

# Luisa M. Mimmi

## PUBLIC POLICY & DATA ANALYSIS



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Luisa-Mimmi

*I am an economist by training with demonstrated expertise designing and implementing diagnostic tools, advanced analytics and data visualizations applied to economic development. Most of my research revolves around different policies improving universal access to basic infrastructure services (housing, water and sanitation, energy, education and health). I am passionate about using data from different sources –including social media, GIS and satellite imagery– to understand and tackle complex public policy issues.*

## Professional Experience

### Independent Consulting

POLICY ANALYST & DATA SCIENTIST

Pavia, Italy

Jan 2022-Sep 2022

- Currently advising the Italian Ministry of Finance (on resilient infrastructure policies)

### Italian Ministry of Economy & Finance

Rome, Italy

SR. ADVISOR (G20 TASK FORCE)

Feb 2020-Dec 2021

- Coordinated the resilience and maintenance workstream for the G20 Infrastructure Working Group during Italy's G20 Presidency in 2021
- KEY ACHIEVEMENTS: Drafted the "G20 Policy Agenda on Infrastructure Maintenance" endorsed by Finance Ministers

### CSIL

Milan, Italy

ADVISOR

Feb 2020-Mar 2020

- Supported tender proposal preparation for research project on "EU Lagging Regions: state of play and future challenges" funded by the European Parliament's Committee on Regional Development (REGI)

### Inter-American Development Bank

Washington DC, US

RESEARCH FELLOW (WATER DIVISION)

May 2018-Oct 2019

- Surveys and analysis of supply and demand of Water and Sanitation in Latin America
- KEY ACHIEVEMENTS: Contributed to 2020 IADB flagship publication on Infrastructure "From Structures to Services: The Path to Better Infrastructure in Latin America and the Caribbean"

### World Bank

Washington DC, US

SENIOR M&E SPECIALIST (AT MULTILATERAL TRUST FUNDS)

Mar 2009-Apr 2018

- Designed and managed M&E frameworks for 2 multi-donor trust funds: WPP and GPOBA
- Conducted feasibility and impact evaluation studies focused on infrastructure poverty dimensions in rural and urban areas
- KEY ACHIEVEMENTS: 3 peer-reviewed publications, including pilot research on integrating satellite imagery and household survey data to estimate Slum Severity Index in Dhaka

### Inter-American Development Bank

Washington DC, US

POLICY ANALYST (SOCIAL PROTECTION & HEALTH DIV.)

Oct 2008-Feb 2009

- Social development project on education and vocational training in Fortaleza, Brazil
- KEY ACHIEVEMENTS: Presented comparative policy paper on entrepreneurship promotion to Social Protection & Health Div.

### AVSI International NGO

Rio and Belo Horizonte, Brazil

SUMMER INTERN (SOCIAL INCLUSION AND EDUCATION)

Jun 2007-Aug 2007

- Initiated empirical study of slum electrification project "Conviver" (Belo Horizonte)
- Advised on data sharing among AVSI inter-city educational interventions in urban favelas

### Value Partners Management Consulting

Milan, Italy

BUSINESS INTELLIGENCE ANALYST

Oct 2001-Jun 2006

- Business intelligence analysis for several Italian clients and their domestic and international operations

## Education

### Georgetown University

M.P.P. - INTERNATIONAL POLICY & DEVELOPMENT

Washington, DC

2008

### Università di Pavia

B.S. IN ECONOMICS & BUSINESS ADMINISTRATION

Pavia, Italy

2001

### Universidad Autonoma de Madrid

[ERASMUS EXCHANGE STUDENT - EU ECONOMICS]

Madrid, Spain

1997-1998

## Academic Honors

### “Ingenio” Research Funding Program: Visiting Scholar Dissertation Grant

LOMBARDIA REGION, ITALY

2007/2008

### Graduate Tuition Scholarship: “Ambassador of Goodwill” scholarship

ROTARY FOUNDATION INTERNATIONAL

2006/2007

### EU exchange Student Program: “Socrates-Erasmus” scholarship

EUROPEAN UNION (EU)

