

Co-designing a data literacy fellows programme to deliver the SDGs: building on Q-Step UK

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Montreal

15 September · Instagram · 15

Casual Friday at work 😊



Thanks to Jackie's programme I now travel across continents to present my research and have prepared data for audiences as far reaching as: The World Economic Forum, The United Nations, The White House Office of Science & Technology Policy and the European Parliament.

*Anna Kiel, Data Fellow,
2013/4*

Outline of presentation

- Our research
- Our data literacy expertise
- Our data literacy fellows programme: Q-Step
- Next steps in Latin America: EmpoderaData

Our research: quantitative social science

The screenshot shows the homepage of the Cathie Marsh Institute for Social Research (CMI). At the top left is the University of Manchester logo with the text "MANCHESTER 1824" and "The University of Manchester". To the right is a search icon. Below the logo, the text "Cathie Marsh Institute for Social Research (CMI)" is displayed. A navigation bar below features links for "Home", "Research", "Study", "Connect", and "About". The main content area has a dark background with a portrait of a woman on the right. A white callout box on the left contains the text "About CMI" and "Leading the Way in quantitative social science", with a blue "Find out more" button at the bottom.



Data, Skills and Training

Focusing on developing a research agenda around data, skills and training, with an emphasis on statistical and data literacy.

Our publications and outreach

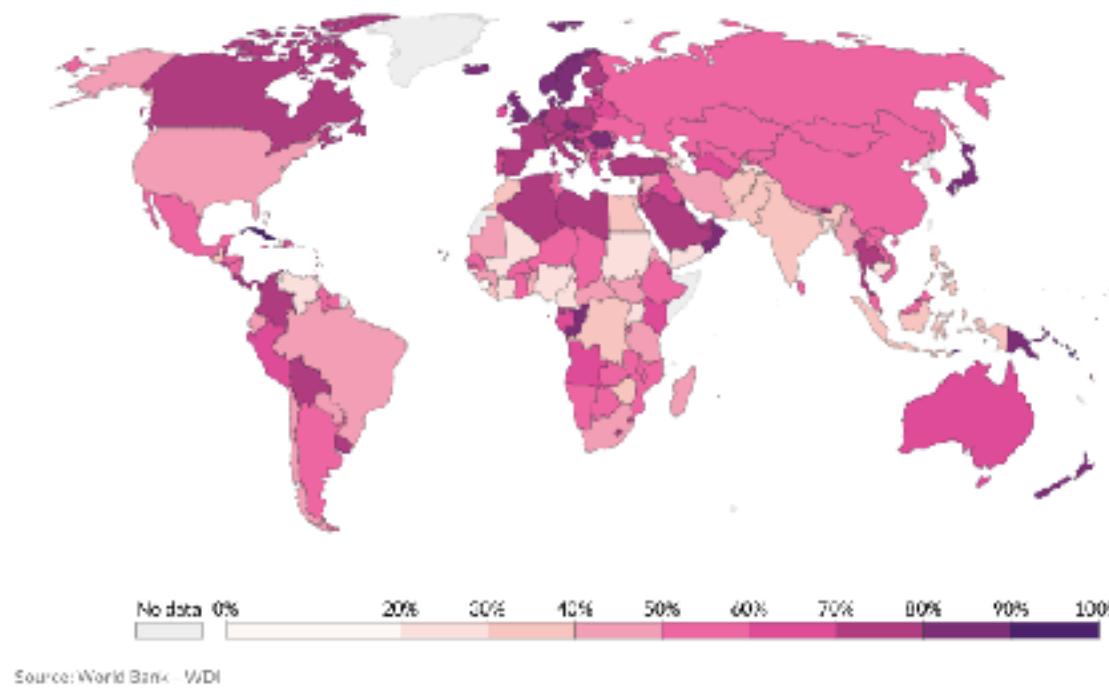
- More than 100 presentations in statistical and data conferences and data training events in the UK and internationally
- *'Internships, work-placements and applied research'* (Carter: forthcoming 2019)
- Statistical and data literacy in practice: a case study from the UK Data-Pop Alliance workshop Nov 2018, Boston US

Our data literacy expertise

- Undergraduate and postgraduate university students and social researchers

- How to
 - Critically evaluate social data
 - Use and analyse
 - Interpret and present
 -

Public expenditure on healthcare as percent of total healthcare expenditure, 2014



