treasury
Economic & Financial Analyst 1999 – 2000
Assistant Analyst 1998 – 1999
Trainee Analyst 1997 – 1998

University of Waikato
Applied Mathematics/Calculus Tutor (part-time) 1994 – 1997

Waikato Polytechnic
Mathematics Lecturer (part-time) 1994 – 1997

ACADEMIC HISTORY

1997 Doctor of Philosophy
Majoring in: Applied Mathematics (Magnetohydrodynamics)
University of Waikato, New Zealand

1993 Bachelor of Computing and Mathematical Sciences (First Class Honours)
Majoring in: Applied Mathematics
University of Waikato, New Zealand

ACADEMIC AWARDS

2017 Stats NZ prize for best use of official statistics (NZAE annual conference)
1994 – 1996 Doctoral Scholarship (University of Waikato)
1993 Honours and Masters Award (University of Waikato)
1989 Proxime Accessit (Hillcrest High School, Hamilton)

GRADUATE STUDENT RESEARCH ADVISER

Lynda Sanderson (PhD, Waikato University, 2008-2011)

PROFESSIONAL ASSOCIATIONS

Current: Stats NZ – Accredited Researcher; New Zealand Association of Economists – Member; American Economic Association – Member; Motu Economic & Public Policy Research – Affiliate; Comparative Analysis of Enterprise Data conferences – Scientific committee

Past: Foundation for Research, Science & Technology – investment advisory group (Sustaining New Zealand's Economic and Technological Advancement); Stats NZ advisory/stakeholder groups (Officials Committee; Longitudinal Research on Business Dynamics; Linked Employer-Employee Data; Business Operations Survey; Productivity Statistics; Tauranga Umanga Māori (Māori Business Statistics)); OECD – New Zealand representative WPIA (Working Party on Industrial Analysis) and NESTI (National Experts on Science and Technology Indicators)

COMPUTER SKILLS

Stata (Advanced), SQL (Advanced), Latex (Intermediate), Microsoft Office (Intermediate)

BOOKS AND CHAPTERS

[5] Fabling, Richard, Arthur Grimes and Levente Timar (2018) "Natural selection: Firm performance following the Canterbury earthquakes", in Resilience and Urban Disasters, Kamila Borsekova and Peter Nijkamp eds., Edward Elgar, forthcoming

[4] Fabling, Richard & David C Maré (2017) "Cyclical labour market adjustment in New Zealand: The response of firms to the Global Financial Crisis and its implications for workers", in Business Dynamics and Productivity, OECD: Paris, chapter 5, pp111-141, <http://dx.doi.org/10.1787/9789264269231-en>

[3] Maré, David C & Richard Fabling (2012) "Productivity and local workforce composition", in Geography, Institutions and Regional Economic Performance, Advances in Spatial Science Series, Riccardo Crescenzi and Marco Percoco eds., Springer: Berlin and New York, 59-76

[2] Fabling, Richard (2007) "How Innovative are New Zealand firms? Quantifying & relating organisational and marketing innovation to traditional science & technology indicators", in Science, Technology and Innovation Indicators in a Changing World: Responding to Policy Needs, OECD: Paris, chapter 9

[1] Fabling, Richard (1997) "Exact magnetic reconnection solutions in two and three dimensions", doctoral thesis, University of Waikato: Hamilton

JOURNAL ARTICLES

[25] Timar, Levente, Arthur Grimes & Richard Fabling (2018) "That Sinking Feeling: The Changing Price of Disaster Risk Following an Earthquake", *International Journal of Disaster Risk Reduction*, forthcoming

[24] Timar, Levente, Arthur Grimes & Richard Fabling (2018) "Before a fall: Impacts of earthquake regulation and building codes on the commercial building market", *Economics of Disasters and Climate Change*, forthcoming, <https://link.springer.com/article/10.1007/s41885-017-0019-9>

