

Federica Bologna

✉ fb265@cornell.edu
🌐 [federicabologna](https://federicabologna.com)

Research Interests

Natural Language Processing (NLP), Healthcare, Large Language Models (LLMs), Patient-Centered Care, Gender Equity, Cultural Analytics, Causal Inference

Publications

- Working paper Evaluation of Generative Language Models for Patient Question Answering
Federica Bologna, Noémie Elhadad, Matthew Wilkens
- Working paper Reddit Users' Perceptions of Excision and Ablation Surgery
Kristen Pepin, **Federica Bologna**, Matthew Wilkens
- Under review Endometriosis Online Communities: A Quantitative Analysis
Federica Bologna, Rosamond Thalken, David Mimno, Matthew Wilkens
- Under review Stylometric Identification of the "Unknown Male Author" in Veronica Franco's *Terze rime*
Giulia Andreoni, **Federica Bologna**, Marilyn Migiel
- 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**, NYC Health + Hospitals
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

- 2023 **What is Happening in Endometriosis Online Communities?**
Kristen Pepin, Federica Bologna, and Matthew Wilkens
Main Stage Presentation at the 2023 global congress of the [American Association of Gynecologic Laparoscopists \(AAGL\)](#)
- 2022 **Support and Relationship Patterns in Endometriosis Narratives**
Federica Bologna, Rosamond Thalken, David Mimno, and Matthew Wilkens
Long Presentation at [DH2022](#)
- 2021 **Analyzing Urban Space's Presence in Science Fiction Using Token Counts**
Federica Bologna
Presentation at *University of Naples "L'Orientale" Graduate Conference 2020*

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*

Teaching Experience

- Spring 2024 Graduate TA, [INFO 3370: Studying Social Inequality with Data Science](#), Cornell University
- Spring 2023 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

- 2022 Reviewed for [Computational Humanities Research 2022](#).
- 2021 Reviewed for [Computational Humanities Research 2021](#).

Non-degree studies

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