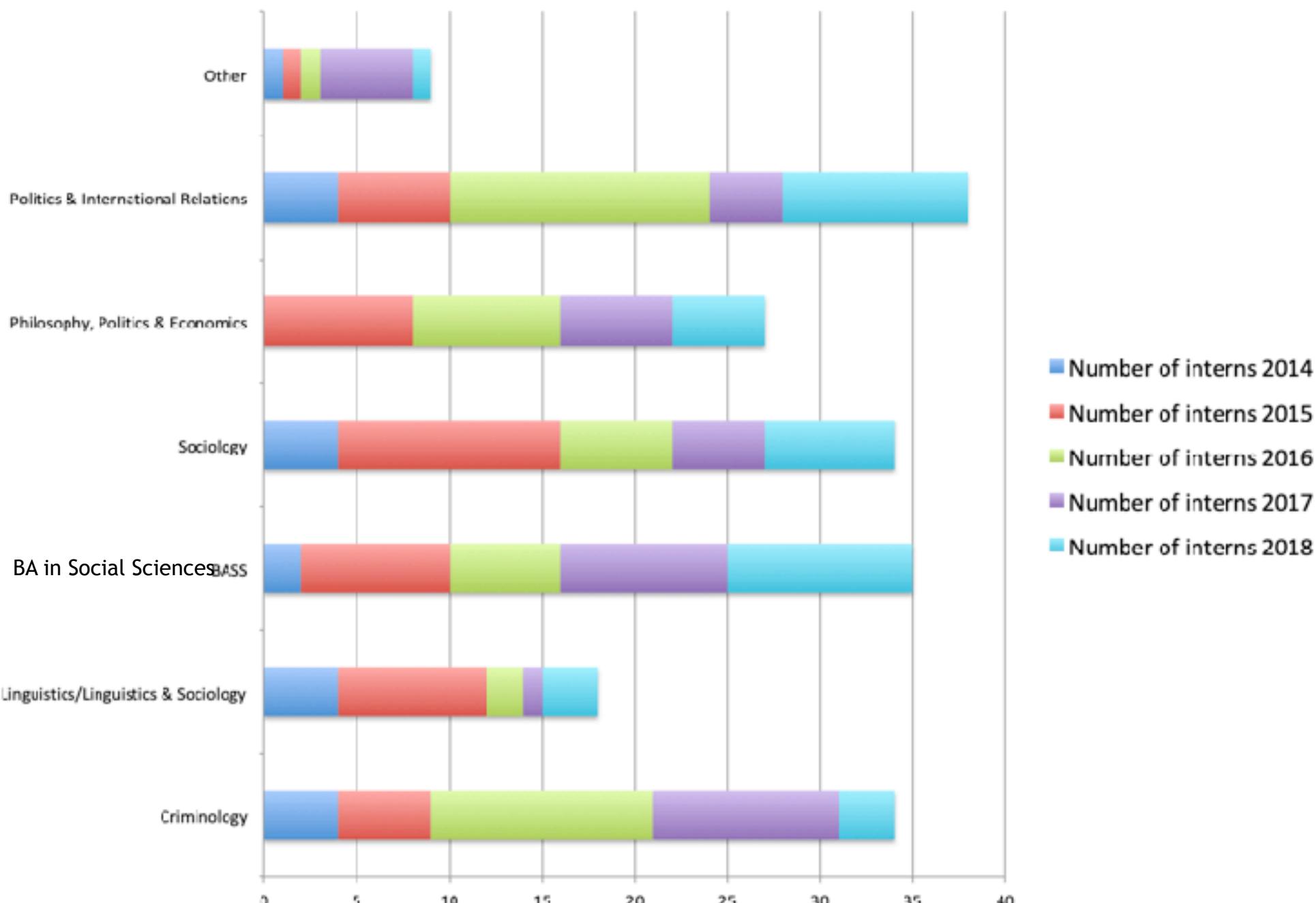
What is Q-Step?

- Q-Step is ‘Quantitative **Step**-change Programme’ in the UK
- Designed to teach social science undergraduate students data literacy and statistical skills
- Students follow courses in introductory statistics
- Then have the opportunity to practice data analysis in an organisation
- See www.manchester.ac.uk/q-step/

Our data literacy fellows programme: Q-Step paid internships

- Now into its 6th year
- 210 students have been interns
- 60+ organisations public, private and voluntary sectors have hosted our interns
- 8-week long **data-driven, research-led project** hosted by a social research organisation
- Interns are paid

Q-Step interns by degree subject and year



Case study 1: Open Data Watch (based in Washington DC) 2018 and 2019

Prof Jackie Carter @JackieCarter · Sep 6

Wonderful panel at #rss2018conf yesterday talking all things #SDGs #gender
#data #statistical #literacies #qstep with @OpenDataWatch @UoMQStep
@officialwiasn @OfficialUoM and @ons



2019

- BRIDGING THE GENDER DATA GAP
- Find the gaps, identify solutions to the gaps, communicate the gaps to policy audiences
- OPEN DATA FOR THE SDGs
- Create an assessment methodology for the use of open microdata for the SDGs

Case study 2: Department for International Development DFID (UK-based) 2015 to 2019

2015

- MAPPING OF OFFICIAL DEVELOPMENT ASSISTANCE (ODA)

2016

- UK MULTILATERAL ODA
- INTERNATIONAL DEVELOPMENT STATISTICS

2017

- FINANCE AND PERFORMANCE
- INCLUSIVE SOCIETIES

2018

- QUALITY OF UK AID SPENDING

2019

- DFID NEPAL: VISUALISING SDGs
- DFID SYRIA: VISUALISING HUMANITARIAN DATA
- DFID SYRIA: HUMANITARIAN CODING



Limpouei aData: a pilot research project

- April-Sept 2019
- Funded by the Global Challenges Research Fund (GCRF) Research Partner Development scheme
- Co-designed and conducted by a University of Manchester and Data-Pop Alliance partnership
- 3 pilot countries: Brazil, Colombia and Mexico



EmpoderaData: aims

To support the delivery of the SDGs

1. Baseline data literacy skills in Brazil, Colombia and Mexico
2. Explore models for data literacy fellowships within the 3 countries, learning from Q-Step UK



1. Baseline data literacy skills

- Interviews (in person or virtual) with 3-4 key people in each country
- Research questions:
 - Current data literacy training?
 - Any gaps?
 - How to address the gaps?



2. Explore models for data literacy fellowships

- We look forward to discussions in the Data Literacy workshops 1 and 2 to explore the models for data literacy fellows
- Interviews will also explore this



Outputs and next steps

- June-August: 3 short reports on data literacy skills and scope for data literacy fellowships (in Brazil, Colombia and Mexico)
- September: workshop (Manchester, UK) with key stakeholders and potential partners to present and discuss research results and future large grant proposal



Acknowledgements

- University of Manchester GCRF funding and funding for Q-Step internships
- Nuffield Foundation, Economic and Social Research Council funding for Q-Step Programme
- Data-Pop Alliance
- FGV for organizing and hosting the workshop