

Francesco Bailo

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Education

Doctor of Philosophy

DEPARTMENT OF GOVERNMENT AND INTERNATIONAL RELATIONS, THE UNIVERSITY OF SYDNEY

Sydney, Australia

Jul 2013 - Aug 2017

- Research into online participation and deliberation in political web platforms through network analysis.
- Collection of unstructured and semi-structured data through web crawling and APIs (PHP and Python).
- Data storage, cleaning and querying (Python, R, SQL).
- Statistical analysis and Natural language processing (R).
- Data visualisation (R) and interactive visualisation (D3.js). [Link: bit.ly/2Dr6pBp]
- Design of website for online survey (PHP and MySQL).

Advanced Diploma in Data and Systems Analysis

UNIVERSITY OF OXFORD

Oxford, UK

Oct 2012 - Sep 2013

- System lifecycle and management.
- Systems analysis and design: Data driven and procedural techniques.
- Data organisation.

Master of Science in Public Policy and Sustainable Development

MAASTRICHT GRADUATE SCHOOL OF GOVERNANCE, MAASTRICHT UNIVERSITY

Maastricht, The Netherlands

Feb 2010 - Jan 2011

- Governance, politics and Policy.
- Risk and uncertainty.
- Public policy analysis.
- Integrated assessment.

Master of Arts in Economics, Politics and International Institutions

UNIVERSITY OF PAVIA

Pavia, Italy

Jan 2005 - Apr 2008

Bachelor Degree in International Studies

UNIVERSITY OF TURIN

Turin, Italy

Oct 2001 - Dec 2004

Research

Department of Media and Communications, the University of Sydney

POSTDOCTORAL FELLOW IN DIGITAL MEDIA METHODS

Sydney, Australia

From Jan 2018

- Research on the political impacts of Internet technologies with the application of quantitative and digital methods.
- Writing academic grants and papers.
- Organising and delivering training in digital methods.
- Designing online interactive applications for visually displaying quantitative and geographic information (R Shiny). [Link: bit.ly/2QVg7P5]

Cambodia Development Resource Institute (CDRI)

CONSULTANT IN THE DESIGN AND DELIVERY OF PUBLIC OPINION SURVEY

Phnom Penh, Cambodia

Aug 2017 - Jan 2018

- Design of public opinion survey with stratified multistage sampling on online political participation.
- Definition of sampling frame, sampling methodology, and questionnaire.
- Organisation and delivery of training activities for local staff.

Prof. Paul Fawcett and Dr Michael Jensen, the University of Canberra

RESEARCH ASSISTANT

Canberra, Australia

Aug 2015 - Sep 2017

- Collection and storage of structured (via Twitter and Facebook APIs) and unstructured web data (Python, SQLite, OpenStack cloud computing).
- Data analysis and Natural language processing (R).
- Development of web tools for text coding.
- Writing research paper.

Prof. Rodney Smith, the University of Sydney

RESEARCH ASSISTANT

- Database management and statistical analysis of survey responses (R, SPSS).
- Reporting (LaTeX/knitr).
- Setup of online file sharing system for research team (AARNet's CloudStor).

Sydney, Australia

Aug 2015 - Apr 2016

Prof. Benjamin E. Goldsmith, the University of Sydney / Australian National University

RESEARCH ASSISTANT

- Data and network analysis (R and STATA).
- Writing research paper.

Sydney, Australia

Mar 2015 - Oct 2015

Prof. Ariadne Vromen, the University of Sydney

RESEARCH ASSISTANT

- Collection and storage of structured data via Twitter and Facebook APIs (PYTHON).
- Data and network analysis (R).
- Writing research papers.

Sydney, Australia

Oct 2013 - Dec 2015

Australian Centre for International Agricultural Research

PROGRAM EVALUATION

- Design of survey-based impact assessment exercise of three projects funded by AusAID in Afghanistan.
- Survey methodology sampling definition.
- Preparation of Terms of Reference for tendering purposes.
- Identification of organisations with the capacity to conduct the fieldwork, evaluation of proposals and negotiation of contracts.
- Remote management of fieldwork in Afghanistan.
- Desk research, reporting on progress and data analysis.

