

# Ahmed El Fatmaoui

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## Education

<b>Ph.D. student in Economics</b> Specialization: Labor Economics, Economics of Education, and Health Economics	<a href="#">University of Oklahoma</a> Oklahoma , Norman	Aug 2020 - present
<b>Master of Sc. in Applied Math.</b>	<a href="#">University of Central Oklahoma</a> Edmond, Oklahoma	Jan 2018 - Dec 2019
<b>Associate degree in Mathematics</b>	<a href="#">Oklahoma City Community College</a> Oklahoma City, Oklahoma	Jan 2016 - Dec 2017
<b>Master of Business Administration</b>	<a href="#">University of Central Oklahoma</a> Edmond Oklahoma	Jan 2012 - Dec 2014
<b>Bachelor of Arts in Finance</b>	<a href="#">Knowledge Computer and Business Institute</a> Rabat, Morocco	Aug 2007 - Jan 2011

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## Employment

<b>Research assistant</b> Department of Economics	<a href="#">University of Oklahoma</a> Norman, OK	Aug 2021 - present
<b>Teaching assistant</b> Department of Economics	<a href="#">University of Oklahoma</a> Norman, OK	Aug 2020 - July 2021
<b>Teaching assistant</b> Department of Economics	<a href="#">University of Central Oklahoma</a> Edmond, OK	Jan 2018 - Dec 2019

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## Research Fields

Labor Economics, Economics of Education, and Health Economics

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## Research

### Pre-Doctoral Publications

- Aktas, Mehmet E., Esra Akbas, and Ahmed El Fatmaoui. Persistence homology of networks: methods and applications [Applied Network Science](#), 4.1 (2019): 1-28.

### Submitted Papers/ Forthcoming

- From High School to Higher Education: Is recreational marijuana a consumption amenity for US college students? (solo paper)  
*Abstract:* This paper examines how recreational marijuana legalization (RML) affects first-time college enrollment in the US using a unique college-level dataset and various estimation methods such as difference-in-differences, event study, and synthetic controls. I find that RML increases enrollments by 4.6% to 9%, without compromising degree completion, and it boosts college competitiveness in RML states by offering a positive amenity, as evidenced by the rise in non-local enrollments relative to neighboring states. In addition, I find no evidence that RML affects college prices, quality, or local enrollment. This effect is stronger for non-selective public colleges in early-adopting RML states.

## Working Papers

1. What is the Role of College Athletics? An Analysis of the Population of NCAA Athletes with Tyler Ransom

*Abstract:* Admissions at elite private universities in the United States are becoming increasingly competitive. As competition increases, seats become more and more scarce. This paper analyzes the population of athletes at all Division I NCAA institutions. Using publicly available data from the US Department of Education, the NCAA, and institutions' athletic rosters, we document several novel facts. First, elite institutions enroll more athletes and field more varsity teams than even the largest public institutions, despite having drastically smaller student bodies. To provide further context on the background of athletes at elite institutions, we supplement the institution-level analysis with individual-level data taken from publicly available athletic rosters. Finally, we analyze the effect of a hypothetical policy that would restrict student athletes at each universities to be less than a certain fraction of the overall student body.

2. What Spurs Investment in the Vaccine Industry? Interplay of Competition and Subsidies with Myongjin Kim, Junying Zhao, Ghosh Pallab, and Firat Demir

*Abstract:* This paper investigates the impact of supply- and demand-side policy interventions on firms' output and innovation. Leveraging a unique dataset on vaccine production and development, we evaluate the effectiveness of a tort reform, a supply-side policy intervention that reduces vaccine manufacturers' product liability, and a demand-side policy intervention, the expansion of Medicare coverage of select vaccine products. Our difference-in-differences analysis indicates that while both interventions result in significant increases in vaccine production, the impact of the demand-side policy can be 3-6 times greater in magnitude. There is also evidence suggesting that vaccine development responds exclusively to the demand-side policy.

## Work on Progress

1. From Minutes to Insights: Using Text Analysis To Determine the Effect of College Fees on Student Outcomes.
2. Effects of Federal Recommendation on Vaccination and Neonatal Mortality: Evidence from HBV with Dr. Pallab Ghosh and Dr. Junying Zhao
3. Fracking and Tracking: The Effects of Oil and Natural Gas Wells on the Housing Market with Brent Norwood

## Conference Presentations

- Midwest Economics Association, Cleveland, Ohio, March 2023
- Society of Labor Economists, Philadelphia, Pennsylvania, May 2023
- Southern Economic Association, New Orleans, Louisiana (expected in November 2024)

## Awards and Honors

- Chong Liew Outstanding 1st Year Graduate Student Award, December 2021
- President's Honor Roll, University of Central Oklahoma, July 2018 - December 2019
- 3rd Place in Three Minute Thesis competition, University of Central Oklahoma, April, 2019

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## Teaching

### University of Oklahoma

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| 1. Principles of Macroeconomics | Winter 2023-2024 (expected)    |
| 2. Principles of Microeconomics | Winter 2022-2023               |
| 3. Elements of Statistics       | Winter 2021-2022 & Summer 2022 |

### University of Central Oklahoma

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| 4. Developmental mathematics | Fall 2018 |
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## References

### **Tyler Ransom**

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### **Greg Burge**

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