

Education

Doctor of Philosophy

DEPARTMENT OF GOVERNMENT AND INTERNATIONAL RELATIONS, THE UNIVERSITY OF SYDNEY

Sydney, Australia

Jul 2013–Aug 2017

- Thesis title: 'The citizen-user and the crowd-mediated politics of the Five Star Movement'; Supervisor: Prof Ariadne Vromen.
- Using network analysis, performed research regarding online participation and deliberation in political web platforms.
- Collected unstructured and semi-structured data through web crawling and APIs (Software used: PHP and Python).
- Responsible for data storage, cleaning and querying (Software: Python, R, SQL).
- Conducted statistical analysis and natural language processing (Software: R).
- Performed data visualisation (R) and interactive visualisation (D3.js). [Link to visualisations: bit.ly/2Dr6pBp]
- Designed websites for online surveys (Software: PHP and MySQL).

Advanced Diploma in Data and Systems Analysis

UNIVERSITY OF OXFORD

Oxford, UK

Oct 2012–Sep 2013

- Completed courses in:
 - System lifecycle and management;
 - Systems analysis and design: Data-driven and procedural techniques;
 - Data organisation.

Master of Science in Public Policy and Human Development

MAASTRICHT GRADUATE SCHOOL OF GOVERNANCE, MAASTRICHT UNIVERSITY

Maastricht, The Netherlands

Feb 2010–Jan 2011

- Completed courses in:
 - 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

Teaching

School of Communication, University of Technology Sydney

LECTURER, DIGITAL AND SOCIAL MEDIA

Sydney, Australia

Mar 2018–Present

- Teaching and coordination undergraduate subjects; Curriculum development; Academic research and publishing.

Department of Media and Communications, The University of Sydney

POSTGRADUATE UNIT OF STUDY COORDINATOR AND LECTURER: *Public opinion, policy and the public sphere* (MECO6913)

Sydney, Australia

Jul 2018–Dec 2018

- Designed and delivered lectures to postgraduate students; completed student administration; and performed assessment and marking.

Department of Media and Communications, The University of Sydney

WORKSHOP DESIGN AND DELIVERY

Sydney, Australia

Nov 2016–Dec 2018

- Designed and delivered a workshop on Topic models and R software as part of the DH Downunder 2018 summer school, co-organised with the Western Sydney University (5 December 2018)
Link to workshop materials: digital-methods-sydney.github.io/ws-201812.
- Delivered one two-day workshop on social network analysis, Twitter data collection, text analysis and the R software (6-7 June 2018)
Link to workshop materials: digital-methods-sydney.github.io/ws-201806.
- Designed and delivered two workshops on the applications of R and RStudio to social research (4 November and 2 December 2016)
Link to materials: goo.gl/lqD2cT, Link to podcast: goo.gl/5dj1lP.

Department of Linguistics, The University of Sydney

Sydney, Australia

GUEST LECTURER

Sep 2018

- Designed and delivered one guest lecture on digital media methods for the following unit of study:
Digital tools for the humanities (LNGS2628, 5 September 2018) [Link to slides: bit.ly/2xlprxJ].

Department of Media and Communications, The University of Sydney

Sydney, Australia

GUEST LECTURER

May 2018

- Designed and delivered one guest lecture on digital media methods for the following unit of study:
Research methods (MECO4114, 3 May 2018) [Link to slides: bit.ly/2O8CDWj].

Department of Government and International Relations, The University of Sydney

Sydney, Australia

GUEST LECTURER

May 2017–Sep 2017

- Designed and delivered three guest lectures during the following units of study:
Political analysis (GOVT2991, 2 May 2017) [Link to slides: bit.ly/2SPeS4s];
Introduction to Political Science (GOVT1104, 2017);
Digital Politics (GOVT3901, 25 September 2017).

Department of Government and International Relations, The University of Sydney

Sydney, Australia

TUTOR

Mar 2014–July 2017

- Provided tutoring support for the following units of study:
Human Rights and Australian Politics (GOVT2111, 2014);
Political Analysis (GOVT2991, 2017);
Introduction to Political Science (GOVT1104, 2017).

