

# SHAKEEL GAVIOLI-AKILAGUN

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## EDUCATION

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2019-23	<b>PhD in Statistics</b> <i>London School of Economics</i>
2018-19	<b>MSc in Statistics by Research</b> <i>London School of Economics (Distinction)</i>
2014-17	<b>BSc in Economics and Econometrics</b> <i>University of York (First Class)</i>
2015-16	<b>Economics and Statistics</b> <i>University of Hong Kong (exchange year)</i>

## PUBLICATIONS & PRE-PRINTS

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Fast and Optimal Inference for Change Points in Piecewise Polynomials via Differencing  
(with P. Fryzlewicz) *In submission*, 2023

Robust Inference for Change Points in Piecewise Polynomials using Confidence Sets (with  
P. Fryzlewicz) *Manuscript upon request*, 2022

Recovering Causal Structures in Change Point Regressions via Hawkes Process Representation  
(with P. Fryzlewicz) *Manuscript in preparation*, 2023

## SEMINARS & CONFERENCES

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2023	16th International Conference on Computational and Methodological Statistics, Berlin (invited); 6th International Conference on Econometrics and Statistics, Tokyo (invited, declined) , Charles University Advanced Statistics Seminars, Prague (invited); Paris-Saclay Change-Point Workshop, Paris (invited)
2022	StatScale Early Careers Researchers Meeting, Brighton (invited), American Statistical Association Joint Statistical Meetings, Washington DC (contributed); International Conference on Robust Statistics, University of Waterloo (contributed, with travel award); Institute of Mathematical Statistics Annual Meeting, London (contributed)
2021	14th Conference on Computational and Methodological Statistics, London (contributed)

## TEACHING

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|---------|--|
| 2023-24 | <ul style="list-style-type: none"><li>- ST226: Actuarial Investigations (Financial)</li><li>- ST445: Managing and Visualising Data</li><li>- ST446: Distributed Computing for Big Data</li><li>- ST457: Graph Data Analytics and Representation Learning</li></ul> |
| 2022-23 | <ul style="list-style-type: none"><li>- ST304: Time Series and Forecasting</li><li>- ST310: Machine Learning</li><li>- ST227: Survival Models</li><li>- ST226: Actuarial Investigations (Financial)</li></ul>  |
| 2021-19 | <ul style="list-style-type: none"><li>- ST304: Time Series and Forecasting</li><li>- ST310: Machine Learning</li><li>- Undergraduate Statistics Practitioner's Challenge</li><li>- MSc Dissertations Quantitative Methods Advisor</li></ul>                        |

## INDUSTRY EXPERIENCE

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| 2019 | <b>Data Science Intern</b><br><i>Competition and Markets Authority</i>                       |
| 2018 | <b>Summer Research Scholar</b><br><i>York Cross-disciplinary Centre for Systems Analysis</i> |
| 2018 | <b>Economics Intern</b><br><i>Competition and Markets Authority</i>                          |
| 2017 | <b>Policy Research Intern</b><br><i>Center for the Study of Democracy</i>                    |
| 2016 | <b>Statistical Research Intern</b><br><i>Institute for Integrated Development Studies</i>    |

## SCHOLARSHIPS & AWARDS

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### ACADEMIC AWARDS

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|------|---|
| 2023 | <b>Postgraduate Travel Award</b><br><i>London School of Economics</i>                               |
| 2022 | <b>Travel Award, International Conference on Robust Statistics</b><br><i>University of Waterloo</i> |
| 2018 | <b>ESRC Studentship, MSc &amp; PhD (1+3) pathway</b><br><i>London School of Economics</i>           |
| 2016 | <b>Achieving Excellence Bursary</b><br><i>University of York</i>                                    |

2017      **National Scholarship Program at York**  
*University of York*

## TEACHING AWARDS

2023      **Class Teacher Award**  
*London School of Economics*  
‘Highly Commended’ for teaching in ST304 seminars.

2021      **Class Teacher Award**  
*London School of Economics*  
‘Highly Commended’ for teaching in ST304 seminars.

## ADDITIONAL INFORMATION

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### JOURNAL REVIEWS

Computational Statistics and Data Analysis, Journal of Business and Economic Statistics, IEE  
Transactions on Information Theory

### TECHNICAL SKILL

Programming languages: R, Python, C++

Markup languages: L<sup>A</sup>T<sub>E</sub>X, HTML + CSS

Human languages: English (native), Italian (native), French (conversational)

### EXTRA CURRICULARS

I help organize a lively discussion group for PhD students in the Statistics department at the London School of Economics; see [here](#). I am also an active member of Mwangaza, the Black PhD student network at my university; see [here](#).