

APPOINTMENTS

Institutional

- Founding Director, Data Science Lab, Hertie School, Berlin, 2019 – present.
- Chief Scientific Adviser, Essex County Council, 2017-2019.
- Academic Advisor to the UK Home Office, 2015-2017.

Academic Tenured

- Professor of Data Science and Public Policy, Hertie School, Berlin, 2019 – present.
- Professor of Public Policy and Data Science, Institute for Analytics and Data Science, joint appointment Department of Computer Science and Electronic Engineering and Department of Government, University of Essex, 2017-2019.
- Associate Professor, Department of Political Science, School of Public Policy, University College London, 2014-2017.
- Assistant Professor, Department of Political Science, School of Public Policy, University College London, 2010-2014.

Academic Postdoctoral

- Department of Economics, City, University of London, Adjunct Lecturer in econometrics, 2010-2011.
- Department of Government, MPA Programme, London School of Economics, Postdoctoral Teaching Fellow, 2009-2010.
- Department of Economics and Institute for International Integration Studies, Trinity College Dublin, Postdoctoral Research Fellow, 2008-2009.
- Mannheim Centre for European Social Research, Research Associate, 2009.
- Department of Political Science, Trinity College Dublin, Adjunct Lecturer, 2008-2009.

EDUCATION

- Department of Political Science, Trinity College Dublin, PhD, 2003-2009.
- Department of Statistics, Trinity College Dublin, Postgraduate Diploma in Statistics, 2006. [approx. master's degree without the dissertation component]
- J.W. Goethe University, Frankfurt am Main, Germany, Microeconomics and Business Administration, 2001-2003. [study abroad]
- Beijing Language and Culture University, People's Republic of China, Chinese Language, 1997-1999. [study abroad]
- Department of International Economics, Belarus State Economic University, BSc Econ with Distinction, 1995-2002.

PROFESSIONAL DEVELOPMENT

- Strategic Leaders training programme, University of Essex and Leadership Foundation for Higher Education, 2017-2018: Institutional leadership, inspirational leadership; strategic thinking; strategic planning for growth; financing and budgeting; human resources; performance management; and communication.
- Postgraduate Certificate in Higher Education (PGCE), London School of Economics, 2009-2010.

PROFESSIONAL SERVICE

Discipline

- External expert for the United Nations Department of Political and Peacebuilding Affairs AI and Data Science innovation programme 2020- ; the European Commission Directorate-General for Health and Food Safety, 2021-; “Greener NHS” NHS England, 2021- ; World Bank – Finance, Competitiveness and Innovation Global Practice, 2020-2021; GovTech Knowledge Transfer Consortium, 2018 -2019; UNDP iData Studio, 2017; Department for Business, Innovation & Skills (BIS) COST Action IS0905, 2010-2013
- Social Science One Institutional Committee (<https://socialscience.one/consortium>), 2021-.
- Grant application reviewer, evaluation rapporteur and quality assurance external expert for the German Research Council 2021-2022; Economic and Social Research Council, 2016-2020; Swiss Research Council 2021; World Bank, FCO, DFID, DEFRA, DECC, Department of Health, 2016-2020; Open Society Foundations, 2013-2014.
- External expert of the accreditation panel for AI and Politics degree at Dublin City University, 2022-
- External examiner LSE Methodology Department for MSc Applied Social Data Science and computational social science courses, 2019-2021.
- Programme committee member: Empirical Methods in Natural Language Processing, 2018-2020; Annual Meeting of the Association for Computational Linguistics, 2017-2020; Data for Policy conference, 2016-2019; Frontiers and Advances in Data Science, 2017.
- Reviewer for *American Political Science Review*; *American Journal of Political Science*; *British Journal of Political Science*; *Comparative Political Studies*; *Computer Journal*; *European Journal of Political Research*; *Electoral Studies*; *European Union Politics*; *Government and Opposition*; *Journal of Comparative Economics*; *Journal of Elections, Public Opinion and Parties*; *Journal of European Public Policy*; *Journal of Peace Research*; *Journal of Public Policy*; *Legislative Studies Quarterly* (Editorial Board); *Party Politics*; *Policy and Internet*; *Political Analysis*; *Political Behavior*; *Political Science Research and Methods*; *Political Studies*; *Political Research Quarterly*; *Psychological Methods*; *World Politics*.