1997/98

## Software

### Statistics / Databases

R, RStudio, Stata, SQL, Salesforce,  
MS Excel

### GIS

ArcGIS, QGIS, GeoDa,  
OpenStreetMap

### Other

Git, Github, Unix Shell, CSS, HTML,  
LaTeX, Markdown

## Languages

Skill	Italian	English	Spanish	Portuguese
Reading	Native	C2	C2	B2
Writing	Native	C2	C1	A1
Listening	Native	C2	C2	B2
Speaking	Native	C2	C2	B2

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User

## Professional Development

LINKEDIN LEARNING – GIT ESSENTIAL TRAINING (3 HOURS)

2022

- Certificate

STATISTICAL HORIZONS – MULTILEVEL AND MIXED EFFECTS MODELS USING R (4 DAYS)

2021

IADB – MACHINE LEARNING WITH R (7 WEEKS)

2019

WORLD BANK – HOUSEHOLD SURVEYS IN THE POST-2015 DEVELOPMENT AGENDA (2 DAYS)

2018

MIT-JPAL (ON EDX) – EVALUATING SOCIAL PROGRAMS (4 WEEKS)

2017

DUKE (ON COURSERA) – MANAGING BIG DATA WITH MYSQL (5 WEEKS)

2017

- Certificate

MIT-JPAL (ON EDX) – THE ANALYTICS EDGE (9 WEEKS)

2016

UC-DAVIS (ON COURSERA) – FUNDAMENTALS OF GIS (4 WEEKS)

2016

- Certificate

IRES (KENYA) – GIS ANALYSIS FOR WASH PROGRAMS (5 DAYS)

2016

GENERAL ASSEMBLY – SQL BOOTCAMP (1 DAY)

2016

DUKE (ON COURSERA) – DATA ANALYSIS AND STATISTICAL INFERENCE (10 WEEKS)

2015

JOHNS HOPKINS (ON COURSERA) – THE DATA SCIENTIST TOOLBOX (4 WEEKS)

2014

- Certificate

## Other Professional Service

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<b>JOURNAL PEER REVIEWER</b>	<i>ongoing</i>
• 'Energy Policy' & 'Journal of the Association of Environmental and Resource Economists'	
<b>FUNDRAISING DATA ANALYST (PRO BONO)</b>	<i>2017-2020</i>
• New York Encounter No Profit	
<b>FOCAL POINT FOR WATER PRACTICE</b>	<i>2016</i>
• 1st Geospatial Day (World Bank HQ, Nov 1, 2016)	
<b>PROGRAM DELEGATE</b>	<i>2012</i>
• World Water Week conference (Stockholm, Sweden, Aug 26-31, 2012)	
<b>EXPERT MODERATOR AT IMPACT EVALUATION WORKSHOP</b>	<i>2011</i>
• Professional training run by World Bank & SIEF (Dhaka, Bangladesh, Oct 2011)	

## Data Science Projects

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<b>DEDICATED WEBSITE</b>	<i>2022 - Present</i>
• (Ongoing) project applying computational linguistic to public policy	
<b>PERSONAL DATA SCIENCE BLOG</b>	<i>2018 - Present</i>
• Side projects, R code, miscellaneous public policy articles	
<b>BRAZIL WATER SUPPLIERS</b>	<i>2018/2019</i>
• Analysis of water supply survey data in Brazil	
<b>GREEN CARD PROCESSING TIME UNDER TRUMP</b>	<i>2019</i>
• Short Article + Code	
<b>NEW YORK ENCOUNTER'S FUNDRAISING IMPACT ANALYSIS</b>	<i>2019</i>
• Presentation to NGO	
<b>ANALYSIS OF JOB MIGRANTS AND CITIES' COMPETITIVENESS THROUGH LINKEDIN DATA</b>	<i>2018</i>
• Presentation + Code	
<b>ANALYSIS OF WDI INDICATOR "LIFE EXPECTANCY OVER TIME"</b>	<i>2018</i>
• Short Article + Code	