Research Positions

Department of Media and Communications, The University of Sydney

Sydney, Australia

POSTDOCTORAL FELLOW IN DIGITAL MEDIA METHODS

Jan 2018–Mar 2018

- Apply quantitative and digital methods to conduct research on the political impacts of Internet technologies.
- Write academic grants and papers.
- Organise and conduct training sessions on digital methods.
- Design online interactive applications for visually displaying quantitative and geographic information (R Shiny) [Link to interactive visualisation: bit.ly/2QVg7P5].

Cambodia Development Resource Institute (CDRI)

Phnom Penh, Cambodia

CONSULTANT IN THE DESIGN AND DELIVERY OF PUBLIC OPINION SURVEY

Aug 2017–Jan 2018

- Designed a public opinion survey to gauge participants' online political participation; survey featured stratified multistage sampling.
- Defined sampling frame, sampling methodology, and questionnaire for the survey.
- Organised and delivered training activities for local staff.

Gaia Servizi Idrici

Lucca, Italy

CONSULTANT IN THE ANALYSIS OF EMPLOYEE SURVEY RESULTS

Sep 2017–Sep 2018

The University of Canberra

Canberra, Australia

RESEARCH ASSISTANT

Aug 2015–Sep 2017

- Supervisors: Prof Paul Fawcett and Dr Michael Jensen.
- Collected and stored structured data (via Twitter and Facebook APIs) and unstructured web data (via Python, SQLite and OpenStack cloud computing).
- Performed data analysis and natural language processing (Software used: R).
- Developed web tools for text coding.
- Wrote a research paper.

The University of Sydney

Sydney, Australia

RESEARCH ASSISTANT

Aug 2015–Apr 2016

- Supervisor: Prof Rodney Smith.
- Responsible for database management and statistical analysis of survey responses (Software: R, SPSS).
- Reporting (LaTeX/knitr).
- Set up online file-sharing system for research team (Software: AARNet's AARNet's CloudStor).

The University of Sydney | Australian National University

RESEARCH ASSISTANT

- Supervisor: Prof Benjamin E. Goldsmith.
- Conducted data and network analysis (Software: R and STATA).
- Provided assistance and contributed to the writing of a research paper.

Sydney, Australia

Mar 2015–Oct 2015

The University of Sydney

RESEARCH ASSISTANT

- Supervisor: Prof Ariadne Vromen.
- Collected and stored structured data via Twitter and Facebook APIs (Software: Python).
- Conducted data and network analysis (Software: R).
- Provided assistance and contributed to the writing of research papers.

Sydney, Australia

Oct 2013–Dec 2015

Australian Centre for International Agricultural Research

PROGRAM EVALUATION

- Designed a survey-based impact assessment exercise for three projects funded by AusAID in Afghanistan.
- Survey methodology sampling definition.
- Prepared Terms of Reference for tendering purposes.
- Identified organisations with the capacity to conduct fieldwork.
- Evaluated proposals and negotiated contracts.
- Responsible for remote management of fieldwork in Afghanistan.
- Conducted desk research to report on progress and data analysis.

Canberra, Australia

Jun 2012–Mar 2013

National Empowerment Foundation, Mauritius

PROGRAM EVALUATION

Port Louis, Mauritius

May 2010–Aug 2010

Publications

BOOK IN PREPARATION

- Bailo, F. *Online Communities and Crowds in the Rise of the Five Star Movement*.
- Contract signed with Palgrave Macmillian, full manuscript to be submitted by December 2019)

ARTICLES UNDER REVIEW | ARTICLES IN PREPARATION

- Bailo, F. Social capital, Internet capital and the recruitment networks of political movements: A theoretical and empirical approach. Pre-print paper: blogs.oii.ox.ac.uk/policy/wp-content/uploads/sites/77/2018/09/IPP2018-Bailo.pdf.
- Bailo, F., & Goldsmith, B. E. Testing the nuclear stability-instability paradox using synthetic control method. Pre-print: ssrn.com/abstract=2947349.
- Bailo, F. Bridging the Void. Distress, Participation and the Electoral Success of the Five Star Movement (2005-2018).
- Bailo, F., Marchant, R. & Goggin G. / Political turbulence and mobile Internet diffusion in middle-income countries

ARTICLES PUBLISHED IN PEER-REVIEWED JOURNALS

- 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

OTHER PUBLICATIONS (SELECTED)

- Goggin, G., Vromen, A., Weatherall, K., Martin, F., Adele, W., Sunman, L., & Bailo, F. (2017). Digital Rights in Australia. Sydney: The University of Sydney. Retrieved from ses.library.usyd.edu.au/handle/2123/17587
- 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

Social Movements and Parties in a Fractured Media Landscape

Florence, Italy

PRESENTER (PAPER)

1-2 July 2019

- Presentation title: 'Bridging the Void. Distress, Participation and the Electoral Success of the Five Star Movement (2005-2018)'.

