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Education

Columbia University

Ph.D. Candidate in Economics (BusEc track)

2020 - Present

Bocconi University

M.S. in Economics and Social Sciences, *110/110 Cum Laude*

2020

Bocconi University

B.S. in International Economics and Finance, *110/110 Cum Laude*

2017

Research Interests

Political Economy, Media Economics, Organizational Economics, Behavioral Economics

Job Market Paper

An Image is Worth 40.38 Words: Partisanship and Attention in Videos

Abstract: Political news today is consumed in a fragmented, attention-scarce, and predominantly video-based media environment. Yet existing measures of media partisanship focus almost exclusively on text and assume attentive information processing. This paper analyzes how partisanship emerges and operates in video news when information is conveyed jointly through images and text, and attention is limited. I train a multimodal model on political advertisements that embeds text and images in a shared semantic space, to quantify video partisanship and decompose each modality's contribution. Applying this model to video news, I show that the relative informational strength of each modality depends on attention: images convey partisanship quickly through emotional cues, while text transmits information slowly through deliberative content. A survey experiment with real news footage shows how these properties drive viewers' responses to political videos: partisan images elicit rapid emotional responses, while partisan text shifts policy attitudes only with sustained exposure. These results characterize partisanship in modern video media as multimodal and attention-dependent, with images and text affecting different types of audiences. Efforts to improve the quality and delivery of media content must therefore account for their distinct roles.

Working Papers

Fixed Effects Topic Model

with [Dan Biderman](#), [David Blei](#), [Wei Cai](#), [Amir Feder](#) and [Andrea Prat](#)

Abstract: Social scientists wish to perform topic modeling on documents that are created by different authors in different contexts. However, the same broad topic may be expressed in different ways depending on the environment where the author operates. For example, one may wish to use employee reviews to identify broad corporate culture topics, but the language of reviews is influenced by industry-specific jargon. Existing methods attempt to control for these biases ex post, such as with traditional fixed effect regressions. But these methods cannot fully separate global themes from category-specific language within them. In this

paper, we introduce the Fixed Effects Topic Model (FETM), a novel approach to disentangling broad topics from contextual influences by incorporating fixed effects directly into the generative process of language. We use the FETM to identify themes in a large corpus of Glassdoor job reviews. We show that it outperforms conventional topic models, both in interpretability and predictive accuracy.

Bonus or Budget? Equity-Efficiency Tradeoff in Performance-Based Transfers with *Luigi Caloi*

Abstract: To improve service delivery, central governments can tie intergovernmental transfers to local policy performance. While performance-based transfers incentivize local governments and generate efficiency gains, they also shift transfers from low-capacity to high-capacity governments, which leads to equity losses. We study this equity-efficiency trade-off using a bundle of transfer reforms to Brazilian municipalities. When two states tied transfers to relative educational performance, student test scores rose substantially: moving from the 25th to the 75th percentile of per capita conditional transfers increased scores by 0.13 standard deviations. However, the reform also widened funding disparities, which translated to disparities in expenditures across sectors. In contrast, contemporaneous reforms to unconditional transfers had negligible effects on student outcomes. We use a simple model of optimal transfers to interpret these findings. Our results suggest that the introduction of performance-based transfers delivered large efficiency gains, limited equity costs, and was welfare enhancing. We find minimal evidence of multitasking distortions or score manipulation. Instead, we document increased education-related inputs and suggestive evidence of reduced corruption.

Awards, Fellowships, and Grants

CPE Graduate Student Grant Opportunity, <i>Columbia Center for Political Economy</i>	2024
CELSS Seed Grant, <i>Columbia Experimental Laboratory in the Social Sciences</i>	2024
J-PAL's Jobs and Opportunity Initiative Brazil (with Luigi Caloi), <i>J-PAL</i>	2023
Wueller Fellowship for Best Teaching Fellow (Runner-up), <i>Columbia University</i>	2022
Dean's Fellowship, <i>Columbia University</i>	2020 – Present

Seminars and Conference Talks

4th AI+Economics Workshop Zurich	2025
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Other Research Experience

Research Assistant to Prof. Andrea Prat and Andrey Simonov, <i>Columbia Business School</i>	2021–2024
Research Assistant to Prof. Cailin Slattery, <i>Columbia Business School</i>	2021–2022
Research Assistant to Prof. Thomas Le Barbanchon, Bocconi University	2019–2020
Research Assistant to Prof. Marco Ottaviani, Bocconi University	2019–2020

Teaching Experience

Main Instructor in Math Camp (Economics MA)	2022 – 2024
Guest Lecturer in Political Economy (PhD), Prof. Andrea Prat	2022 – 2024
TA in Industrial Organization (MA), Prof. Ildikó Magyari	2024
TA in Game Theory and Business (MBA), Prof. Andrea Prat	2022 – 2024
TA in Corporate Finance (UG), Prof. Tri Vi Dang	2023
TA in Math Methods for Economists (MA), Prof. Isaac Bjørke	2022

Bio

Citizenship: Italian
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References

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