

# Abdelrahman Amer

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## RESEARCH INTERESTS

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Labor Economics, Applied Micro, Spatial Economics

## EDUCATION

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PhD in Economics, **University of Toronto** 2020 - 2026 (Expected)

*Committee:* Kory Kroft (supervisor), Ismael Mourifié, Nathaniel Baum-Snow

B.Sc. in Economics & Mathematics, **University of Toronto** 2016 - 2020

## RESEARCH

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**Monopsony in Space: Commuting Costs & Labor Market Power** (Job Market Paper)

**Decoding Gender Bias in Interviews** (Draft Complete)

*with Ashley C. Craig and Clémentine Van Effenterre*

**The Role of Production Hierarchies in Coordinating Specialization** (In Progress)

*with Kevin Lim and Aloysius Siow*

**Protectionist Tariffs with Third Country Effects** (In Progress)

*with Mahmood Haddara and Daniel Trefler*

## RESEARCH AWARDS AND GRANTS

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University of Toronto Doctoral Fellowship 2020 - 2025

University of Toronto Excellence Award 2020

Nanda Choudhry Prize in Economics 2017-18

## CONFERENCE AND SEMINAR PRESENTATIONS

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Columbia Management, Analytics, and Data Conference (MAD) 2024

IZA Workshop: Matching Workers and Jobs Online 2023

Advances with Field Experiments (AFE) 2023

# PROFESSIONAL EXPERIENCE

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<b>Teaching Assistant: University of Toronto</b>	2020–2026
<ul style="list-style-type: none"><li>• <i>Intermediate &amp; Advanced Undergraduate:</i> Intermediate Micro, Market Design, Economics of Careers &amp; Inequality</li><li>• <i>PhD Level:</i> Quantitative Macro, Microeconomic Theory</li></ul>	

<b>Research Assistant: University of Toronto</b>	2021–2024
<ul style="list-style-type: none"><li>• <i>Prof. Kory Kroft:</i> Empirical analysis of subcontracting’s effect on firm organization; Theoretical derivations for labor market models with market power.</li><li>• <i>Prof. Peter Morrow:</i> Quantitative labor market model simulations in MATLAB; Model design &amp; theoretical derivations.</li></ul>	

# REFeree SERVICE

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American Economic Journal: Economic Policy
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# LANGUAGES

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<b>Language:</b> Arabic (native), English (fluent)
<b>Programming:</b> Stata, R, MATLAB, Julia, Python, L <sup>A</sup> T <sub>E</sub> X

# REFERENCES

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Kory Kroft	Ismael Mourifié	Nathaniel Baum-Snow
Department of Economics	Department of Economics	Rotman School of Management
University of Toronto	Washington University in St Louis.	University of Toronto
150 St. George St	One Brookings Drive	105 St. George St
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## Abstracts

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### **Monopsony in Space: Commuting Costs & Labor Market Power**

(Job Market Paper)

Around 40% of employees in Canada work within 5 km of their place of residence, highlighting workers' preference for proximity to workplace. I leverage a subway expansion in Vancouver during the 2010 Winter Olympics, and show that workers who gained improved access to the subway network experienced an increase in earnings by 1.5-2%. The effect is driven by job switchers who travel farther to new employers. To interpret these findings, I build, identify, and estimate a two-sided labor market matching model featuring wage-posting, commuting costs, and residential choice. Using the estimated model I replicate the reduced form effects, and show that the expansion reallocated workers to more productive firms. I also show that labor market concentration dropped by 10-35% in treated areas due to the expansion. Separately, I use the model to shed light on the role of preference for proximity in shaping the spatial distribution of wage markdowns.

### **Decoding Gender Bias in Interviews**

with Ashley C. Craig and Clémentine Van Effenterre

Performance evaluation in interviews is an important part of hiring decisions. We combine experiments, administrative data and video analysis to understand what drives gender bias during in-person evaluations in the technology industry. Leveraging 60,000 mock interviews on a platform for software engineers, we find that average ratings for code quality are 12 percent of a standard deviation lower for women. We use two field experiments to study what drives these gaps. Our first experiment shows that providing evaluators with automated performance measures does not reduce gender gaps. Our second experiment compares blind to non-blind evaluations without video interaction: There is no gender gap in either case. These results rule out traditional models of discrimination. Instead, we show that gender gaps widen with extended personal interaction, and are larger for evaluators from regions where implicit association test scores are higher. Video analysis of the interviews further shows that female candidates are more likely to apologize; and interviewers show more dismissive behavior toward women, which is linked to lower ratings. Our findings on the critical role of personal interactions provide a potential reason why correspondence studies often fail to detect gender bias.

### **The Role of Production Hierarchies in Coordinating Specialization**

with Kevin Lim and Aloysius Siow

This paper investigates how firms allocate employees with different skills in its hierarchy, and the consequences on within firm inequality. Since Ricardo, economists have recognized the gains from specialization and the division of labor. In order to take advantage of such specialization, the firm has to produce many task outputs and aggregate them into different final products. Each firm has to decide which tasks to do, who to hire to do them and to coordinate the production and aggregation of these different task outputs. Building on Chandler (1993), this paper provides an analytic framework which shows who does what in the organization which, in the end, produces different task outputs to be aggregated into different final products. The two level hierarchy, consisting of a supervisor and their subordinates, is the building block of this organizational perspective. Complex hierarchies are obtained by concatenating multiple two level hierarchies. Transfer pricing provides a mechanism to coordinate each two level hierarchy to produce its efficient level of task output. The CEO chooses tasks and executive managers to do those tasks. Given the CEO choices, each executive manager chooses other tasks and

subordinates to do those, and so on. The choice of tasks by the CEO affects the productivity of executive managers and propagate further down the chain of command. In this way, strategic and communicational skills of higher level managers have large productivity effects on the firm than the skills of lower level managers, explaining why the growth of managerial earnings increase with the level of the hierarchy.

## **Worker Protectionism with Third Country Responses**

with Mahmood Haddara and Daniel Trefler

It is well known that import competition can have strong negative effects on domestic workers. Shielding workers from these shocks is among the primary stated objectives of tariffs. In practice, however, tariffs often fail to increase domestic production. For example, the 2018 US tariffs on China benefited countries such as Thailand and Vietnam far more than domestic producers. These “third country effects” cannot be explained by workhorse trade models. We build on recent methodological advancements to assess the effect of bilateral tariff changes on sectoral employment while incorporating third country effects. Our framework combines flexible substitution patterns with an otherwise standard model of labor market frictions. The effects of tariffs in this environment are heterogeneous across workers and products, providing a rich laboratory for counterfactual analyses. We use our model to quantify the efficacy of tariffs in protecting domestic workers and reversing job losses from free trade.

Last Updated: September 27, 2025