Hertie School (2019-present)

- Development, accreditation, launch, and delivery of the MSc Data Science for Public Policy (<https://www.hertie-school.org/en/mds>).
- Founding, building, and growing the Data Science Lab (<https://www.hertie-school.org/en/datasciencelab>).
- Creation and development of the CIVICA social data science seminar series (<https://socialdatascience.network>).
- Creation and development of the Data Science Summer School (<https://socialdatascience.network/summerschool.html>).
- Development of research computing infrastructure for the School (<https://www.hertie-school.org/en/news/news/detail/content/hertie-school-adds-new-state-of-the-art-supercomputing-tool-for-data-science-based-research>).
- Chair of the search committee in computer science and public policy.

University of Essex (2017-2019)

- University lead for the Essex Centre for Data Analytics (ECDA) joining data science and artificial intelligence capabilities across Essex County Council, Essex Police, and University of Essex (<https://www.essexfuture.org.uk/ecda/essex-centre-for-data-analytics/>).

- Development of the MSc in Social Data Science (<https://www.essex.ac.uk/courses/pg01314/1/msc-social-data-science>).
- University Lead (Project Sponsor) of the Catalyst Project and Chair of the Steering Committee, HEFCE £2.2m award (Award #E10). Collaboration between University of Essex and Suffolk and Essex County Councils aimed at transformation of public service delivery: risk stratification models for preventative policy-making; impact evaluation of interventions; and community support through student volunteering.
- Search committees for appointments in artificial intelligence and data science fellowships.

University College London (2010-2017)

- Deputy Director, UCL Q-Step Centre in Quantitative Social Science.
- Department of Political Science Senior Leadership group.
- UCL ESRC DTC Steering Committee.
- Department of Political Science Graduate Tutor (Research), PhD Programme director.
- Departmental committee appointments: departmental research committee, departmental teaching committee, MSc programmes steering committee.
- Search committees for appointments in political economy, qualitative and quantitative methods.

LARGE SCIENTIFIC COLLABORATIONS

- Climate Change and Artificial Intelligence Berlin Brandenburg: academic network for the intersection of artificial intelligence and climate change as the two critical issues of the 21st century. Founding member. (<https://ai.climatechangecenter.de>)
- Lancet Countdown: Research consortium stemming from the 2015 Lancet Commission on health implications of climate change and funded by the Wellcome Trust. This is an interdisciplinary research collaboration between 35 institutions and 120 scientists. Lead contributor to Working Group 5 on public and political engagement. <https://www.lancetcountdown.org>
- Lancet Countdown Europe: Focuses on monitoring health and climate change in Europe and developing new evidence to support policy making by the European Commission, European Environment Agency, and member states. Working group lead for politics and governance. <https://www.lancetcountdown.org/europe/>

PUBLICATIONS

Peer-Reviewed

Nicola Chelotti, Niheer Dasandi, **Slava Jankin Mikhaylov**, "Do Intergovernmental Organizations Have a Socialization Effect on Member State Preferences? Evidence from the UN General Debate", *International Studies Quarterly*, 2022, forthcoming.

Marina Romanello et al. (2021). "The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future", *The Lancet*, in press.

Marina Romanello et al. (2021). "Tracking progress on health and climate change in Europe." *The Lancet Public Health*, in press.

Averill Campion, Mila Gasco, **Slava Jankin Mikhaylov**, and Marc Esteve. "The Challenges of Organizational Factors in Collaborative Artificial Intelligence Projects in the Public Sector." *Social Science Computer Review*, forthcoming.

Hannah Bechara, Alexander Herzog, **Slava Jankin Mikhaylov**, and Peter John (2021). "Transfer learning for topic labeling: Analysis of the UK House of Commons speeches 1935-2014", *Research & Politics*, 8(2).

