Tell me and I forget, teach me and I remember, involve me and Hearn

Paid internships: quantitative skills from the classroom to the workplace



@UoMQStep @JackieCarter

Q-Step paid (living wage) internships

- All studied introductory statistics modules
- Politics & International Relations, PPE, Sociology, Criminology, Linguistics
- New degrees BA Social Science "with QM"
- 8-weeks long workplacements, summer of 2nd year

- 190 students in 5 years
- 4 international in 2018
- Public, private, voluntary sector
 - A data-driven, research project
- Don't assess, celebrate

Where do they go?





new economy















The University of Manchester



Home Office







AUDIENCE NET





















& RESEARCH

FOUNDATION









Department for International Development



National Offender Management Service













Ministry l of Justice







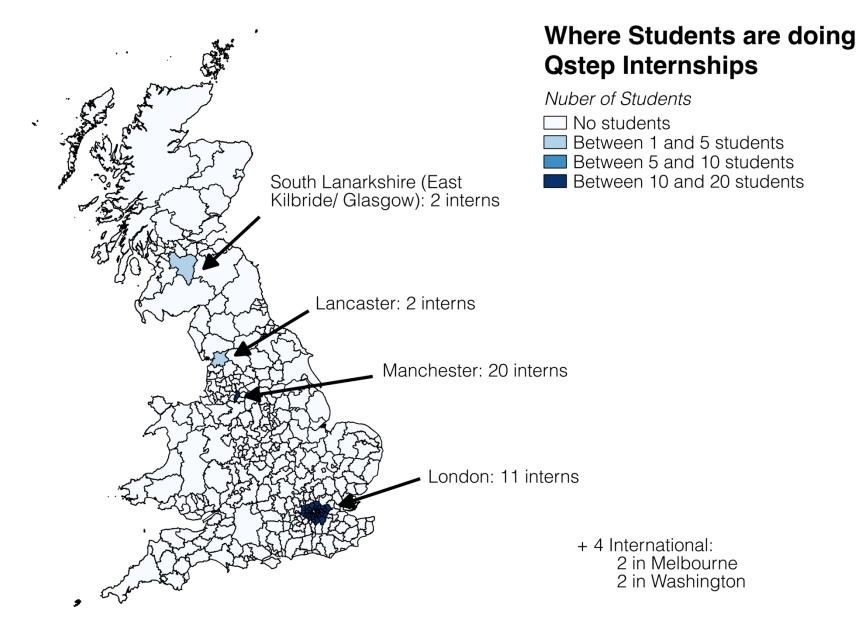
RESPECT Trinity Mirror plc











What do they do?

What do they do next?

2016 stories

Read about the experiences of our students who took part in a Q-Step paid summer internship. Each student's name links to a PDF with more detailed information relating to their internship.

- Aaliyah Al-Agel (Politics and International Relations) spent her internship looking at datasets of the British Election Survey.
- Adrian Almassan (Law with Criminology) spent his internship at the Tyndall Centre looking at trend and drivers of end-use energy demand and the implications for managing energy in food supply chain.
- Fernanda de Almeida Araujo (Politics, Philosophy and Economics) spent 8 weeks at Audiencenet USA producing reports using consumer profile information in the USA and UK.
- Kirstie Ashman (Criminology) and Heidi Mitchell (Politics) worked at Starting Point to find out whether the classes held impacted upon learners of safety and/or their health and wellbeing.

 Jiaqin Lin (Linguistics and Sociology) carried out a postcode analysis of Pantomime Customers for Oldham Coliseum Theatre Nathaniel Lusty (Philosophy and Politics) analysed data for a piece for Times Redbox with The Times

Ryan Khurana (Philosophy) worked on Royal College Data for the General Medical Council.

Lara Johnstone (Criminology) identified what the reasonable predictors of social isolation amongst

older people are at Age UK.

