

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).
- 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

Skills

Programming R, Python, LaTeX, PHP, Stata.

Data harvesting and analytics Web scraping (Selenium WebDriver); network analysis (igraph, ergm, tergm); Natural language processing.

Software RStudio, SPSS, QGIS, Linux, OpenStack.

Database SQLite, MySQL, PostgreSQL, PostGIS, SPARQL.

Web WordPress, D3.js, Shiny.

Languages English, Spanish, French, Italian (native).

Research

Cambodia Development Resource Institute (CDRI)

CONSULTANT FOR PUBLIC OPINION SURVEY

Phnom Penh, Cambodia

Aug 2017

- Desk research for public opinion survey on online political participation in Cambodia.
- 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

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

WORKSHOP ORGANISATION AND DELIVERY

- Prepared and delivered two workshops on the use of R and RStudio with application to social research. [Materials: goo.gl/lqD2cT] [Podcast: goo.gl/5dj1lP].

Sydney, Australia

Nov 2016 - Dec 2016

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

Development assistance

MADERA, Afghanistan

NATIONAL PROGRAM MANAGER

- 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.

Kabul, Afghanistan

Mar 2011 - Mar 2012

Food and Agriculture Organization of the United Nations

SPECIALIST IN BUSINESS DEVELOPMENT

San Marcos, Guatemala

Feb 2009 - Feb 2010

Awards

- 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

Publications

PEER-REVIEWED JOURNAL ARTICLES

- 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](https://doi.org/10.1080/1369118X.2016.1252410)
- Abbondanza, G., & Bailo, F. (2017). The electoral payoff of immigration flows for anti-immigration parties. *European Political Science*. Retrieved from doi.org/10.1057/s41304-016-0097-0
- 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](https://doi.org/10.1080/01442872.2015.1095282)

JOURNAL ARTICLES IN PREPARATION

- Bailo, F., & Goldsmith, B. E. (2016). Testing the nuclear stability-instability paradox using synthetic control method. Retrieved from ssrn.com/abstract=2947349
- Jensen, M. & Bailo, F. The role of social media in framing Australia's Coal seam gas debate

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 aciarc.gov.au/files/ias85-afghanistan-web-final.pdf

Conferences and workshops

1st Australian Social Network Analysis Conference

Hawthorn, Australia

PRESENTER (POSTER)

16-17 November 2016

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

Internet, Politics, and Policy Academic Conference

Oxford, UK

PRESENTER (PAPER)

22-23 September 2016

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

The 8th Pan-European Conference on the European Union

Trento, Italy

PRESENTER (PAPER)

15-18 June 2016

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

Australian Political Studies Association Annual Conference

Canberra, Australia

PRESENTER (PAPERS)

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

Helsinki, Finland

PRESENTER (POSTER)

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

PRESENTER (PAPER)

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

Oxford, UK

25-26 September 2014

Citizen Engagement and New Forms of Political Participation Workshop

PRESENTER (PAPER)

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

Canberra, Australia

2-3 December 2013