

# Mario Negrete

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## Citizenship and Visa Status

F-1 visa (current)/Marriage-based green card (pending)

## Education

Ph.D. Economics, The Ohio State University, 2021 (expected)  
Dissertation: "Assessing Equity Momentum Hedging Criteria: An Empirical Investigation"  
Committee: Pok-Sang Lam (chair)  
M.A. Economics, The Ohio State University, 2016  
B.A. Economics, CIDE, 2013

## Teaching and Research Fields

Primary fields: Empirical Finance  
Secondary fields: Macroeconomics

## Research Paper

Assessing Equity Momentum Hedging Criteria: An Empirical Investigation

The development of covering strategies made the momentum anomaly even more intriguing because they use information stored in past volatility to further increase the Sharpe ratio. However, the covering strategies discussed in the literature require more transactions than the uncovered strategy and ignore transaction costs. These strategies improve performance by increasing profits at a higher rate than they increase losses. The Sharpe ratio is a misleading indicator to measure the performance of this kind of covering strategies because it hides increases in standard deviation and extreme losses.

I design a momentum hedging strategy that cannot have more transactions than the uncovered momentum portfolio by construction. This guarantees that it will not have more extreme losses than the uncovered strategy. This covering strategy has higher expected returns than the stock market portfolio and the uncovered momentum portfolio after considering transaction costs for the period between 1992 and 2018.

Furthermore, it is possible to look for better hedging criterion using this hedging strategy because its performance can only improve if it reduces more losses than profits. I document that using the one-month Losers' portfolio Realized volatility is a better hedging criterion than the commonly used six-months momentum portfolio realized volatility because it is more effective at targeting extreme losses while having less effects on extreme profits for the sample period between 1927 and 2018 excluding transaction costs.

## Honors, Scholarships, and Fellowships

2020	Departmental Citation for Excellence in Teaching
2019	Departmental Citation for Excellence in Teaching
2015-2020	Mexican National Council for Science and Technology scholarship

### **Teaching Experience**

AU 2020, Econ 2367	Economic Issues in the United States, OSU, Independent Instructor
SU 2020, Econ 4130	World Economic Development, OSU, Independent Instructor
SP 2020, Econ 2367	Economic Issues in the United States, OSU, Independent Instructor
AU 2019, Econ 4002.01	Intermediate Macroeconomic Theory, OSU, Independent Instructor
SU 2019, Econ 4130	World Economic Development, OSU, Independent Instructor
SP 2019, Econ 4002.02	Intermediate Macroeconomic Theory, OSU, Independent Instructor
AU 2018, Econ 4002.01	Intermediate Macroeconomic Theory, OSU, Independent Instructor
SP 2018, Econ 2001.01	Principles of Microeconomics, OSU, Teaching Administrator
AU 2017, Econ 2002.01	Principles of Macroeconomics, OSU, Teaching Administrator
SP 2017, Econ 2001.01	Principles of Microeconomics, OSU, Recitation Leader
AU 2016, Econ 2002.01	Principles of Macroeconomics, OSU, Grader

### **References**

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Professor Jeffrey Buser  
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