- and Sunday Times.
- Guste Matuleviciute (Philosophy, Politics and Economics) undertook an internship in collaboration with the University of Manchester and Rochdale Borough Council focusing on the British Kashmiri population in Rochdale.
- James Montgomery (Politics and International Relations) analysed Domestic Migration in greater Manchester with New Economy.
- Robyn Moor (Criminology) spent her internship working in the Crime and Policing Analysis Unit at the Home Office.
- Joseph Needham (Sociology) investigated how Tableau could be used to visualise the Statistics on International Development dataset at the Department of International Development in Whitehall.
- Cody (VCoppor (Sociology) analysed Corporate Social Responsibility and Consumer Behaviour at

ce in London with

Together Trust

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nalysis at the

ce at One

- Sophie Atherton (Socia University of Manchesi
- Maham Azam ((Politics Trafford with Trafford
- Einass Bakhiet (Politics Engagement of Millenr
- Jashan Bhullar (Politics Public Attitudes Tracke
- Jose Maria Campos Ne Performance and Intel
- Leo Carella (Politics ar the State of the North

step/student-stories/

Student stories at

- Jesse Coleman (Politics and Philosophy) worked with the Political and Social Research Team at YouGov in London.
- Camille Corti-Georgiou (Politics and International Relations) spent her internship at EWERC at the Alliance Manchester Business School.
- David Dobson (BASS Sociology) looked at ageing, attitudes and sexual concerns at CMIST.
- Christopher Fox (Politics, Philosophy and Economics) worked at BBC North West Tonight looking at research into homelessness, and NHS trust financial accounts.
- Mirjana Gavrilovic Nilsson (Criminology) was an intern for the Centre for Criminology and Criminal Justice at the University of Manchester analysing how drug sellers and buyers on online drug cryptomarkets perceive the risk of detection.
- Lydia Girling (Sociology) spent her internship looking at Post-16 Education Funding at the Education Funding Agency.
- Lily Graham (Sociology) analysed the experiences and perceptions of young people toward employment and career progression with the RECLAIM project.
- Tisha Harriott (Criminology) analysed and compiled data on the services available at the Pankhurst Trust Domestic Abuse Project.
- Firman Hassan (Politics, Philosophy and Economics) evaluated the benefits of a new quantitative research approach Affinity Sutton Housing were using.

http://www.manchester.ac.uk/q-

Kayla Shu Chee (Criminology) did an analysis if the Respect phoneline and Men's Advice line data.

 Calum Simmons (Politics and International Relations) worked at new Economy analysing Greater Manchester/North West Economic Trends

- Elizabeth Smith (Criminology) worked on honour based abuse with Greater Manchester Police.
- Joanna Sweeney (Politics and International Relations) spent her internship with the Reputation team at YouGov.
- Sherita Tam (Sociology) examined the changing patterns of ethnic inequalities in older people's health in the UK with CoDE.
- Becky Tolliday (Politics and Sociology) spent her internship at the Department for Education analysing and researching Children's Services.
- Viktoriya Trifonova (Social Anthropology and Criminology) completed an internship with the British National Surveys of Sexual Attitudes and Lifestyles.
- Jeanmiguel Uva (Politics and International Relations) considerably improved his SPSS skills becoming fully proficient whilst also learning how to write syntax code at IPSOS MORI.
- . Hannah Watts (Criminology) spent her internship at the Home Office analysing the factors that increase the likelihood of violence against child victims.
- Natascha Woolliams (Criminology) spent 8 weeks with the Home Office within the Crime and

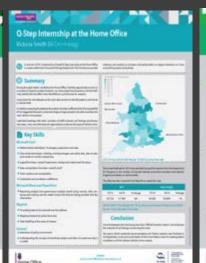
Government Departments Home Office, DFID, FSA, DfE, College of Policing













5 students, 5 summers, 5 stories

- Sociology (or Sociology with ...)
- Politics and International Relations
- Politics, Philosophy and Economics
- Criminology
- English Language and Linguistics

Sociology

Natassia Leefe

Summer 2014

UCL

Black, K., Geary, R., French, R., Leefe, N., Mercer, C., Glasier, A., Macdowall, W., Gibson, L., Datta, J., Palmer, M., et al (2016). Trends in the use of emergency contraception in Britain: evidence from the second and third National Surveys of Sexual Attitudes and Lifestyles. *BJOG*, 123(10), 1600-1607.

"http://dx.doi.org/10.1111/1471-0528.14131"

Tweetable abstract

Despite pharmacy access, only a small rise in emergency contraception use has been seen in Britain over 10 years.

Sociology

- MSc in Social Research Methods and Statistics
- Academic year 15/16
- "... without the internship I wouldn't have had a dissertation"
- "The Q-Step project had everything to do with me choosing to do a master's in social research methods and statistics."



