Luisa M. Mimmi

PUBLIC POLICY & DATA ANALYSIS

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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

Freelance Consulting — *Pavia, Italy*
POLICY ANALYST & DATA SCIENTIST — *Jan 2022-Oct 2022*
- Currently advising the Italian Ministry of Finance (on resilient infrastructure policies)

Italian Ministry of Economy & Finance — *Rome, Italy*
SR. ECONOMIC 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 analyses 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 analyses for several Italian clients and their domestic and international operations

🎓 Education

Georgetown University	*Washington, DC*
M.P.P. - International Policy & Development	*2008*
Università di Pavia	*Pavia, Italy*
B.S. in Economics & Business Administration	*2001*
Universidad Autonoma de Madrid	*Madrid, Spain*
[Erasmus Exchange Student - EU Economics]	*1997-1998*

🏅 Academic Honors

"Ingenio" Research Funding Program: Visiting scholar grant	
Lombardia Region, Italy	*2007/2008*
Graduate Students Funding: "Ambassador of Goodwill" scholarship	
Rotary Foundation International	*2006/2007*
EU exchange Student Program: "Socrates-Erasmus" scholarship	
European Union (EU)	*1997/98*

💻 Software

Statistics / Databases	**GIS**	**Other**
R, RStudio, Stata, SQL, Salesforce, MS Excel	ArcGIS, QGIS, GeoDa, OpenStreetMap	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

💡 Other Professional Service

Journal Peer Reviewer	*ongoing*
• 'Energy Policy' & 'Journal of the Association of Environmental and Resource Economists'	
Fundraising Data Analyst (pro bono)	*2017-2020*
• New York Encounter No Profit	
Focal Point for Water Practice	*2016*
• 1st Geospatial Day (World Bank HQ, Nov 1, 2016)	
Program Delegate	*2012*
• World Water Week conference (Stockolm, Sweden, Aug 26-31, 2012)	
Expert Moderator at Impact Evaluation Workshop	*2011*
• Professional training run by World Bank & SIEF (Dhaka, Bangladesh, Oct 2011)	

✏️ 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

® Data Science Projects

DEDICATED WEBSITE   *2022 - Present*
• (Ongoing) project appliying computational linguistic to public policy

PERSONAL DATA SCIENCE BLOG   *2018 - Present*
• Side projects, R code, miscellaneous public policy articles

BRAZIL WATER SUPPLIERS   *2018/2019*
• Analysis of water supply survey data in Brazil

GREEN CARD PROCESSING TIME UNDER TRUMP   *2019*
• Short Article + Code

NEW YORK ENCOUNTER'S FUNDRAISING IMPACT ANALYSIS   *2019*
• Presentation to NGO

ANALYSIS OF JOB MIGRANTS AND CITIES' COMPETITIVENESS THROUGH LINKEDIN DATA   *2018*
• Presentation + Code

ANALYSIS OF WDI INDICATOR "LIFE EXPECTANCY OVER TIME"   *2018*
• Short Article + Code

📖 Publications

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

🔖 Peer-Reviewed Articles

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`

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`

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

Mimmi, L. M. (2022). Italy in front of the challenge of infrastructure maintenance: Existing issues and promising responses. *(Under Review)*, 33. Retrieved from `https://www.researchgate.net/publication/363851925_Italy_in_front_of_the_challenge_of_infrastructure_maintenance_existing_issues_and_promising_responses_Challenges_of_infrastructure_maintenance`

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.

Mimmi, L. M., Borja-Vega, C., Patel, A., Bhan, T., Mundt, M., Lee, H. J., … Kolomaznik, J. (2017). *Predicting Deprivations in Housing and Basic Services from Space A Pilot Study in Slums of Dhaka, Bangladesh*. Retrieved from World Bank website: `https://www.researchgate.net/publication/325090468_Predicting_Deprivations_in_Housing_and_Basic_Services_from_Space_A_Pilot_Study_in_Slums_of_Dhaka_Bangladesh`

Rodriguez, D., Suardi, M., Ham, M., Mimmi, L. M., & Goksu, A. (2014). *Applying Results-Based Financing in Water Investments*. Retrieved from World Bank website: `http://documents.worldbank.org/curated/en/862681468326999086/Applying-results-based-financing-in-water-investments`

Mimmi, L. M. (2012). *Assessing the demand for improved electricity in urban slums: Findings from a baseline households-level survey in Mumbai*. Retrieved from World Bank - GPOBA website: `https://www.researchgate.net/publication/319839905_Assessing_the_demand_for_improved_electricity_in_urban_slums_findings_from_a_baseline_household_Survey_in_Mumbai`