- [23] Maré, David C, Dean R Hyslop & Richard Fabling (2017) "Firm productivity growth and skill", *New Zealand Economic Papers* 51(3), 302-326
- [22] Fabling, Richard & David C Maré (2016) "Firm-level hiring difficulties: Persistence, business cycle and local labour market influences", *Journal of Labor Research* 37(2), 179-210
- [21] Fabling, Richard and Arthur Grimes (2015) "Over the Hedge: Do Exporters Practice Selective Hedging?", *Journal of Futures Markets* 35(4), 321-338
- [20] Fabling, Richard & Lynda Sanderson (2015) "Export performance, invoice currency, and heterogeneous exchange rate pass-through", *The World Economy* 38(2), 315-339
- [19] Fabling, Richard & Arthur Grimes (2014) "The "suite" smell of success: Complementary personnel practices and firm performance", *Industrial & Labor Relations Review* 67(4), 1095-1126
- [18] Fabling, Richard & Lynda Sanderson (2014) "Foreign acquisition and the performance of New Zealand firms", *New Zealand Economic Papers* 48(1), 1-20
- [17] Maré, David C, Richard Fabling & Steve Stillman (2014) "Innovation and the local workforce", *Papers in Regional Science*, 93(1), 183-201
- [16] Fabling, Richard & Lynda Sanderson (2013) "Exporting and performance: Market entry, investment and expansion", *Journal of International Economics* 89, 422-431
- [15] Fabling, Richard, Arthur Grimes & Lynda Sanderson (2013) "Any port in a storm: Impacts of new port infrastructure on exporter behaviour", *Transportation Research Part E* 49(1), 33-47
- [14] Fabling, Richard, Arthur Grimes & Lynda Sanderson (2012) "Whatever next? Export market choices of New Zealand firms", *Papers in Regional Science* 91(1), 137-159
- [13] Fabling, Richard, Arthur Grimes, & Philip Stevens (2012) "The relatives are fine: Use of qualitative firm data in economic analysis", *Applied Economics Letters* 19(7), 614-618
- [12] Fabling, Richard & Lynda Sanderson (2010) "Entrepreneurship and aggregate merchandise trade growth in New Zealand", *Journal of International Entrepreneurship* 8(2), 182-199
- [11] Fabling, Richard & Arthur Grimes (2010) "HR practices and New Zealand firm performance: What matters and who does it?", *International Journal of Human Resource Management* 21(4), 488-508
- [10] Fabling, Richard & Arthur Grimes (2010) "Cutting the hedge: Exporters' dynamic currency hedging behaviour", *Pacific-Basin Finance Journal* 18(3), 241-253
- [9] Crawford, Ron, Richard Fabling, Arthur Grimes & Nick Bonner (2007) "National R&D and patenting: Is New Zealand an outlier?", *New Zealand Economic Papers* 41(1), 69-90
- [8] Fabling, Richard & Arthur Grimes (2007) "Practice makes profit: Business practices and firm success", *Small Business Economics* 29(4), 383-399
- [7] Fabling, Richard & Arthur Grimes (2005) "Insolvency and economic development: Regional variation and adjustment", *Journal of Economics & Business* 57(4), 339-359
- [6] Craig, Ian, Richard Fabling, Jacob Heerikhuisen & Paul Watson (1999) "Magnetic reconnection solutions in the presence of multiple nulls", *The Astrophysical Journal* 523, 838-848
- [5] Craig, Ian & Richard Fabling (1998) "Dynamic magnetic reconnection in three space dimensions: Fan current solutions", *Physics of Plasmas* 5, 635-644, 1998
- [4] Craig, Ian, Richard Fabling & Paul Watson (1997) "The power output of spine and fan magnetic reconnection solutions", *The Astrophysical Journal* 485, 383-388

[3] Fabling, Richard & Ian Craig (1996) "Exact solutions for steady-state, planar, magnetic reconnection in an incompressible viscous plasma", *Physics of Plasmas* 3, 2243-2247

[2] Craig, Ian & Richard Fabling (1996) "Exact solutions for steady state, spine, and fan magnetic reconnection", *The Astrophysical Journal* 462, 969-976

[1] Craig, Ian, Richard Fabling, Stefan Henton & Graham Rickard (1995) "An exact solution for steady state magnetic reconnection in three dimensions", *The Astrophysical Journal Letters* 455, L197-L199

Australian Business Deans Council Journal Rankings (2016)

Total	A*	A	B	C	Unranked		
					Astrophysics	Natural disasters	Entrepreneurship
25	3	7	6	0	6	2	1

WORKING PAPERS

[23] Richard Fabling (2018) "Entrepreneurial beginnings: Transitions to self-employment and the creation of jobs", *MBIE Occasional Paper* forthcoming

[22] Sin, Isabelle, Steve Stillman & Richard Fabling (2017) "What drives the gender wage gap? Examining the roles of sorting, productivity differences, and discrimination", *IZA Discussion Paper* 10975

[21] Maré, David C, Trinh Le, Richard Fabling & Nathan Chappell (2017) "Productivity and the allocation of skills", *Motu Working Paper* 17-04

[20] Fabling, Richard & Arthur Grimes (2016) "Picking up speed: Does ultrafast broadband increase firm productivity?", *Motu Working Paper* 16-22

[19] Fabling, Richard, Arthur Grimes & Levente Timar (2016) "Labour market dynamics following a regional disaster", *Motu Working Paper* 16-07

[18] Fabling, Richard & Lynda Sanderson (2016) "A rough guide to New Zealand's Longitudinal Business Database (2nd edition)", *Motu Working Paper* 16-03

[17] Fabling, Richard & David C Maré (2015) "Addressing the absence of hours information in linked employer-employee data", *Motu Working Paper* 15-17