[See detailed list on my **Google Scholar Profile**]

### PEER-REVIEWED ARTICLES

1. Patel, A., Borja-Vega, C., Mimmi, L. M., Soukup, T., & Kolomaznik, J. (2022). Predicting Housing Deprivation from Space in the Slums of Dhaka. *Environment and Planning B: Urban Analytics and City Science*. <https://doi.org/10.1177/239980832211235>
2. Mimmi, L. M. (2014). From informal to authorized electricity service in urban slums: Findings from a household level survey in Mumbai. *Energy for Sustainable Development*, 21, 66–80. <https://doi.org/10.1016/j.esd.2014.05.008>
3. Mimmi, L. M., & Ecer, S. (2010). An econometric study of illegal electricity connections in the urban favelas of Belo Horizonte, Brazil. *Energy Policy*, 38(9), 5081–5097. <https://doi.org/10.1016/j.enpol.2010.04.037>

### TECHNICAL REPORTS

1. Mimmi, L. M. (2022). Italy in front of the challenge of infrastructure maintenance: Existing issues and promising responses. (*Under Review*), 33. [https://www.researchgate.net/publication/363851925\\_Italy\\_in\\_front\\_of\\_the\\_challenge\\_of\\_infrastructure\\_maintenance\\_existing\\_issues\\_and\\_promising\\_responses\\_Challenges\\_of\\_infrastructure\\_maintenance](https://www.researchgate.net/publication/363851925_Italy_in_front_of_the_challenge_of_infrastructure_maintenance_existing_issues_and_promising_responses_Challenges_of_infrastructure_maintenance)
2. Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020). *Priorities and major challenges for Italy's G20 Presidency in 2021 in the Infrastructure Working Group*. Rome.
3. Mimmi, L. M., Borja-Vega, C., Patel, A., Bhan, T., Mundt, M., Lee, H. J., Soukup, T., & Kolomaznik, J. (2017). *Predicting Deprivations in Housing and Basic Services from Space A Pilot Study in Slums of Dhaka, Bangladesh*. World Bank. [https://www.researchgate.net/publication/325090468\\_Predicting\\_Deprivations\\_in\\_Housing\\_and\\_Basic\\_Services\\_from\\_Space\\_A\\_Pilot\\_Study\\_in\\_Slums\\_of\\_Dhaka\\_Bangladesh](https://www.researchgate.net/publication/325090468_Predicting_Deprivations_in_Housing_and_Basic_Services_from_Space_A_Pilot_Study_in_Slums_of_Dhaka_Bangladesh)
4. Rodriguez, D., Suardi, M., Ham, M., Mimmi, L. M., & Goksu, A. (2014). *Applying Results-Based Financing in Water Investments*. World Bank. <http://documents.worldbank.org/curated/en/862681468326999086/Applying-results-based-financing-in-water-investments>
5. Mimmi, L. M. (2012). *Assessing the demand for improved electricity in urban slums: Findings from a baseline households-level survey in Mumbai*. World Bank - GPOBA. [https://www.researchgate.net/publication/319839905\\_Assessing\\_the\\_demand\\_for\\_improved\\_electricity\\_in\\_urban\\_slums\\_findings\\_from\\_a\\_baseline\\_household\\_Survey\\_in\\_Mumbai](https://www.researchgate.net/publication/319839905_Assessing_the_demand_for_improved_electricity_in_urban_slums_findings_from_a_baseline_household_Survey_in_Mumbai)
6. Mimmi, L. M. (2012). *Should we re-evaluate what to evaluate (and how)?* (No. 83174; GPOBA Evaluation Notes, p. 7). World Bank - GPOBA. <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/252381468317944978/should-we-re-evaluate-what-to-evaluate-and-how>
7. Mimmi, L. M. (2009). *Youth Employment and Entrepreneurship Programs: A Review of Eight Best Practices*. Inter-American Development Bank. [https://www.researchgate.net/publication/320044319\\_Youth\\_Employment\\_and\\_Entrepreneurship\\_Programs\\_A\\_Review\\_of\\_Eight\\_Best\\_Practices](https://www.researchgate.net/publication/320044319_Youth_Employment_and_Entrepreneurship_Programs_A_Review_of_Eight_Best_Practices)

