

A World
Leading SFI
Research
Centre



Insight SFI Research Centre for Data Analytics

Insight is one of the largest data analytics centres in Europe. It undertakes high-impact research, seeks to derive value from Big Data and provides innovative technology solutions for industry and society by enabling better decision-making.

Insight

SFI RESEARCH CENTRE FOR DATA ANALYTICS



Insight is driven by €150m in funding, supporting 450 researchers across areas such as **Fundamentals of Data Science, Sensing and Actuation, Scaling Algorithms, Model Building, Multimodal Analysis, Data Engineering and Governance, Decision Making and Trustworthy AI.**

Research Challenges

- › Foundations of Data Science
- › Sensing and Actuation
- › Scalability
- › Multimodal Data Analysis
- › Data Engineering and Governance
- › Decision Making

Application Domains

Insight applies its research across four application domains:

- › Augmented Human
- › Smart Communities
- › Smart Enterprise
- › Sustainability

Industry and Commercialisation

Insight's mission and leadership vision are to continually advance the relatively nascent discipline of data science in an industry informed manner to ensure that Ireland continues to be a leader in the ongoing global trend of digitalisation. This is achieved by bringing together recognised world class research leaders in core data analytics research topics.

Insight's expertise covers the whole data value chain, from the integration of multiple heterogeneous data sources to discovering patterns and trends in data and making explainable sense of them.

Interdisciplinary Research

Interdisciplinary research is at the heart of Insight as demonstrated through a growing number of thematic focus areas, including:

- › Cultural Analytics
- › Data Driven Collaboration in Large Organisations
- › Medical Imaging
- › Next Generation Sensor Technology
- › Recreational Running
- › Well-being and Personal Development in our Digital World
- › Trustworthy AI

Education and Public Engagement:

Education & Public Engagement is a strategic priority for Insight, and its vision is to build an empowered, scientifically engaged, inclusive and creative society, underpinned by a commitment to involve citizens in data science and embed a culture of engagement within Insight.

The centre's EPE activities include working with community groups on the development of engaged research projects that are relevant and applicable to that community, engaging with students and youth groups of all ages to undertake stimulating STEM activities and visiting schools nationwide, especially in geographically isolated areas.

HOST INSTITUTIONS



PARTNER INSTITUTIONS



FUNDED BY:



Industry partners include:

- › Abtran
- › Acquis BI
- › AIB
- › Analog Devices
- › ARUP
- › Aspire Academy
- › Avaya
- › Aviva
- › Boston Scientific
- › Curtiss-Wright
- › Eagle Alpha
- › Fidelity Investments
- › Flashpoint
- › Fujitsu
- › GAA
- › Huawei
- › IRFU
- › InsulCheck
- › Irish Times
- › Keepak
- › NitroSell
- › Orreco
- › Rubicoïn
- › SAP
- › Shimmer
- › Stryker
- › Transpoco
- › Xperi

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