

# Federica Bologna

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

## Areas of interest

Cultural Analytics, Natural Language Processing, Computational Social 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

- 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

- 2020-2021 **Research Assistant**, University of Bologna, Italy  
Mentors: Angelo Di Iorio, Silvio Peroni, and Francesco Poggi  
• Use citation network analysis to study the Italian National Scientific Qualification

- Collect and disambiguate publication data to study the coverage of Open Access datasets

Fall 2019

**Graduate Student Researcher**, University of Aarhus, Denmark

Mentor: Matthew Wilkens

- Automatically extract urban space from 300 science-fiction novels
- Use of NLP techniques: topic modeling, token counts and extracted named locations

## 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 3350: Text Mining History and Literature**, Cornell University

## Honors, Awards & Scholarships

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*.

## Non-degree studies

2017-2018

**Overseas Study Abroad Program**, University of California, Los Angeles

Last updated: August 26, 2022 •