Niheer Dasandi, Hilary Graham, Pete Lampard, **Slava Jankin Mikhaylov** (2021) "Engagement with health in national climate change commitments under the Paris Agreement: a global mixed-

- methods analysis of the nationally determined contributions", *Lancet Planetary Health*, 5(2): 93-101.
- Niheer Dasandi, Hilary Graham, Pete Lampard, and **Slava Jankin Mikhaylov** (2021). "Intergovernmental engagement on health impacts of climate change." *Bulletin of the World Health Organization*, 99(2): 102-111.
- N Watts et al. (2021). "The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises." *The Lancet*, 397(10269): 129-170.
- Radoslaw Kowalski, Marc Esteve, and **Slava Jankin Mikhaylov** (2020). "Improving Public Services by Mining Citizen Feedback: An Application of Natural Language Processing." *Public Administration*, 98(4): 1011-1026.
- Averill Campion, Mila Gasco, **Slava Jankin Mikhaylov**, and Marc Esteve (2020). "Managing Artificial Intelligence Deployment in the Public Sector." *Computer*, 53(10): 28-37.
- Anastasia Ushakova and **Slava Jankin Mikhaylov** (2020). "Big Data to the Rescue? Challenges in Analysing Granular Household Electricity Consumption in the United Kingdom." *Energy Research & Social Science*, 64, 101428.
- Alexander Herzog and **Slava Jankin Mikhaylov** (2020). "Intra-Cabinet Politics and Fiscal Governance in Times of Austerity." *Political Science Research and Methods*, 8(3), 409-424.
- Padraig Carmody, Niheer Dasandi, and **Slava Jankin Mikhaylov**. (2020) 'Power Plays and Balancing Acts: The Paradoxical Effects of Chinese Trade on African Foreign Policy Positions', *Political Studies*, 68(1): 224–246.
- Irina Pencheva, Marc Esteve, and **Slava Jankin Mikhaylov** (2020) 'Big Data and AI – A transformational shift for government: So, what next for research?', *Public Policy and Administration*, 35(1): 24–44.
- N Watts et al. (2019). "The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate." *The Lancet*, 394(10211): 1836-1878.
- Pomeroy C, Dasandi N, **Jankin Mikhaylov S** (2019). "Multiplex communities and the emergence of international conflict." *PLoS ONE*, 14(10): e0223040.
- Niheer Dasandi and **Slava Jankin Mikhaylov** (2019). "AI for SDG 16 on Peace, Justice, and Strong Institutions: Tracking Progress & Assessing Impact." In International Joint Conference on Artificial Intelligence (IJCAI), 10-16 August 2019, Macao, China.
- Nick Watts et al. (2018). "The 2018 report of the *Lancet* Countdown on health and climate change: shaping the health of nations for centuries to come." *The Lancet*, 392(10163): 2479-2514.
- Slava Jankin Mikhaylov**, Marc Esteve and Averill Campion (2018). "Artificial Intelligence for the Public Sector: Opportunities and challenges of cross-sector collaboration." *Philosophical Transactions of the Royal Society A*, 2018, Volume 376, Issue 2128.
- Nick Watts et al. (2018). "The Lancet countdown on health and climate change: from 25 years of inaction to a global transformation for public health." *The Lancet*, 391(10120): 581-630.
- Stefano Gurciullo and **Slava Jankin Mikhaylov** (2017). "Detecting Policy Preferences and Dynamics in the UN General Debate with Neural Word Embeddings." In *IEEE Proceedings of the 2017 International Conference on the Frontiers and Advances in Data Science*, 23-25 October 2017, Xi'an, China: 74-79.
- Alexander Herzog and **Slava Jankin Mikhaylov** (2017). "Database of Parliamentary Speeches in Ireland, 1919-2013." In *IEEE Proceedings of the 2017 International Conference on the Frontiers and Advances in Data Science*, 23-25 October 2017, Xi'an, China: 29-34.
- Alexander Baturo, Niheer Dasandi and **Slava Jankin Mikhaylov** (2017). "Understanding State Preferences with Text As Data: Introducing the UN General Debate Corpus." *Research and Politics*, 2017, 4(2).
- Kenneth Benoit, Drew Conway, Ben Lauderdale, Michael Laver and **Slava Jankin Mikhaylov** (2016). "Crowd-Sourced Text Analysis: Reproducible and agile production of political data." *American Political Science Review*, 110(2): 278-295.