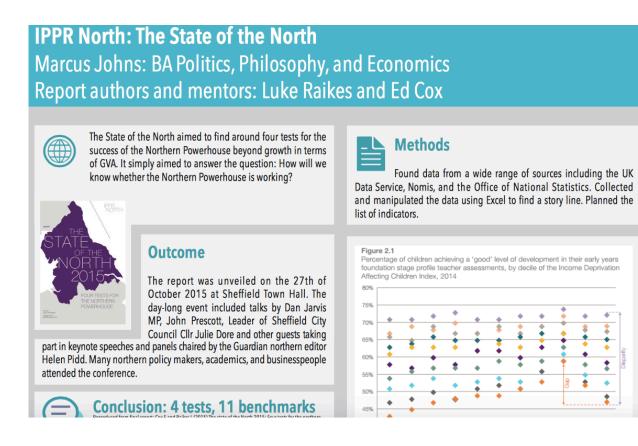
Natassia Leefe • 1st
Research Analyst at GlobalWebIndex
London, United Kingdom

Politics, Philosophy and Economics

Marcus Johns

• Summer 2015

IPPR North



North-South divide hits young children as early as five - IPPR North report

Less than half of children born into the poorest families in the North reach a good standard of dovolonment by the time they are five years' old, according to Northern children 'too often left behind', says commissioner

© 26 March 2018

The poorest children London, in a stark 'ea good level of develop point head start, whe

In its annual State of successful northern e of their lives, starting

Closing the gap in ear Northern Powerhouse

The report also found

55 per cent of young

and Maths- but this for

Too many children growing up in the north of England are facing the double disadvantage of entrenched deprivation and poor schools, a report warns.

England's Children's Commissioner Anne Longfield says children from poorer homes face an education gap that starts before school and widens over time.

including English ool meals.

Share into poverty in ne North achieve a 2 percentage

> create a back at all stages

ch progress of the in the North.

GETTY IMAGES The government says its Northern Powerhouse programme is investing billions to boost

• The North's productivity trails the national average by 10.6 per cent. The report says the North needs to halve the productivity gap between itself and the UK as a whole, rising by £8.50 per hour



Marcus Johns • 1st Economic Consultant at Regeneris Consulting Manchester, United Kingdom



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Marcus Johns

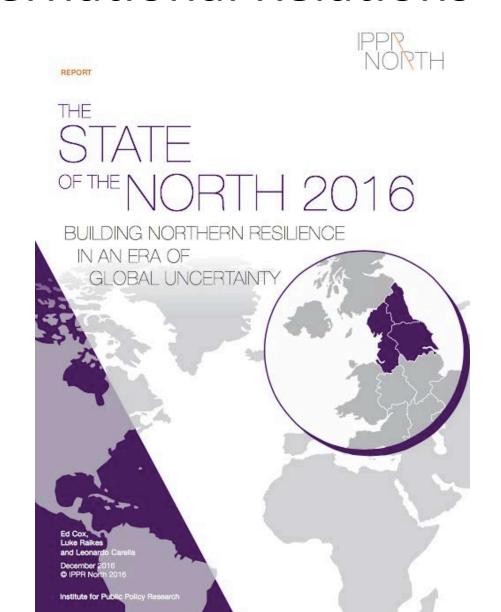
@CllrMarcus

Politics and International Relations

Leo Carella

• Summer 2016

Also IPPR North



Politics and International Relations

Overall Winner (across all Q-Step subjects)

- Winner: Leonardo Carella (BSocSc Politics and International Relations)
- Dissertation title: Who are the 'Left Behind'? The status stratification of UKIP support
- Supervisor: Professor Colin Talbot

Professor Rob Ford:

The tailored support provided by the Q-Step programme helped an excellent student with little statistical experience develop his ideas into an outstanding piece of original research.

I'm still working with him on turning the dissertation into a journal paper.