### OTHER MEDIA

1. Mimmi, L. M. (2021, September). *Infrastructure maintenance: Among G20 top priorities. Getting Infrastructure Finance Right*. <https://blogs.worldbank.org/ppps/infrastructure-maintenance-among-g20-top-priorities>
2. Mimmi, L. M., & Machado, F. (2019, January). *Technological disruption: A look into the future innovation in water and sanitation*. Volvamos a la fuente. <https://blogs.iadb.org/agua/en/technological-disruption-a-look-into-the-future-innovation-in-water-and-sanitation/>

3. Mimmi, L. M., Borja-Vega, C., & Patel, A. (2017, November). *Predicting slum dwellers' deprivations from space: A pilot study on Dhaka*. The Water Blog. <https://blogs.worldbank.org/water/predicting-slum-dwellers-deprivations-space-pilot-study-dhaka>
4. Mimmi, L. M. (2016, November). *Open spatial data for resilience in Tanzania: Lessons learned from "Dar Ramani Huria"*. <https://lulliter.com/>. <https://lulliter.com/posts/2016-11-15-ramani-huria/>
5. Mimmi, L. M. (2009, February). *Sussidiarietà e sviluppo: l'elettricità nelle favelas dell'America Latina*. <https://lulliter.com/>. <https://lulliter.com/posts/2009-02-21-2009-02-21-sussidiar/>

## Talks & Lectures

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1. Mimmi, L. M. (2021, November). *Infrastructure maintenance among G20 top priorities*. WBG MOOC on "QII and green, resilient and inclusive development," online. <https://learning.edx.org/course/course-v1:WBGx+IQI01x+1T2022/home>
2. Mimmi, L. M. (2021, October 27). *Building a more resilient future: Quality Infrastructure for all - [Session on "Resilient infrastructure for the recovery"]*. BREAKOUT SESSION 2: Resilient infrastructure for the recovery, online. <https://oecd-events.org/ipp-week-2021/session/8aa37da8-8a26-ec11-ae72-c896658c7478>
3. Mimmi, L. M. (2021, October 6). *Remarks on the IWG's work under the Italian Presidency*. C20 Summit - Reclaiming sustainable infrastructure as a public good, online.
4. Mimmi, L. M. (2020, December 15). *High-level Seminar on Quality Infrastructure Investment*. High-level Seminar on Quality Infrastructure Investment, online.
5. Mimmi, L. M. (2020, June 25–26). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums*. XVIII MEEW workshop 25-26 June 2020, Milano (online).
6. Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020, May 25). *Potenziali priorità per la Presidenza Italiana G20 nell'area tematica Infrastrutture*. Presentation at MEF, Rome.
7. Mimmi, L. M. (2018, September 5–6). *The Regulation of Public Utilities of the Future in Latin America and the Caribbean - Water and Sewerage Sector*. "Red De Centros" 1st seminar, Inter-American Development Bank.
8. Mimmi, L. M., & Borja-Vega, C. (2017, September 14). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums - Preliminary findings from Dhaka pilot (Phase I)*.
9. Mimmi, L. M. (2015, May 27). *WPP database design*. WB program meeting, Washington, D.C.
10. Mimmi, L. M. (2012, April 11). *Sampling, WTP and demand assessment: Findings from a household survey in 3 urban slums of Mumbai*. WB program meeting, Washington, D.C.
11. Mimmi, L. M. (2011, April 18–19). *OBA Approach: Core principles and a case of rural electrification*. EnergyLab, Milano, Italy.
12. Mimmi, L. M., & Mugabi, J. (2011, January 26). *OBAdata website launch*.
13. Mimmi, L. M. (2009, March 17). *Youth employment and entrepreneurship programs: A review of 8 best practices*. IDB division meeting, Washington, D.C.