Alexander Baturo and **Slava Jankin Mikhaylov** (2016). "Blair Disease? Business Careers of the Former Democratic Heads of State and Government." *Public Choice*, 166: 335-354.

Alexander Baturo and **Slava Jankin Mikhaylov** (2014). "Reading the Tea Leaves: Medvedev's Presidency Through Political Rhetoric of Federal And Sub-National Actors." *Europe-Asia Studies*, 66(6): 969-992.

Michael Marsh and **Slava Jankin Mikhaylov** (2014). "A Conservative Revolution: The electoral response to economic crisis in Ireland." *Journal of Elections, Public Opinion and Parties*, 24(2): 160-179.

Alexander Baturo and **Slava Jankin Mikhaylov** (2013). "Life of Brian Revisited: Assessing Informational and Non-Informational Leadership Tools." *Political Science Research and Methods*, 1(1): 139-157.

Jan-Emmanuel De Neve, **Slava Jankin Mikhaylov**, Christopher T. Dawes, Nicholas Christakis, and James Fowler (2013). "Born to Lead? A Twin Design and Genetic Association Study of Leadership Role Occupancy." *The Leadership Quarterly*, 24(1): 45-60. [Winner of the 2013 Leadership Quarterly Best Paper Award].

Kenneth Benoit, Michael Laver, Will Lowe and **Slava Jankin Mikhaylov** (2012). "How to scale coded text units without bias: A response to Gemenis." *Electoral Studies*, 2012, 31(3): 605-608.

Michael Marsh and **Slava Jankin Mikhaylov** (2012). "Economic voting in a crisis: the Irish election of 2011." *Electoral Studies*, 31(3): 478-484.

Thomas Daubler, Ken Benoit, **Slava Jankin Mikhaylov** and Michael Laver (2012). "Natural Sentences as Valid Units for Coded Political Texts." *British Journal of Political Science*, 42(4): 937-951.

Slava Jankin Mikhaylov, Michael Laver and Kenneth Benoit (2012). "Coder Reliability and Misclassification in the Human Coding of Party Manifestos." *Political Analysis*, 20(1): 78-91.

Will Lowe, Kenneth Benoit, **Slava Jankin Mikhaylov** and Michael Laver (2011). "Scaling Policy Preferences from Coded Political Texts." *Legislative Studies Quarterly*, 26(1): 123-155.

Michael Marsh and **Slava Jankin Mikhaylov** (2010). "European Parliament elections and EU governance." *Living Reviews in European Governance*, 5 (4).

Kenneth Benoit, Michael Laver and **Slava Jankin Mikhaylov** (2009). "Treating Words as Data with Error: Estimating Uncertainty in Text Statements of Policy Positions." *American Journal of Political Science*, 53 (2): 495-513.

David Dusseault, Martin Ejnar Hansen and **Slava Jankin Mikhaylov** (2005). "The significance of economy in the Russian bi-lateral treaty process." *Communist and Post-Communist Studies*, 38(1): 121-130.

Working papers

"Topology Analysis of International Networks Based on Debates in the United Nations" (with Stefano Gurciullo), arXiv:1707.09491 [cs.CL], 29 July 2017.

"Complex Politics: A Quantitative Semantic and Topological Analysis of UK House of Commons Debates" (with Stefano Gurciullo, Michael Smallegan, Maria Pereda, Federico Battiston, Alice Patania, Sebastian Poledna, Daniel Hedblom, Bahattin Tolga Oztan, Alexander Herzog, and Peter John). arXiv:1510.03797 [physics.soc-ph], 13 October 2015.