Mimmi, L. M. (2012). *Should we re-evaluate what to evaluate (and how)?* (No. 83174; p. 7). Retrieved from World Bank - GPOBA website: `https://documents.worldbank.org/en/publication/documents-reports/documentdetail/252381468317944978/should-we-re-evaluate-what-to-evaluate-and-how`

Mimmi, L. M. (2009). *Youth Employment and Entrepreneurship Programs: A Review of Eight Best Practices*. Retrieved from Inter-American Development Bank website: `https://www.researchgate.net/publication/320044319_Youth_Employment_and_Entrepreneurship_Programs_A_Review_of_Eight_Best_Practices`

🔗 Other Media

Mimmi, L. M. (2021, September). Infrastructure maintenance: Among G20 top priorities. Retrieved October 18, 2021, from `https://blogs.worldbank.org/ppps/infrastructure-maintenance-among-g20-top-priorities`

Mimmi, L. M., & Machado, F. (2019, January). Technological disruption: A look into the future innovation in water and sanitation. Retrieved June 16, 2019, from `https://blogs.iadb.org/agua/en/technological-disruption-a-loo`

Mimmi, L. M., Borja-Vega, C., & Patel, A. (2017, November). Predicting slum dwellers' deprivations from space: A pilot study on Dhaka. Retrieved from `https://blogs.worldbank.org/water/predicting-slum-dwellers-deprivations-`

Mimmi, L. M. (2016, November). Open spatial data for resilience in Tanzania: Lessons learned from "Dar Ramani Huria." Retrieved from `https://lulliter.com/posts/2016-11-15-ramani-huria/`

Mimmi, L. M. (2009, February). Sussidiarieta' e sviluppo: l'elettricita' nelle favelas dell'America Latina. Retrieved from `https://lulliter.com/posts/2009-02-21-2009-02-21-sussidiar/`

🎤 Talks & Lectures

Mimmi, L. M. (2021, October). *Remarks on the IWG's work under the Italian Presidency*. Presented at the C20 Summit - Reclaiming sustainable infrastructure as a public good, online.

Mimmi, L. M. (2021, October). *Building a more resilient future: Quality Infrastructure for all - [Session on "Resilient infrastructure for the recovery"]*. Presented at the BREAKOUT SESSION 2: Resilient infrastructure for the recovery, online. Retrieved from `https://oecd-events.org/ipp-week-2021/session/8aa37da8-8a26-ec11-ae72-c896658c747`

Mimmi, L. M. (2021, November). *Infrastructure maintenance among G20 top priorities*. Presented at the WBG MOOC on "QII and green, resilient and inclusive development," online. Retrieved from `https://learning.edx.org/course/course-v1:WBGx+IQI01x+1T2022/home`

Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020, May). *Potenziali priorità per la Presidenza Italiana G20 nell'area tematica Infrastrutture*. Presented at the Presentation at MEF, Rome.

Mimmi, L. M. (2020, June). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums*. Presented at the XVIII MEEW workshop 25-26 June 2020, Milano (online).

Mimmi, L. M. (2020, December). *High-level Seminar on Quality Infrastructure Investment*. Presented at the High-level Seminar on Quality Infrastructure Investment, online.

Mimmi, L. M. (2018, September). *The Regulation of Public Utilities of the Future in Latin America and the Caribbean - Water and Sewerage Sector*. Presented at the "Red De Centros" 1st seminar, Inter-American Development Bank.

Mimmi, L. M., & Borja-Vega, C. (2017, September). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums - Preliminary findings from Dhaka pilot (Phase I)*. Presented at the Washington, D.C.

Mimmi, L. M. (2015, May). *WPP database design*. Presented at the WB program meeting, Washington, D.C.

Mimmi, L. M. (2012, April). *Sampling, WTP and demand assessment: Findings from a household survey in 3 urban slums of Mumbai*. Presented at the WB program meeting, Washington, D.C.

Mimmi, L. M., & Mugabi, J. (2011, January). *OBAdata website launch*. Presented at the Washington, D.C.

Mimmi, L. M. (2011, April). *OBA Approach: Core principles and a case of rural electrification*. Presented at the EnergyLab, Milano, Italy.

Mimmi, L. M. (2009, March). *Youth employment and entrepreneurship programs: A review of 8 best practices*. Presented at the IDB division meeting, Washington, D.C.