About ATI

The Alan Turing Institute, headquartered in the British Library, London, was created as the national institute for data science in 2015. In 2017, as a result of a government recommendation, we added artificial intelligence to our remit.

Our global ambitions — While our first two years have been focused on making the Turing a national success, we recognise that data has no boundaries, and engaging internationally will be critical to ensuring that the UK's strengths in data and AI have global impact. Looking ahead, we will develop a strategy for international engagement which supports our remit and goals and which champions UK talent on the global stage.

Contents

Alan Turing Institute (ATI)

Description:

The Alan Turing Institute is the national institute for data science and artificial intelligence, with headquarters at the British Library

Stakeholder(s):

British Library

Alan Turing :
The Institute is named in honour of Alan Turing (23 June 1912 – 7 June 1954), whose pioneering work in theoretical and applied mathematics, engineering and computing are considered to be the key disciplines comprising the fields of data science and artificial intelligence.

UK Engineering and Physical Sciences Research Council

ATI Founding Universities :
Five founding universities – Cambridge, Edinburgh, Oxford, UCL and Warwick – and the UK Engineering and Physical Sciences Research Council created The Alan Turing Institute in 2015.

Cambridge University

Edinburgh University

Oxford University

UCL University

Warwick University

Other ATI Partner Universities :
Eight new universities – Leeds, Manchester, Newcastle, Queen Mary University of London, Birmingham, Exeter, Bristol, and Southampton – joined the Institute in 2018.

Leeds University

Manchester University

Newcastle University

Queen Mary University of London

Birmingham University

Exeter University

Bristol University

Southampton University

Vision

The world is changed for the better

Mission

To make great leaps in data science and artificial intelligence research

Values

Research: We undertake research which tackles some of the biggest challenges in science, society and the economy.

Collaboration: We collaborate with universities, businesses and public and third sector organisations to apply this research to real-world problems, with lasting effects for science, the economy, and the world we live in.

Excellence: We are here to help to make the UK the best place in the world for data science and AI research, collaboration, and business.

Integrity: Research excellence is the foundation of the Institute: the sharpest minds from the data science community investigating the hardest questions. We work with integrity and dedication.

Dedication

Innovation: Our researchers collaborate across disciplines to generate impact, both through theoretical development and application to real-world problems. We are fuelled by the desire to innovate and add value.

Impact

1. Research & Application

Advance world-class research and apply it to real-world problems.

Advance world-class research and apply it to real-world problems: innovate and develop world-class research in data science and artificial intelligence that supports next generation theoretical developments and is applied to real-world problems, generating the creation of new businesses, services, and jobs.

1.1. Theory

Innovate and develop world-class research in data science and artificial intelligence that supports next generation theoretical developments.

1.2. Application

Apply research results to real-world problems, generating the creation of new businesses, services, and jobs.

2. Training

Train the leaders of the future.

Stakeholder(s)

Leaders

Train the leaders of the future: train new generations of data science and AI leaders with the necessary breadth and depth of technical and ethical skills to match the UK's growing industrial and societal needs.

2.1. Data Science

Train new generations of data science.

2.2. AI

Instill AI leaders with the necessary breadth and depth of technical and ethical skills to match the UK's growing industrial and societal needs.

Stakeholder(s):

AI Leaders   **UK Society**

UK Industries

3. Conversation

Lead the public conversation.

Stakeholder(s)
The Public

Lead the public conversation: through agenda-setting research, public engagement, and expert technical advice, drive new and innovative ideas which have a significant influence on industry, government, regulation, or societal views, or which have an impact on how data science and artificial intelligence research is undertaken.

3.1. Research

Conduct agenda-setting research.

3.2. Engagement

Engage the public.

3.3. Advice

Offer expert technical advice.

3.4. Innovation

Drive new and innovative ideas which have a significant influence on industry, government, regulation, or societal views, or which have an impact on how data science and artificial intelligence research is undertaken.

Administrative Information

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