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# Emmanuel Selorm Tsyawo

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*Citizenship:* Ghana

*Graduate Coordinator:*

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## Academic Appointments

Adjunct Professor, Temple University, Department of Economics, 2018-

## Education

Ph.D. Candidate, Economics, Temple University, 2018- (*Expected:* May 2020)

Dissertation: "Treatment effects in bayesian and latent variable models"

Committee: [Brantly Callaway](#) (Chair), [Oleg Rytchkov](#), [Charles Swanson](#)

Ph.D. Student, Economics, Temple University, 2014-

B.A., Economics and French (First Class), University of Ghana, Legon, 2013

## Research Interests

Microeconometrics and Empirical Industrial Organisation

## Research Skills

Bayesian Econometrics, Machine Learning, Statistical programming

## Working Papers

1. R&D spillover effects on firm innovation - a spatial approach (Preliminary version available on request)
2. Clustered covariate regression [[SSRN](#)], (with Abdul-Nasah Soale, submitted)
3. Bayesian Distribution Regression [[SSRN](#)], (with Weige Huang)
4. Recovering distributions for the estimation of treatment effects under partly unobserved treatment with repeated cross-sections [[SSRN](#)]

## Work in Progress

1. Unobserved heterogeneity in two-part models (with Brantly Callaway)
2. An SAR spatial matrix estimator

## Teaching

### 1. Temple University

Instructor, Principles of Macroeconomics, Fall 2018, Spring 2019, Fall 2019

Teaching Assistant for Prof. Michael Bonnano, 2014-2016

Teaching Assistant for Prof. Michael Leeds, 2016-2017

Instructor, Principles of Microeconomics, Summer I, 2015, 2016, 2018

Instructor, Intermediate Microeconomics, Summer I, 2018

### 2. University of Ghana, Legon

Teaching Assistant for Dr. Abel Fumey, 2013-2014

## Software

**R packages:** bayesdistreg [[CRAN](#)] [[Website](#)] [[Github](#)] (with Weige Huang), cluscov [[CRAN](#)] [[Website](#)] [[GitHub](#)] (with Abdul-Nasah Soale), RpacSPD [[Website](#)] [[GitHub](#)]

**C projects:** metricsC [[GitHub](#)], RdotC [[GitHub](#)],

**Fortran projects:** metricsFortran [[GitHub](#)]

Matlab, Stata, Octave, Python, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office

## Languages

Ewe (mother tongue), English (fluent, official language of Ghana), French (fluent, DALF C2), Spanish (fluent, DELE B2), German (intermediate), Portuguese (intermediate), Twi

## Honors and Fellowships

1. Research Fellowship, Department of Economics, Summer 2019

2. Research Fellowship, Department of Economics, Summer 2017

## References

**Prof. Brantly Callaway**  
(Dissertation Advisor)  
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