Data and politics seminar (United States Studies Centre)

Sydney, Australia

PRESENTER (PAPER)

23 November 2018

- Presentation title: 'Social capital, Internet capital and the recruitment networks of political movements: A theoretical and empirical approach'.

Gale Digital Scholar Lab Roadshow

Sydney, Australia

INVITED SPEAKER

3 October 2018

- Presentation title: 'Racism in online interactions: Comparing survey data and social media data'.

Digital Humanities Australasia 2018

Adelaide, Australia

PRESENTER (PAPER)

25-28 September 2018

- Paper title: 'Local participation and the Five Star Movement's results in the 2018 General Election'.

The Internet, Policy & Politics academic conference

Oxford, UK

PRESENTER (PAPER)

20-21 September 2018

- Paper title: 'Internet-mediated recruitment networks of political movements: Empirical and theoretical approach'.

Information for Digital Participation Symposium

Canberra, Australia

PRESENTER (PAPER)

18 July 2018

- Paper title: 'Local participation and the Five Star Movement's results in the 2018 General Election'.

1st Australian Social Network Analysis Conference

Hawthorn, Australia

PRESENTER (POSTER)

16-17 November 2016

- Poster title: '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

- Paper title: '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

- Paper title: '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

- Paper title: 'Networks in the online mobilisation enterprise of Italy's Five Star Movement'.
- Paper title: '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

- Poster title: 'Networks in the online mobilisation enterprise of Italy's Five Star Movement'.

Australasian Aid Conference

Canberra, Australia

PRESENTER (PAPER)

12-13 February 2015

- Paper title: 'Official development assistance vs People2People microlending: the case of Australia' (with Guglielmo Briscese).

Third Annual Conference of the Australian Society for Quantitative Political Science

Sydney, Australia

PRESENTER (PAPER)

5-6 December 2014

- Paper title: '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

- Paper title: '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'.
- Paper title: 'From #MarchinMarch to #BustTheBudget: Comparing social media ecologies of Australian protest events' (with Professor Ariadne Vromen).

Australian Political Studies Association Annual Conference

Sydney, Australia

PRESENTER (PAPER)

28 September-1 October 2014

- Paper title: '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)

Oxford, UK

25-26 September 2014

- Paper title: '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

PRESENTER (PAPER)

Canberra, Australia

2-3 December 2013

- Paper title: 'Mapping online political forums through network analysis: A case study of the website of Italy's Five Star Movement'.

Grants and Awards

- 2013-2017 **Full PhD Scholarship - Australian Postgraduate Award**, The University of Sydney
- 2015 **Berlin Doctoral Fellowship**, The University of Sydney and WZB Berlin Social Science Center
- 2018 **The Internet, Policy & Politics Conference Best Paper Prize**, University of Oxford
- 2018 **School of Letters, Art, and Media Research Support Scheme**, The University of Sydney
- 2013 **Top 3% Award**, Maastricht University
- 2005 **SEN Coimbra Group Grant**, University of Pavia and University of Geneva
- 2005 **Erasmus Scholarship**, University of Turin - Anglia Ruskin University

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 Positions

MADERA, Afghanistan

NATIONAL PROGRAM MANAGER

Kabul, Afghanistan

Mar 2011–Mar 2012

- Managed annual budget of \$2.1 million USD; managed a team of 200 employees.
- Responsible for recruitment and training of staff.
- Implemented National Solidarity Programme in over 800 communities with the goal of strengthening local governance.
- Liaised with Afghan Ministry of Rural Development, World Bank.
- Created evaluation procedures.
- Wrote narrative and quantitative reports.

Food and Agriculture Organization of the United Nations

SPECIALIST IN BUSINESS DEVELOPMENT

San Marcos, Guatemala

Feb 2009–Feb 2010