Canberra, Australia

Jun 2012 - Mar 2013

National Empowerment Foundation, Mauritius

PROGRAM EVALUATION

Port Louis, Mauritius

May 2010 - Aug 2010

Teaching

Department of Media and Communications, the University of Sydney

UNIT COORDINATOR

- Preparation and delivery of lectures to Master's students, commutation with students and marking in the unit MECO6913 *Public Opinion, Policy & Public Sphere*.

Sydney, Australia

Jul 2018 - Nov 2018

Department of Linguistics, the University of Sydney

GUEST LECTURER

- Delivery of guest lecture on digital media methods in the unit LNGS2628 *Digital Tools for the Humanities* [Link to slides: bit.ly/2xIprxJ].

Sydney, Australia

Sep 2018

Department of Media and Communications, the University of Sydney

GUEST LECTURER AND WORKSHOP ORGANISATION AND DELIVERY

- Delivery of guest lecture on digital media methods in the unit MECO4114 *Research Methods* (2018) [Link to slides: bit.ly/2O8CDWj].
- Preparation and delivery of two workshops on the use of R and RStudio with application to social research (2016). [Materials: goo.gl/lqD2cT] [Podcast: goo.gl/5dj1lP].

Sydney, Australia

Nov 2016 - Jun 2018

Department of Government and International Relations, the University of Sydney

TEACHING ASSISTANT AND GUEST LECTURER

- Tutor: GOVT2111 *Human Rights and Australian Politics* (2014), GOVT2991 *Political Analysis* (2017), GOVT1104 *Introduction to Political Science* (2017).
- Guest lecturer: GOVT2991 *Political analysis* (2017), GOVT1104 *Introduction to Political Science* (2017), GOVT3901 *Digital Politics* (2017).

Sydney, Australia

Mar 2014 - Nov 2017

Publications

PEER-REVIEWED JOURNAL ARTICLES

- Abbondanza, G., & Bailo, F. (2018). The electoral payoff of immigration flows for anti-immigration parties: The case of Italy's Lega Nord. *European Political Science*, 17(3), 378–403. Retrieved from doi.org/10.1057/s41304-016-0097-0
- Bailo, F., & Vromen, A. (2017). Hybrid social and news media protest events. *Information, Communication and Society*, 20(11), 1660-1679. Retrieved from dx.doi.org/10.1080/1369118X.2016.1252410
- Vromen, A., Loader, B. D., Xenos, M. A., & Bailo, F. (2016). Everyday making through Facebook engagement. *Political Studies*, 64(3), 513-533. Retrieved from doi.org/10.1177/0032321715614012
- Bailo, F. (2015). Mapping online political talks through network analysis. *Policy Studies*, 36(6), 550-572. Retrieved from dx.doi.org/10.1080/01442872.2015.1095282

JOURNAL ARTICLES IN PREPARATION

- Bailo, F. (2018). Internet-mediated recruitment networks of political movements: Empirical and theoretical approach. Retrieved from blogs.oii.ox.ac.uk/policy/wp-content/uploads/sites/77/2018/09/IPP2018-Bailo.pdf
- Bailo, F. (2018). Local participation and the Five Star Movement's results in the 2018 General Election
- Bailo, F., & Goldsmith, B. E. (2018). Testing the nuclear stability-instability paradox using synthetic control method. Retrieved from ssn.com/abstract=2947349

OTHER SELECTED PUBLICATIONS

- Bailo, F. (2016). Explicit semantic analysis with R [Blog post]. Retrieved from www.francescobailo.net/2016/04/explicit-semantic-analysis-with-r-2
- Jilani, A., Pearce, D., & Bailo, F. (2013). *ACIAR wheat and maize projects in Afghanistan*. Canberra: ACIAR. Retrieved from aciar.gov.au/files/ias85-afghanistan-web-final.pdf

Conferences and workshops

Digital Humanities Australasia 2018

PRESENTER (PAPER)

Adelaide, Australia

25-28 September 2018

- “Local participation and the Five Star Movement's results in the 2018 General Election”

The Internet, Policy & Politics academic conference

PRESENTER (PAPER)

Oxford, UK

20-21 September 2018

- “Internet-mediated recruitment networks of political movements: Empirical and theoretical approach”

