

MINE - Machine learning Intelligence Network for Epidemics

Research & Network Workshop..... 3
Network Members 4
Contact us ... 8



Machine learning Intelligence Network for Epidemics

Department of Architecture

Research

History and Theory

Cambridge Design Research S

Global Urban

- > Global Land Enclosures, Urban Technology, and Experimental P Medellín's Comunas
- > African Modernism: Architect Independence
- > The Centre for Urban Conflicts
- > AHRC Filming Energy Research Network (FERN)
- > Conflict in Cities

Natural Materials and Structur

The Martin Centre: Sustainable buildings and cities

Early Career Schemes

Research Seminars

Ethics

Visiting Scholars

Machine learning Intelligence Network for Epidemics (MINE) brings together a team of multidisciplinary researchers and experts from the UK and India to develop new methods and approaches for understanding, predicting and mitigating epidemics using state-of-the-art machine learning and artificial intelligence. The team will look at epidemic impacts in the transdisciplinary domains of built-environment, energy, society and urban health.

The project will use multi-modal data including demographics, geo-spatial, weather pattern, built environment and molecular level data for devising strategies for long term disease risk reduction. The methods will be developed through a workshop which is aimed at building capabilities of early career researchers to acquire interdisciplinary perspectives, knowledge and skills needed for epidemics research. This workshop will address the challenges of epidemics with specific reference to the promotion of health of socio-economically deprived groups. The consortia will also contribute to the development of a Master's level course curriculum to build future capacities in strengthening urban health in the Global South.

The details of the workshop and call for participants will be shortly announced!

Principal Investigators: Dr Ronita Bardhan, UK; Dr Jacquleen Joseph, India

Institution Network: University of Cambridge, UK, University of Oxford, UK, Tata Institute of Social Sciences, India, Indian Institute of Technology Bombay, India, Haystacks Analytics Pvt. Ltd, Mumbai, India

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For additional information visit <https://www.newton-gcrf.org>



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