Evaluating policy-relevant questions using existing data

COMPASS Research Centre

10th Research Colloquium
Statistics NZ, Conference Room
1 August 2016
10.15 Introduction to COMPASS  
   – Barry Milne

10.30 A knowledge laboratory of the early life course  
   – Barry Milne

11.15 Suicide Postvention: Support for Pacific Communities  
   – Jemaima Tiatia-Seath & Roy Lay-Yee

12.00 The role of measurement invariance in measures of mental health  
   – Nichola Shackleton

12.30 LUNCH BREAK

13.15 Life-course predictors of mortality inequalities  
   – Liza Bolton

14.00 COMPASS projects using IDI data  
   – Barry Milne

14.45 CONCLUSION
What is COMPASS?

- 2000 – Social Science Research Group
- 2008 – COMPASS formed
  - Centre of Methods and Policy Application in the Social Sciences
- The team
  - Director: Peter Davis
  - Associate Director: Barry Milne
  - Senior Research Fellow: Roy Lay-Yee
  - Research Fellow: Nichola Shackleton
  - Data Analysts: Jessica McLay, Martin von Randow, Kevin Chang
  - Students: Liza Bolton, Justin Gunter, Vannah Cruz
  - Research management: Gerry Cotterell
  - Admin/other: Lara Greaves
What does Compass do? 
The point(s) of COMPASS
What does Compass do?
The point(s) of COMPASS

Micro-simulation
Microsimulation

- **2005-2008** PCASO (HRC)
- **2009-2012** BCASO (HRC)
- **2009-2013** MELC (FRST)
- **2013-2016** Knowledge Lab (MBIE)
- **2015-2017** Social Laboratory (RSNZ)
What does Compass do? The point(s) of COMPASS

Micro-simulation

Whole population data analysis
Data Analysis

- **2002-2007** Family-Whanau Wellbeing (MBIE)
- **2008-2011** Enhancing Hospital Outcomes (HRC)
- **2014-2017** Life-course mortality (HRC)
- **2016-2024** Better Start NSC (MBIE)
What does Compass do?
The point(s) of COMPASS

- Micro-simulation
- Whole population data analysis
- Quantitative training
Quantitative training

- Training Courses
  - NZSSN, since 2005 (Wgtn Nov 2016; Auck Feb 2017)

- Taught courses
  - 2-3 postgrad courses (Stats, PolSci)

- Students
  - PhD student
  - 1-3 Postgraduate students
  - 2-3 Summer Students
What does Compass do? The point(s) of COMPASS

- Micro-simulation
- Surveys
- Whole population data analysis
- Quantitative training
Surveys

- International Social Survey Programme (ISSP)
  - 2013 – National Identity
  - 2014 – Citizenship
  - 2015 – Work
  - 2016 – Role of Government
  - 2017 – Social Networks
  - 2018 – Religion

- New Zealand Election Survey
  - 2011, 2014, 2017

- Others
  - Ngāti Whātua Ōrākei Survey 2013
  - Pacific Suicide Postvention Survey 2015
What does Compass do? The point(s) of COMPASS

- Micro-simulation
- Surveys
- Whole population data analysis
- Quantitative training
- Promoting Social Science
What does Compass do?
The point(s) of COMPASS

- Surveys
- Micro-simulation
- Quantitative training
- Whole population data analysis

Promoting Social Science
- Seminar Series
What does Compass do?
The point(s) of COMPASS

Micro-simulation
Promoting Social Science

Surveys
Quantitative training

Whole population data analysis

Collaborations
What does Compass do? The point(s) of COMPASS

- Micro-simulation
- Whole population data analysis
- Surveys
- Quantitative training
- Promoting Social Science

Collaborations:
- Ngai Tahu
- Starpath
- Pacific Aid
- Suicide Postvention
What does Compass do? The point(s) of COMPASS

- Surveys
- Collaborations
- Longitudinal data
- Micro-simulation
- Promoting Social Science
- Quantitative training
- Whole population data analysis
What does Compass do?
The point(s) of COMPASS

- Longitudinal data
  - NZLC
  - Dun/ChCH/PIFS
  - BCS/MCS

Surveys

Micro-simulation

Promoting Social Science

Quantitative training

Whole population data analysis

Collaborations
What does Compass do?
The point(s) of COMPASS

- Micro-simulation
- Whole population data analysis
- Longitudinal data
- Surveys
- Collaborations
- Quantitative training
- Promoting Social Science
- Policy engagement
What does Compass do? The point(s) of COMPASS

- Micro-simulation
- Promoting Social Science
- Quantitative training
- Policy engagement
  - MOH, MSD, MOE, MOJ, OCC, TPK, SuPERU, ACC
- Longitudinal data
- Surveys
- Whole population data analysis
- Collaborations
What does Compass do? The point(s) of COMPASS

- Longitudinal data
- Surveys
- Collaborations
- Whole population data analysis
- Micro-simulation
- Quantitative training
- Promoting Social Science
- Policy engagement
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