

# JEHU METTE PH.D.

Data scientist with a focus on applied econometrics, time series forecasting, synthetic control algorithms, and quasi-experimental measurements. With over 5 years of experience in econometric research and work experience at a top 100 U.S. business school, several scientific papers, econometrics teaching and communication with non-scientific audiences. I strive for initiative, vision, teamwork, leadership, and value-adding analytical modelling.



## CONTACT

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- jehumette.com
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## SKILLS

Programming

R

Stata

Python

LaTeX

Software & Tools

Visualisation

(e.g. matplotlib, ggplot2, STATA ...)

Data handling/analysis

Tableau/Power BI

SQL

Microsoft Office

Applied econometrics

Forecasting

Research design

Survey design

Causal inference

Supervised Learning

Machine Learning

A/B Testing

Soft skills

Communication

Teamwork

Leadership

Detail oriented

Operating Systems

MacOS

Windows

Languages

English

French

## WORK HISTORY

- 08/2021-Present

CU, David D. Reh School of Business

V. A. Prof. of Economics

I conduct applied economic research within teams or independently for publication in scientific journals and other outlets. My objective is to enhance the visibility of my organization and create learning opportunities for student training in data analysis. In terms of metrics, within the first year, I have been awarded 2 research grants and published 4 papers in scientific journals with 9 additional ones currently under review for future publications. My research uses a mix of parametric and non-parametric econometric methods to measure or forecast the impact of policy change on various sectors of the economy including, wages, income, food prices, carbon emissions, health care spending, and more. I taught several courses in principles and intermediate economics and I am in charge of the introductory course in econometrics and basic statistical analysis for undergraduate business school students. The grants have allowed me to set up the Student Price Index (SPI) project which is an inflation-tracking team of students who get a chance to gather, clean, analyze, interpret and report inflation patterns specific to our university in several categories (tuition, food, housing, groceries, etc).
- 06/2021 - 08/2021

John Hopkins University

Instructor

Taught a course via the Center for Talented Youth (CTY) focusing on *The mathematics of volatile markets*
- 06/2020 - 08/2020

The Africa Center for Strategy & Policy, Washington D.C.

Research analyst

Gather data and write reports for publication by the think tank. The articles pertained to important economic and social issues faced by African communities and had to be presented in a clear and accessible way to interested audiences that may not be formally trained in statistical analysis.

## EDUCATION

- 08/2017 - 08/20121

Kansas State University  
Manhattan, KS

Ph.D. Economics
- 01/2017 - 06/2019

Kansas State University  
Manhattan, KS

M.A. Economics
- 01/2015 - 06/2017

Kansas State University  
Manhattan, KS

B.Sc. Economics

## ACHIEVEMENTS, HONOURS AND AWARDS

- Sustainable Development Research Grant, School of Business, Co-PI (2022)
- Clarkson University Student Price Index, Faculty Research Award PI (2022)
- International Leadership Award , KSU Alumni Association (2018)

## RESEARCH SKILLS

- Vector autoregressions
- Synthetic controls
- Mathematical modelling
- Methods of moments

## CERTIFICATES

- Data scientist with R (Datacamp (33%))
- Human subject research (CITI Program)

## SCIENTIFIC PUBLICATIONS

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### The propagation of public health spending shocks

 Bebonchu Atems, **Jehu Mette**

 2022  Applied Economics Letters,

 [ADS](#)

### The effect of option grants on managerial risk-taking: A review

 Jacon Lin, Chenyong Liu, **Jehu Mette**, Rohan Crichton

 2022  Risks, 10(8), 143

 [ADS](#)

### Autoregression of bilateral trade flow matrices

 Jacob Lin, Jackson Menoher, **Jehu Mette**, Guoxiang Lin

 2022  International Journal of Business & Economics, 7(2), 9-16

 [ADS](#)

### Wind energy utilization and consumer food prices: Evidence from U.S. energy policy shift

 **Jehu Mette**, Jacob Lin

 2022  Oi, Gas & Energy Quarterly, forthcoming

 [ADS](#)

## SELECTED SCIENTIFIC ARTICLES UNDER REVIEW

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### Estimating and forecasting the impact of nonrenewable energy prices on renewable energy consumption

 Bebonchu Atems, **Jehu Mette**, Jacob Lin, Golshan Madraki

 NA  R&R at Energy Policy

 [ADS](#)


### The dynamic effects of educational attainment on crime

 Bebonchu Atems, **Jehu Mette**

 NA  R&R at Plos One

 [ADS](#)

### Measuring the influence of economic uncertainty on U.S. wages

 Tian Liu, **Jehu Mette**

 NA  Under review

 [ADS](#)


### The impact of biomass consumption on food prices

 Bebonchu Atems, **Jehu Mette**

 NA  Under review

 [ADS](#)

### Renewable energy shocks and the US macroeconomy

 **Jehu Mette**, Bebonchu Atems

 NA  Under review

 [ADS](#)

### The attainment of late childhood immigrants

 **Jehu Mette**, Jacob Lin

 NA  Under review

 [ADS](#)

### Does institutional quality lower the effect of education spending on growth?

 William Blankenau, **Jehu Mette**,

 NA  Under review

 [ADS](#)

### Energy reform and renewable energy consumption: Evidence from Austria

 Rohan Crichton, **Jehu Mette**

 NA  Under review

 [ADS](#)

### Is climate policy compatible with economic emergence?

 **Jehu Mette**, Rohan Crichton, James Nicholas

 NA  Under review

 [ADS](#)