Book chapters and edited volumes

Liam Weeks, Alexander Herzog, and **Slava Jankin Mikhaylov**, "Ireland" in *The Politics of Legislative Debates* (eds. Hanna Back, Marc Debus, and Jorge Fernandes), Cambridge University Press, 2021.

Kakia Chatsiou and **Slava Jankin Mikhaylov**, "Deep Learning for Political Science" in *The SAGE Handbook of Research Methods in Political Science and International Relations* (eds. Luigi Curini and Robert Franzese), SAGE, 2020. Pre-print version <http://arxiv.org/abs/2005.06540>

Liam Weeks, Mícheál Ó Fathartaigh, **Slava Jankin Mikhaylov**, and Alexander Herzog, “More than words’: A quantitative text analysis of the treaty debates”, in *The Treaty: Debating and Establishing the Irish State*, Liam Weeks and Mícheál Ó Fathartaigh, Eds., pp. 206--224. Irish Academic Press, 2018.

“European Elections after Eastern Enlargement: Preliminary Results from the European Election Study 2004.” Michael Marsh, Hermann Schmitt and **Slava Jankin Mikhaylov** (eds.), CONNEX: Mannheim, 2007.

Michael Marsh and **Slava Jankin Mikhaylov** (2009). “Policy Performance and Support for European Integration.” In *The Legitimacy of the European Union After Enlargement*, Jacques Thomassen (ed.), Oxford University Press, pp. 142-162.

Alexander Baturo and **Slava Jankin Mikhaylov** (2006). “I Love You, You Pay My Rent: the Game of Belarusian-Russian Integration.” In *The CIS: Form or Substance*, David Dusseault and Richard Sakwa (eds.), Helsinki University Press, 2006, pp. 98-130.

SUPERVISION

[UCL] Anastasia Ushakova, Assistant Professor in Biostatistics at Lancaster University (**supervisor**)

[UCL] Radoslaw Kowalski, Senior NLP Engineer at Huawei Technologies (**supervisor**)

[UCL] Sofia Collignon, Assistant Professor in Political Communication, Royal Holloway (**supervisor**)

[UCL] Stefano Gurciullo, Partner at Redstone (**supervisor**)

[UCL] Antti-Ville Suni, Lead AI Scientist at Silo AI (**supervisor**)

[Roskilde] Snorre S. Frid-Nielsen, postdoctoral researcher at University of Copenhagen (**examiner**)

[LSE] Jack Blumenau, Associate Professor at University College London (**examiner**)

[UCL] Valerie Ann Pacer (**examiner**)

TEACHING

Graduate

- Machine Learning (UCL, LSE, Hertie School)
- Mathematics for Data Science (Hertie School)
- Natural Language Processing (Hertie School)
- Deep Learning for Natural Language Processing (Hertie School)
- Data Structures and Algorithms (Hertie School)
- Managing Digitalisation and Artificial Intelligence in Government (Hertie School)
- Governance and Politics of Artificial Intelligence (Hertie School)
- Research design (UCL, LSE, Trinity College Dublin)
- Quantitative Methods (UCL)
- Political Economy of Energy Policy (UCL)
- Econometrics (City, University of London)
- Time Series Econometrics (City, University of London)
- Political Science and Public Policy (LSE)

Undergraduate

- Data Science and Big Data Analytics (UCL, LSE)
- Comparative Political Institutions (Trinity College Dublin)
- Quantitative Methods (Trinity College Dublin)
- Transition Politics (Trinity College Dublin)

- Democracy and Development (Trinity College Dublin)

Executive

- Artificial Intelligence for Decision Makers (European Commission, Essex County Council, HM Home Office, Hertie School, United Nations)
- Natural Language Processing for Policy Analysis (European Commission, UNDP, University of Essex)

RESEARCH GRANTS

Grants under review

- 2021 German Research Council (DFG) Open Research Area for the Social Sciences Seventh Call “Understanding the impact of corporate sustainability policies on firms’ sustainability performance.” Joint application with King’s College London, IÉSEG School of Management, and Université Laval. Total funding requested **€1.86m**. PI.
- 2021 German Federal Ministry of Education and Research, “Opportunities and limits of applying of AI-based social media analysis to arms control.” Joint application with Bonn International Centre for Conflict Studies (BICC). Total funding requested **€1.3m**. Co-PI.