[16] Fabling, Richard & David C Maré (2015) "Production function estimation using New Zealand's Longitudinal Business Database", *Motu Working Paper* 15-15

[15] Apatov, Eyal, Richard Fabling, Adam Jaffe, Michele Morris & Matt Thirkettle (2015) "Agricultural productivity in New Zealand: First estimates from the Longitudinal Business Database", *Motu Working Paper* 15-13

[14] Fabling, Richard & Lynda Sanderson (2015) "Exchange rate fluctuations and the margins of exports", *Motu Working Paper* 15-05

[13] Fabling, Richard, Richard Kneller & Lynda Sanderson (2015) "The impact of tax changes on the short-run investment behaviour of New Zealand firms", *Motu Working Paper* 15-04

[12] Sin, Isabelle, Richard Fabling, Adam Jaffe, David C Maré & Lynda Sanderson (2014) "Exporting, Innovation and the Role of Immigrants", *Motu Working Paper* 14-15

[11] McLeod, Keith, Richard Fabling & David C Maré (2014) "Hiring New Ideas: International Migration and Firm Innovation in New Zealand", *Motu Working Paper* 14-14

[10] Maré, David C, Lynda Sanderson & Richard Fabling (2014) "Earnings and Employment in Foreign-owned Firms", *IZA Discussion Paper* 8541

- [9] Fabling, Richard, Norman Gemmell, Richard Kneller and Lynda Sanderson (2013) "Estimating Firm-Level Effective Marginal Tax Rates and the User Cost of Capital in New Zealand", *Motu Working Paper* 13-14
- [8] Maré, David C & Richard Fabling (2013) "The incidence and persistence of cyclical job loss in New Zealand", *IZA Discussion Paper* 7745
- [7] Fabling, Richard, Arthur Grimes & David C Maré (2012) "Performance pay systems and the gender wage gap", *Motu Working Paper* 12-13
- [6] Fabling, Richard (2011) "Keeping it together: Tracking firms in New Zealand's Longitudinal Business Database", *Motu Working Paper* 11-01
- [5] Fabling, Richard (2009) "A rough guide to New Zealand's Longitudinal Business Database", *Global COE Hi-Stat Discussion Paper* GD09-103
- [4] Fabling, Richard & Julia Gretton & Claire Powell (2008) "Developing the prototype Longitudinal Business Database: New Zealand's experience," *Statistics New Zealand: Wellington*
- [3] Fabling, Richard & Lynda Sanderson (2008) "Firm-level patterns in merchandise trade," *MED Occasional Paper* 08/03
- [2] Fabling, Richard, Arthur Grimes, Lynda Sanderson & Philip Stevens (2008) "Some rise by sin, and some by virtue fall: Firm dynamics, market structure and performance," *MED Occasional Paper* 08/01
- [1] Davis, Nick & Richard Fabling (2002) "Population ageing and the efficiency of fiscal policy in New Zealand", *New Zealand Treasury Working Paper* 02/11

WORK-IN-PROGRESS

- [1] "Competition & productivity" (plus labour & productivity dataset update) with Dave Maré
- [2] "Wage dispersion & the role of firms" with OECD-led cross-country team

RESEARCH GRANTS (ex GST)

(PI=Principal Investigator; AI=Associate Investigator)

2012

Marsden "Mind the gap? Worker productivity and pay gaps between similar workers in New Zealand" (AI, \$800,000 over 3 years)

Natural Hazards Research Platform "Economic responses to the Canterbury earthquakes: Evidence from labour and property markets" (co-PI, \$450,000 over 3 years)

MAJOR RESEARCH CONTRACTS (\$30K+, ex GST)

2017/18

Productivity Hub (Ministry of Business, Innovation & Employment) "Competition & productivity" (PI)

2016/17

Ministry of Business, Innovation & Employment "Entrepreneurship & job creation" (PI)

2015/16

Statistics New Zealand "LBD development & use expertise (2yrs)" (PI)

2014/15

Motu "Impact of ultra-fast broadband on firm location & performance" (PI)

New Zealand Treasury "Impact of tax changes on firm investment behaviour" (PI)

2013/14

Statistics New Zealand "LBD development & use expertise (2yrs)" (PI)

2012/13

Ministry for the Environment "Agricultural productivity & the environment" (PI)

Ministry of Business, Innovation & Employment "Skills shortages in New Zealand businesses" (PI)

2011/12

Statistics New Zealand "LBD development & use expertise (2yrs)" (PI)

New Zealand Productivity Commission "Microanalysis of import freight costs" (PI)

Ministry of Women's Affairs "Performance pay & the gender wage gap" (PI)

New Zealand Treasury "Exchange rates & exporter behaviour" (PI)

Department of Labour & OECD "Cyclical labour market adjustment" (AI)