

Address

Department of Government
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Contact details

Web: lurselmans.me
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Date of Birth: 4th September, 1989

RESEARCH INTERESTS

Computational science: Social Simulation, Complexity Science

Political Science: Electoral systems, Immigration dynamics, British Politics

Broader research interests: Transportation Network modelling, Disaster response models, Evolutionary Computing, Dynamic models of spatial dependencies, Neural networks

WORKING PAPERS & PUBLICATIONS

"Combining ethnic segregation and migration: A Schelling model with immigration dynamics" in Artificial life and intelligent agents: Second International Symposium. Springer, 2016. (forthcoming)

"Public responses to migration: Testing the Contact Theory with Agent-based modelling" with Steve Phelps (KCL) (status: revise & resubmit)

"Emergence of pluralistic ignorance of social norms" (Working paper)

Agent-based model of reciprocity in primate grooming, with Yvan Russel (Middlesex) and Steve Phelps (KCL) (ongoing)

EDUCATION & TRAINING**2013-2017 Department of Government, University of Essex PhD**

PhD in Political Science (Government) Fields: Computational Social Science, Behavioural Economics. *Awarded ESRC Scholarship for Economics & Politics*

Thesis: "Social complexity: computational analysis of complex systems in political science: Norms and tolerance of immigrant societies"

Supervisors: Professor Hugh Ward and Dr. Steve Phelps

Expected submission date: July 2017

2016 Oxford Spring School in Advanced Research Methods

Causal Inference

Spatial Data Analysis

Data Visualisation

- 2014 - 2015** **Santa Fé Institute Complexity Explorer**
 Mathematics for Complex Systems
 Nonlinear Dynamics: Mathematical and Computational Approaches
 Introduction to Complexity and Chaos
 Introduction to Mathematical Thinking
- 2014-2016** **Essex Summer School in Social Science & Data Analysis**
 Mathematics for Social Scientists I & II
 Introduction to Network Analysis
 Geocomputation and Analysis
 Spatial Econometrics
- 2013-2015** **Centre for Computational Finance and Economic Agents, University of Essex**
 Agent-based modelling in finance and economics
 Programming in Java
 Learning and Computational Intelligence in Economics and Finance
- 2012-2013** **Department of Government, University of Essex**
 M.A. in Political Science: Quantitative Methods, Theory and Explanation in Political Science, European Integration and European Politics and Political Behaviour
Thesis: “‘The step in between’: How does legitimacy affect state capacity? The mediating power of cleavage structures” Supervisor: Dr. David Hugh-Jones
- 2009-2012** **Department of History & Department of Government, University of Essex**
 B.A. (Joint Hons) Modern History and International Relations (First Class Honours)

EMPLOYMENT

- 2015-present** Research Assistant, Elections and Voters in Britain - University of Glasgow
- 2015** Transcription & Coding Assistantship, Election Leadership Debates - Department of Government, University of Essex
- 2014** Research Assistant, 1961-2001 UK Census data analysis unemployment - Department of Government, University of Essex
- 2012-2013** Digital Media Coordinator, Volunteering team - University of Essex Student Union

2011-2012 Website Administrator, Marketing - University of Essex Student Union

2010 Website analyst - UK Data Archive

TEACHING

2016-present Graduate Teaching Assistant, Ethics and Public Policy – Department of Government, University of Essex

2015 Graduate Teaching Assistant, European Union Politics and Institutions– Department of Government, University of Essex

2014 – 2016 Graduate Teaching Assistant, Scientific Reasoning for the Social Sciences – Department of Government, University of Essex

PRESENTATIONS

“Public responses to migration: A model of out-group tolerance and segregation”

Agents and Intelligent Systems Seminar, Kings College London, November 2016

Elections, Public Opinions and Parties (EPOP), University of Kent, September 2016

“Combining ethnic segregation and migration: A Schelling model with immigration dynamics”,

Artificial Life and Intelligent Agents Symposium (ALIA) 2016, Aston University, June 2016

Computational Models of Ethnocentrism and Diversity, Manchester Metrop., June 2017

“Introduction to Agent-based modelling”

Graduate Quantitative Seminar, Essex, December 2015

“Emergence of pluralistic ignorance of social norms”

UCL Graduate Seminar, University College London, November 2015

Student Conference in Complexity Science, Granada, September 2015

Political Psychology Workshop, University of Kent, June 2015

“British Politics after Brexit” Essex Round Table panel, November 2016

TECHNICAL SKILLS

Software: Stata, SPSS, QGIS, Excel, Netlogo, Eclipse, IntelliJ, Visual Studio

Programming languages: Java, Python, R, JavaScript, C#, LaTeX, HTML5, CSS, UNIX shell script, MySQL, PHP and lua scripting; Visual basic for Excel

Quantitative methods: Statistical knowledge including advanced regression analysis; Agent-based modelling; Machine learning

Languages: English (fluent), German (native), British Sign Language (Level 1), Spanish, French & Dutch (reading knowledge)

REFERENCES

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