

<i>label</i>	<i>topic</i>	<i>terms</i>	<i>examples</i>
<i>AI in decision Making</i>	1	system, decis, algorithm, trust, use, legal, human, data, need, respons	Transparent Rational Decisions by Argumentation (TRaDAr), UKRI Trustworthy Autonomous Systems Node in Governance and Regulation, EthicalML: Injecting Ethical and Legal Constraints into Machine Learning Models
<i>Data Science*</i>	2	problem, model, data, applic, learn, method, algorithm, use, domain, propos	Northwest European Seasonal Weather Prediction from Complex Systems Modelling, Generative Kernels and Score Spaces for Classification of Speech, Warmstarting Techniques for Stochastic Programming Problems solved by Interior Point Methods
<i>Robotic and Automation</i>	3	robot, system, autonom, environ, object, human, learn, task, oper, control	Sustained Autonomy through Plan-based Control and World Modelling with Uncertainty, REcoVER: Learning algorithms for REsilient and VErsatile Robots, Robot In-hand Dexterous manipulation by extracting data from human manipulation of objects to improve robotic autonomy and dexterity - InDex
<i>Others*</i>	4	inform, user, use, technolog, cancer, can, person, process, requir, record	Framework for Computational Persuasion, Novel optimization framework for real-time automated radiation therapy, EPSRC-SFI: SpheryStream
<i>Sound Recognition</i>	5	sound, imag, collect, new, use, audio, archiv, learn, sourc, machin	Making Sense of Sounds, From Lima to Canton and Beyond: An AI-aided heritage materials research platform for studying globalisation through art, Computational wszapproaches to cognition: the origins of social and causal reasoning in children and primates
<i>Industrial Collaboration</i>	6	industri, digit, technolog, new, work, support, develop, impact, innov, collabor	Centre for Digital Citizens - Next Stage Digital Economy Centre, Creative Media Labs: Innovations in Screen Storytelling in the Age of Interactivity and Immersion, The Digital Creativity Hub
<i>AI for Recreation</i>	7	comput, music, creativ, workshop, new, research, game, intellig, network, support	Engaging three user communities with applications and outcomes of computational music creativity, AEOLIAN (Artificial intelligence for cultural organisations), Computer-Human Interactive Performance Symposium (CHIPS)
<i>Urban Twinⁱ *</i>	8	data, (Urban, Twin), model, use, learn, can, transport, digit, machin, new, physic,	deeP redUced oRder predlctive Fluid dYnamics model (PURIFY), Probing for New Physics at the LHC: Unraveling the Higgs Mechanism through Polarisation and Hadronic Decays, Learning an urban grammar from satellite data through AI
<i>Business Analytics</i>	9	servic, busi, see, market, cost, technolog, map, provid, product, requir	Data Science for the Detection of Emerging Music Styles, Bilateral ESRC/FNR: Experimental Assessment of the Societal Impact of Algorithmic Traders in Asset Markets, Unlocking the Potential of AI for English Law
<i>AI as Management Agent</i>	10	agent, human, can, plan, system, intellig, use, argument, decis, comput	Designing Mechanisms for Automated Resource Allocation: A Case for Support, AI Social Agents, Intelligent Agents for Home Energy Management

<i>Evolutionary Computation</i>	11	model, problem, comput, process, use, biolog, can, system, new, design	Network Coding via Evolutionary Algorithms, Rigorous Runtime Analysis of Nature Inspired Meta-heuristics, Watched Literals and Learning for Constraint Programming
<i>UI System-User Interactions</i>	12	system, interact, user, can, use, natur, dialogu, develop, languag, interfac	Unmute: Opening Spoken Language Interaction to the Currently Unheard, MaDrIgAL: MultiDimensional Interaction management and Adaptive Learning, An Infrastructure for Adaptive System Development
<i>Knowledge Generation</i>	13	data, use, method, work, approach, new, report, provid, model, techniqu	Analysing Narrative Aspects of UK Preliminary Earnings Announcements and Annual Reports: Tools and Insights for Researchers and Regulators, Fast Generalised Rule Induction, Matheuristics for multi-criterion data clustering: towards multi-criterion big data analytics
<i>Healthcare</i>	14	patient, diseases, data, use, can, clinic, health, healthcar, care, risk	Integrated Technology Platform to Support Optimal Management of Ageing with Diabetes, SPHERE - A Sensor Platform for Healthcare in a Residential Environment (IRC Next Steps), Feasibility Study: Integrating Games-Based Learning and Computational Modelling to Control MRSA.
<i>Natural Language Processing</i>	15	model, languag, learn, use, translat, data, machin, human, can, system	Non-Parametric Models of Phrase-based Machine Translation, Bayesian Synchronous Grammar Induction, Modelling Discourse in Statistical Machine Translation
<i>Programming</i>	16	use, comput, softwar, techniqu, develop, secur, can, automat, human, theori	Fast Runtime Verification via Machine Learning, Automatic repair of natural source code, Statistical Natural Language Processing Methods for Computer Program Source Code
<i>Neural Networking</i>	17	learn, brain, network, comput, neural, use, new, design, process, can	Brain-inspired non-stationary learning., MOA: High Efficiency Deep Learning for Embedded and Mobile Platforms (Full EPSRC Fellowship Submission), Automating electron microscopy: machine learning for cluster identification
<i>Data Analytic</i>	18	data, develop, monitor, use, detect, system, sensor, analysi, inform, cloud	Integrated software solution for the 3-dimensional capture and analysis of footwear evidence, CRITiCaL - Combatting cRiminals In The CLoud, SENSUM: Smart SENSing of landscapes Undergoing hazardous hydrogeological Movement
<i>Chemistry</i>	19	new, use, drug, materi, develop, equip, process, cell, manufactur, make	A Robot Chemist, High-throughput Differential Expression Proteomics, Capital award for Core Equipment
<i>Ontology</i>	20	knowledg, ontolog, reason, use, concept, can, system, model, exampl, web	ConDOR: Consequence-Driven Ontology Reasoning, HermiT: Reasoning with Large Ontologies, LogMap: Logic-based Methods for Ontology Mapping

ⁱ The package `toLDaviz` provide alternative way to evaluate term relevance. Term “urban” and “twin” were amongst exclusive to topic 8, hence topic 8’s lebal.