



AUT CENTRE FOR SOCIAL DATA ANALYTICS

Using Integrated Data for Social Sector Policy & Practice

Monday 22 February, 10am to 5pm
MSD Auditorium, Level 3, Bowen State Building
Bowen Street, Wellington

The AUT Centre for Social Data Analytics is an economic and social research centre focusing on the topics of health care, children and families, and education. The Centre is co-directed by Tim Maloney and Rhema Vaithianathan.

9.45am to 10.00am: Coffee and Registration

10.00am to 10.15am: Opening Address: Dorothy Adams, Lead, Social Investment
Chair: Rhema Vaithianathan (AUT; Singapore Management University)

10.15am to 11.45am: Plenary Presentations
Chair: Tim Maloney (AUT)

- “Looking beyond linked administrative data: Big Data and linkage issues” (Julia Lane, Professor in the Wagner School, Center for Urban Science and Progress, and Provostial Fellow at New York University)
- “Ramblings from California: History and hopes about child welfare administrative data” (Barbara Needell, former Principal Investigator at the California Child Welfare Indicators Project, University of California Berkeley School of Social Welfare)
- “A vision of collaboration: NZ’s integrated data” (Evelyn Wareham, General Manager – Customer Support and Development, Statistics New Zealand).

11.45am to 12.30pm: Panel Discussion – Using integrated data to support social sector policy and practice: Opportunities and challenges

- Barbara Needell
- Erin Dalton (Allegheny County, PA USA)
- Julia Lane
- Tim Hughes (Ministry of Justice)
- Moderator: Rhema Vaithianathan (AUT; Singapore Management University)

12.30pm to 1.00pm: Lunch (light lunch provided)



AUT CENTRE FOR SOCIAL DATA ANALYTICS

1.00pm to 4.00pm: Presentations in Parallel Sessions (coffee on the run):

See attached schedule for times

- The value of safe data sharing (Emily Mason, Social Sector Change Programme)
- Justice and the Integrated Data Infrastructure - initial uses, future plans, and collaboration (Charles Sullivan, Ministry of Justice).
- New findings from 30 years of linked census-mortality data and future directions in Big Health Data (George Disney, University of Otago).
- The effect of education programmes for youth on labour market outcomes (David Earle, Ministry of Education).
- Implementing a data visualisation tool for the frontline in Allegheny County Pennsylvania (Nan Jiang, AUT).
- Using integrated administrative data to understand children at risk of poor outcomes as young adults (Robert Templeton, The Treasury).
- Using administrative data to better understand the financial consequences of marital separation among NZ parents - implications for child support and social assistance (Michael Fletcher, AUT).
- The impact of the Family Start home visiting programme on outcomes for children and mothers – a quasi-experimental study (Rhema Vaithianathan, AUT; Singapore Management University).
- Using Predictive Modelling with Administrative Data to Identify Poor Performers at University (Tim Maloney, AUT).
- Moving from an agency view of employment programme effectiveness to a sector wide view (Marc de Boer, Ministry of Social Development).
- Using integrated payroll and tax data (Peer Skov, AUT).
- The employment and income effects of eight chronic health conditions (Sylvia Dixon, The Treasury).

4.00pm to 4.30pm: Reflections and Close

To register, or for further information please email Larissa Lorimer, Research Assistant, Department of Economics, AUT at larissa.lorimer@aut.ac.nz



**MINISTRY OF SOCIAL
DEVELOPMENT**
TE MANATŪ WHAKAHIATO ORA

AUT



AUT CENTRE FOR SOCIAL DATA ANALYTICS

Tim Maloney: Tim is a Professor and Head of the Department of Economics at Auckland University of Technology. His research areas include Labour Economics, Econometrics and Public Policy. Tim's previous appointments include positions in the Economics Departments of the University of Missouri, Bowdoin College and the University of Auckland.

Rhema Vaithianan: Rhema is a Professor at Auckland University of Technology and is also a Senior Research Fellow in the School of Economics at Singapore Management University. She is widely published in the research areas of Health and Development Economics and Applied Microeconomics. She has also been a policy analyst for the New Zealand Treasury, and was a Harkness Fellow at Harvard.

Nan Jiang: Nan is a Senior Lecturer in Economics Department at Auckland University of Technology. Her research areas include Productivity and Efficiency analysis, Predictive Risk Modelling, Applied Microeconomics, and Agricultural and Resource Economics. She gained her PhD in Economics from the University of Auckland, where she was the first to apply econometric techniques to evaluate the efficiency of New Zealand dairy farming.

Peer Skov: From July 2016 Peer is a Lecturer in Economics at Auckland University of Technology. He is also a Research Fellow at the Economic Policy Research Unit at the University of Copenhagen and at New Zealand Public Finance at Victoria University of Wellington. Peer's main research focus is on tax policy from an empirical perspective, but he has also published research in criminology.

Michael Fletcher: Michael is a Senior Researcher with The Policy Observatory at Auckland University of Technology. His current research interests centre on the financial consequences of divorce and separation, and social security, family assistance and child support policies.

Getting Started with the Statistics NZ Integrated Data Infrastructure (IDI)

On Tuesday 23 February, Statistics New Zealand will host a session introducing the IDI.

The session will provide new and prospective users with a guide to:

- The different administrative and survey data sets currently included in the IDI
- Data linkage methods
- User experience with IDI data
- Data access and confidentiality requirements
- Working in the Statistics New Zealand Data Lab.

Time: 9:30am to 12:00pm or 1:00pm to 3:30pm

Venue: Statistics House, The Boulevard Harbour Quays, Wellington

To enrol for the session, please email: access2microdata@stats.govt.nz and let us know your preferred session time: 9:30am to 12:00pm or 1:00pm to 3:30pm





AUT CENTRE FOR SOCIAL DATA ANALYTICS

Time	Wakatipu Room	Bowen Auditorium
1.00pm to 1.25pm	Emily Mason (Social Sector Change Programme) <i>The value of safe data sharing</i>	Rhema Vaithianathan (AUT) <i>The impact of the Family Start home visiting programme on outcomes for children and mothers – a quasi-experimental study</i>
1.30pm to 1.55pm	Peer Skov (AUT) <i>Using integrated payroll and tax data</i>	George Disney (University of Otago) <i>New findings from 30 years of linked census-mortality data and future directions in Big Health Data</i>
2.00pm to 2.25pm	Tim Maloney (AUT) <i>Using Predictive Modelling with Administrative Data to Identify Poor Performers at University</i>	Robert Templeton (Treasury) <i>Using integrated administrative data to understand children at risk of poor outcomes as young adults</i>
2.30pm to 2.55pm	Marc de Boer (Ministry of Social Development) <i>Moving from an agency view of employment programme effectiveness to a sector wide view</i>	Michael Fletcher (AUT) <i>Using administrative data to better understand the financial consequences of marital separation among NZ parents - implications for Child Support and social assistance</i>
3.00pm to 3.25pm	Nan Jiang (AUT) <i>Implementing a data visualisation tool for the frontline in Allegheny County Pennsylvania</i>	David Earle (Ministry of Education) <i>The effect of education programmes for youth on labour market outcomes</i>
3.30pm to 3.55pm	Charles Sullivan (Ministry of Justice) <i>Justice and the Integrated Data Infrastructure - initial uses, future plans, and collaboration</i>	Sylvia Dixon (Treasury) <i>The employment and income effects of eight chronic health conditions</i>