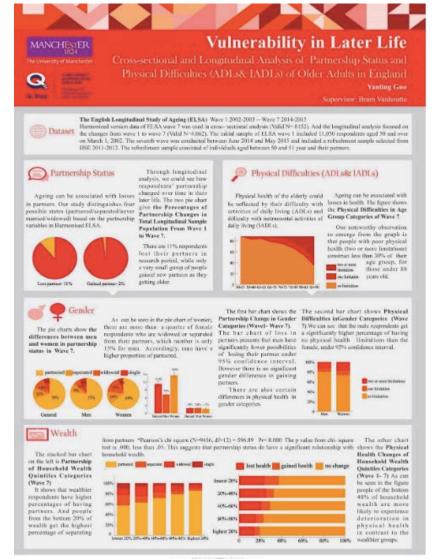


Sociology and Linguistics

Yanling Guo

Summer 2017

ELSA research



Carbo Marchaster
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The result to resilience: A compositive life copes enaly

Sociology and Linguistics

As the internship raised my interest of adverse events in later life, I decided to carry on this topic in my final year sociology dissertation. China's "one-child policy" lasted over 30 years until 2015, so that the families losing their only child led to many social problems—and mostly the parents were elderly people.... I also chose a quantitative module about demographic data analysis in my last year to help me with the analysis.

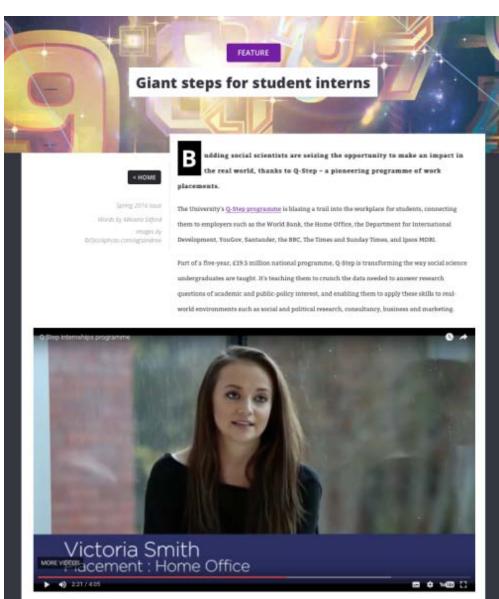
I considered undertaking a role in academia after graduation. Through the internship, I experienced the researchers' work in certain ways. This way of working contained constant thinking, but also meaningful discussion with others. My idea of applying for a higher degree was confirmed and programmes related to quantitative research methods were all open for my choice.

Criminology

Victoria Smith

Summer 2015

Home Office –
 Crime and Policy
 Unit



Criminology

- First class degree
- UK Data Service
 Dissertation Prize
- MRes Criminology (Social Statistics)
- Home Office part-time statistical officer
- Research officer Sept 2017
- Q-Step mentor for 2018

Provisional title for project: Analysis to support further work on police reform

Abstract:

This project will focus on analysing data on the police service to help shape understanding of the changing demands they face, and ultimately supporting departmental work on police reform.

Analysis could focus on: analysing record level data on police.uk on the distribution of stops / searches; analysing data to better understand demands on the police (e,g. crime incidents, non-crime incidents, mental health, investigative pressures); providing analysis on specific aspects of police efficiency and effectiveness (e.g. the introduction of mobile working) - although the precise focus of the placement will be decided nearer the time.

Data sources: police.uk data; police recorded crime and incident data; police outcomes data; Crime Survey for England and Wales; Police Powers and Procedures data.

Key words: Policing and police resources; Stop and search; Demands on the police; Mental health incidents; Investigations; crime outcomes; police effectiveness.

Anna – the one that nearly got away

Manchester Q-Step student datacrunches her way to a job

02 Sep 2015

Anna Kiel will join London-based Audiencenet after impressing them during a second year work placement with The University's innovative, data-driven Q-Step programme.



The University of Manchester's Q-Step programme of paid internships has seen its first permanent job



Royal Statistical Society

Getting down and dirty with data how Q-Step Centres are training students in the workplace Q-Step

Challenges and Opportunities

- How to assess and evaluate?
- 'with QM' degrees range of skills
- Who pays?
 £3,000 per student, per summer
- Equality of access?

- Creative 'assessment'
- Pay it forward
- Curriculum design and advanced QM
- Co-funding, Industrial Strategy Challenge Fund? University (TEF)
- Opening doors

Contact details

- Prof Jackie Carter j.carter@manchester.ac.uk
- @JackieCarter
- @UoMQStep
- www.manchester.ac.uk/q-step/
- Work placements, internships and applied research (Carter, Sage, forthcoming (2019))