

Federica Bologna

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Research Interests

Computational Social Science, Natural Language Processing (NLP), Medical Narratives, On-line Communities, Causal Inference, Cultural Analytics, Science of Science

Education

- 2021-Present **Ph.D. in Information Science**, Cornell University
Advisor: Matthew Wilkens
Minor: Sociology
- 2017-2020 **M.A. in Modern, Post-colonial and Comparative Literature**, University of Bologna, Italy
Advisors: Elena Lamberti and Matthew Wilkens
Thesis: *A Computational Approach to Urban Space in Science Fiction*
- 2014-2017 **B.A. in Foreign Languages and Literature**, University of Bologna, Italy
Advisors: Franco Minganti and Roberto Vecchi
Thesis: *Imaginary Cities: Colum McCann's New York vs Luiz Ruffato's São Paulo*

Publications

- Under review User Needs and Peer Support in Endometriosis Online Communities
Federica Bologna, Rosamond Thalken, David Mimno, Matthew Wilkens
- 2022 [Do open citations give insights on the qualitative peer-review evaluation in research assessments? An analysis of the Italian National Scientific Qualification](#)
Federica Bologna, Angelo Di Iorio, Silvio Peroni, Francesco Poggi
Scientometrics
- 2022 [Open bibliographic data and the Italian National Scientific Qualification: measuring coverage of academic fields](#)
Federica Bologna, Angelo Di Iorio, Silvio Peroni, Francesco Poggi
Quantitative Science Studies

2020 [A Computational Approach to Urban Space in Science Fiction](#)
Federica Bologna
Journal of Cultural Analytics

Research experience

Summer 2023 **PiTech PhD Impact Fellow**, Cornell University
Managers: Michael Bouton, MD, David Silvestri, MD, MBA, MHS, Anand Reddy, MD
• Evaluated the impact of current policies at relieving nurses' alert fatigue using data analysis.
• Provided design recommendations to improve the integration of medical alerts within nurses workflows after having conducted and analyzed interviews.

2020-2021 **Research Assistant**, University of Bologna, Italy
Mentors: Angelo Di Iorio, Silvio Peroni, and Francesco Poggi
• Evaluated the suitability of open access datasets for academic evaluation processes.
• Examined committees' decisions with citation network analysis and supervised classification.

Posters & Presentations

2022 **Support and Relationship Patterns in Endometriosis Narratives**
Federica Bologna, Rosamond Thalken, David Mimno, and Matthew Wilkens
Long Presentation at *Digital Humanities 2022*

2021 **Analyzing Urban Space's Presence in Science Fiction Using Token Counts**
Federica Bologna
Presentation at *University of Naples "L'Orientale" Graduate Conference 2020*

Teaching Experience

Spring 2022 Graduate TA, **INFO 3370: Studying Social Inequality with Data Science**, Cornell University
Spring 2022 Graduate TA, **INFO 3350: Text mining for history and literature**, Cornell University

Honors, Awards & Scholarships

2023 **Outstanding Teaching Award**, Cornell University
2023 **Siegel Family Endowment PiTech PhD Impact Fellow**, Cornell University
2019 **M.A. Thesis Research Abroad Scholarship**, University of Bologna, Italy
2017 **Overseas Study Abroad Scholarship**, University of Bologna, Italy

Professional services

2021 Reviewed for *Computational Humanities Research 2021*.
2022 Reviewed for *Computational Humanities Research 2022*.

Non-degree studies

2017-2018 **Overseas Study Abroad Program**, University of California, Los Angeles