



<b>Research Centre</b>	Insight SFI Research Centre for Data Analytics
<b>Post Title</b>	Research Fellow in Data and Analytics
<b>Level on Framework:</b>	Level 2
<b>Post Duration</b>	Fixed Term Contract up to 31st Dec 2022

### **Background**

The Insight SFI Research Centre for Data Analytics (<http://www.insight-centre.org>) is an SFI funded Research Centre which brings together researchers from University College Dublin, NUI Galway, University College Cork, and Dublin City University, as well as other partner institutions, Trinity College Dublin (TCD), University of Limerick (UL), Maynooth University (MU) and Tyndall National Institute. It creates a critical mass of more than 400 researchers from Ireland's leading ICT clusters to carry out research on a new generation of data analytics technologies in a number of key application domain areas, such as Health and Human Performance, Smart Communities, Internet of Things, Enterprise and Services and Sustainability and Operations.

The €150m Centre is funded by Science Foundation Ireland and a wide range of industry and European Union partners. Insight's research focus encompasses a broad range of data analytics technologies from machine learning, decision analytics and social network analysis to linked data, recommender systems and the sensor web. Together, with more than 220 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

### **Research Career Framework**

As part of this role the researcher will be required to participate in the DCU Research Career Framework (<http://dcu.ie/hr/ResearchersFramework/index.shtml>). This framework is designed to provide significant professional development opportunities to researchers and offer the best opportunities in terms of a wider career path.

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which you can advance your academic career.

### **The Project**

The project proposed is collaborative between Data and Analytics Research Centre based in DCU and the Centre of Excellence for Data and Analytics within AIB, based in Dublin. The project is intended to be initially exploratory in nature assessing research questions of mutual interest to the collaborative parties and successful candidate, such that the outcome solves real life problems. The aim of the project is to design and build a solution to a Data and Analytics problem leading to its practical application.

The research questions themselves will be agreed between both parties and directed by the researcher so that the work is both publishable and practically applied immediately post design.

## **Principle Duties and Responsibilities**

Please refer to the job description for a full list of duties and responsibilities associated with this role

## **Qualifications, Skills and Experience Required**

### **Minimum Criteria**

- A PhD in Computer Science, Engineering or a related discipline
- A minimum of 4 years' postdoc experience,

### **Desirable Criteria**

- Relevant experience working in Industry
- A proven track record of delivery and success
- Experience of conducting self-directed research
- An international research profile and a track record of publications record in high-quality international journals and conferences.

Applicants should possess advanced computing skills and should have analytical and problem solving skills, excellent communication skills, as well as knowledge of some of the relevant academic literature. In addition, candidates should have a high level of interpersonal skills, team working skills, the ability to work collaboratively with others, report writing, time management skills and ability to work to deadlines. Desirable attributes also include experience in industry-led research with international patent output, presentation skills and academic article writing skills.

### **Candidates will be assessed on the following competencies:**

**Discipline Knowledge & Research skills** – Demonstrates the ability to design and/or implement a substantial programme of research including initiating and leading new research programmes (for example by using critical judgement and an understanding of new research methodologies)

**Understanding the Research Environment** – Demonstrates a thorough understanding of the research environment both nationally and internationally, the ability to secure significant research funding and where relevant the ability to apply for intellectual property rights and/or patents for their research

**Communicating Research** – Demonstrates excellence in communicating their research nationally and internationally (for example by publishing in high quality peer reviewed journals of international standing and through invitation to participate in commercial research) and the ability to deliver teaching based on their own research

**Managing & Leadership skills** – Successfully leads and manages research programmes including the management and supervision of a small research team and the financial management of research programmes

### **Mandatory Training:**

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety, Research Integrity and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

**Additional Information:**

The successful candidates will be offered opportunities for developing their own careers in a number of directions including support for conference/workshop travel, upskilling through Insight's continuous professional development in areas like research ethics and data privacy, student supervision and development and submission of their own research project proposals.

**Closing Date: 8<sup>th</sup> January 2021**

**Salary Scale: € 55,811 - € 59,097 (Point 1 – Point 3 of the IUA Research Fellow Salary scale)**

*\*Appointment will be commensurate with qualifications and experience*

**Informal enquiries to:**

Prof Tomas Ward, AIB Chair of Data Analytics at the School of Computing, Dublin City University.  
Email: tomas.ward@dcu.ie,  
Ph: (01) 700 6076.

Please do not send applications to these email addresses, instead apply as described below.

**Application Procedure**

Application forms are available from the DCU Current Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>.

Applications must be submitted by e-mail to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

**Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1424A Research Fellow in Data and Analytics**

**Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment are available at [www4.dcu.ie/policies/policy-starter-packs.shtml](http://www4.dcu.ie/policies/policy-starter-packs.shtml).**