Grants awarded

- 2022 Horizon Europe (HORIZON-HLTH-2021-ENVHLTH-02-03) “Climate Action To Advance Healthy Societies in Europe” (CATALYSE). Working group lead on development of innovative health surveillance and forecasting tools that facilitate effective policy response to environmental health hazards caused by climate change. Total funding **€10.354m**. Hertie allocation **€975K**. PI.
- 2021 “Contestations of the Liberal Script” Centre of Excellence “Leader types and Liberal Narratives of the COVID-19 Pandemic” German Research Council (DFG), **€398K**. PI.
- 2021 Hertie School Faculty Fund, “Lancet Countdown Health and Climate Change”, “Detecting Causal Relationships in Text”, “Analysing political discord in social media data”, **€154K**. PI.
- 2021 CIVICA seed funding initiative “Mapping Emotions during COVID-19 pandemic using Twitter data” (EmoMap). Joint project with CIVICA partners (Bocconi, CEU, Hertie School), **€56K**. Co-PI.
- 2020 “Contestations of the Liberal Script” Centre of Excellence, “Data and Methods Centre”, German Research Council (DFG), **€740K**. PI.
- 2019 Stifterverband Innovation Fund, “Data Science for the Common Good”, **€15K**. PI.
- 2019 Riksbankens Jubileumsfond “Mixed methods for analyzing political parties’ promises to voters during election campaigns: Automatic Classification of Policy Pledges.” **€1.1m**. Reference number MXM19-1137:1, Co-I, PI Elin Naurin (University of Gothenburg).
- 2019 ESRC Business and Local Government Data Research Centre, **£1.525m** (total funding including contribution from host institution **£3m**). Co-I and Deputy Director (PI and Centre Director Maria Fasli). ESRC Grant Reference Number ES/S007156/1.
- 2018 Wellcome Trust *The Lancet* Countdown Commission, **£5m**. Working Group 5 Co-I (PI and Chair of the Board Anthony Costello).
- 2018 Catalyst Fund (“Unstructured Data Sharing”, “AI and Data Science: Cross-sector collaboration issues”) **£62K**. PI.
- 2016 UCL Public Policy Awards (“Data Science and Public Sector: UK Home Office”) **£5K**. PI.
- 2016 Irish Research Council (“Irish Treaty Debates”) **€10K**. Co-I.
- 2014 UCL Grand Challenges Awards (“UN General Debate speeches”) **£14K**. PI.

Slava Jankin

- 2014 ESRC Big Data Network: Consumer Data Research Centre (UCL, Liverpool, Oxford, Leeds). Co-I (PI Paul Longley). **£6.1m**.
- 2013 Nuffield Trust/Economic and Social Research Council/Higher Education Funding Council for England: UCL-IOE Q-Step Centre in Quantitative Social Science. Co-I and Centre Deputy Director (PI and Centre Director J vanHeerde-Hudson). **£1.3m**.

INVITED TALKS

University of Gothenburg, May 2021; Bocconi University, November 2020; Applied Machine Learning Days at Swiss Federal Institute of Technology Lausanne, January 2020; Helmholtz Society, Berlin, November 2019; University of Zurich, November 2018; University of Reading, March 2018; Social Science Foo Camp, San Francisco Facebook/O'Reilly/Sage, January 2018; Leiden University, January 2018; Big Data for Good Use, ESRC Festival of Social Science, November 2017; KU Leuven, November 2017; The Royal Society, October 2017; City University of Hong Kong, October 2017; European University Institute, May 2017; University of Barcelona, May 2017; London School of Economics, May 2016; Leiden University, April 2016; Home Office Data Analytics, January 2016; NYU Abu Dhabi, Political Science Division, May 2015; Higher School of Economics, Moscow, May 2013.