Information for Digital Participation Symposium

PRESENTER (PAPER)

Canberra, Australia

18 July 2018

- “Local participation and the Five Star Movement's results in the 2018 General Election”

1st Australian Social Network Analysis Conference

PRESENTER (POSTER)

Hawthorn, Australia

16-17 November 2016

- “Political stability and the fragmentation of online publics in multilingual states”

Internet, Politics, and Policy Academic Conference

PRESENTER (PAPER)

Oxford, UK

22-23 September 2016

- “Political stability and the fragmentation of online publics in multilingual states”

The 8th Pan-European Conference on the European Union

PRESENTER (PAPER)

Trento, Italy

15-18 June 2016

- “From Five Stars to ground: A quantitative content analysis of Beppe Grillo's blogposts”

Australian Political Studies Association Annual Conference

PRESENTER (PAPERS)

Canberra, Australia

28-30 September 2015

- “Networks in the online mobilisation enterprise of Italy's Five Star Movement”
- “Between anti-elite populism and policy: A textual analysis of the relation between Beppe Grillo's posts and his commenters”

International Conference on Computational Social Science

PRESENTER (POSTER)

Helsinki, Finland

11-8 June 2015

- “Networks in the online mobilisation enterprise of Italy's Five Star Movement”

Third Annual Conference of the Australian Society for Quantitative Political Science

Sydney, Australia

PRESENTER (PAPER)

5-6 December 2014

- “Heterogeneity and fragmentation in online political discussion: A comparative and within-case study analysis of the forums of Italy’s Five Star Movement and Germany’s Pirate Party”

New forms of Digital Communication and Political Organisation

Canberra, Australia

PRESENTER (PAPERS)

9-10 October 2014

- “Heterogeneity and fragmentation in online political discussion : A comparative and within-case study analysis of the forums of Italy’s Five Star Movement and Germany’s Pirate Party”
- “From #MarchinMarch to #BustTheBudget: Comparing social media ecologies of Australian protest events ” (with Ariadne Vromen)

Australian Political Studies Association Annual Conference

Sydney, Australia

PRESENTER (PAPER)

28 September-1 October 2014

- “Prestige in online political talks: A case study of users’ behaviour within the media system of the Five Star Movement”

Internet, Politics, and Policy Academic Conference

Oxford, UK

PRESENTER (PAPER)

25-26 September 2014

- “Mapping online political talks through network analysis: A case study of the website of Italy’s Five Star Movement”

Citizen Engagement and New Forms of Political Participation Workshop

Canberra, Australia

PRESENTER (PAPER)

2-3 December 2013

- “Mapping online political forums through network analysis: A case study of the website of Italy’s Five Star Movement”

Awards

- 2018 **The Internet, Policy & Politics Conference Best Paper Prize**, University of Oxford
- 2015 **Berlin Doctoral Fellowship**, The University of Sydney
- 2013 **Australian Postgraduate Award**, The University of Sydney
- 2013 **Top 3% Award**, Maastricht University
- 2005 **SEN Coimbra Group Grant**, University of Pavia

Skills

Programming	R, Python, LaTeX, PHP, Stata.
Data analytics	Econometrics, Machine learning (limited applications); Network analysis (igraph, ergm, tergm); Natural language processing.
Data harvesting	Web scraping (Selenium WebDriver)
Software	MS Office, RStudio, Spss, QGIS, Linux, OpenStack.
Database	SQLite, MySQL, PostgreSQL, PostGIS, SPARQL.
Web	WordPress, D3.js, R Shiny.
Languages	English, Spanish, French, Italian (native).

Development assistance

MADERA, Afghanistan

Kabul, Afghanistan

NATIONAL PROGRAM MANAGER

Mar 2011 - Mar 2012

- Management of USD 2.1 million annual budget and 200 employees.
- Recruitment and training of staff.
- Implementation of National Solidarity Programme in 800+ communities strengthening local governance.
- Liaison with Afghan Ministry of Rural Development, World Bank.
- Creation of evaluation procedures.
- Writing of narrative and quantitative reports.

Food and Agriculture Organization of the United Nations

San Marcos, Guatemala

SPECIALIST IN BUSINESS DEVELOPMENT

Feb 2009 - Feb 2010