

The Future of AI Skills

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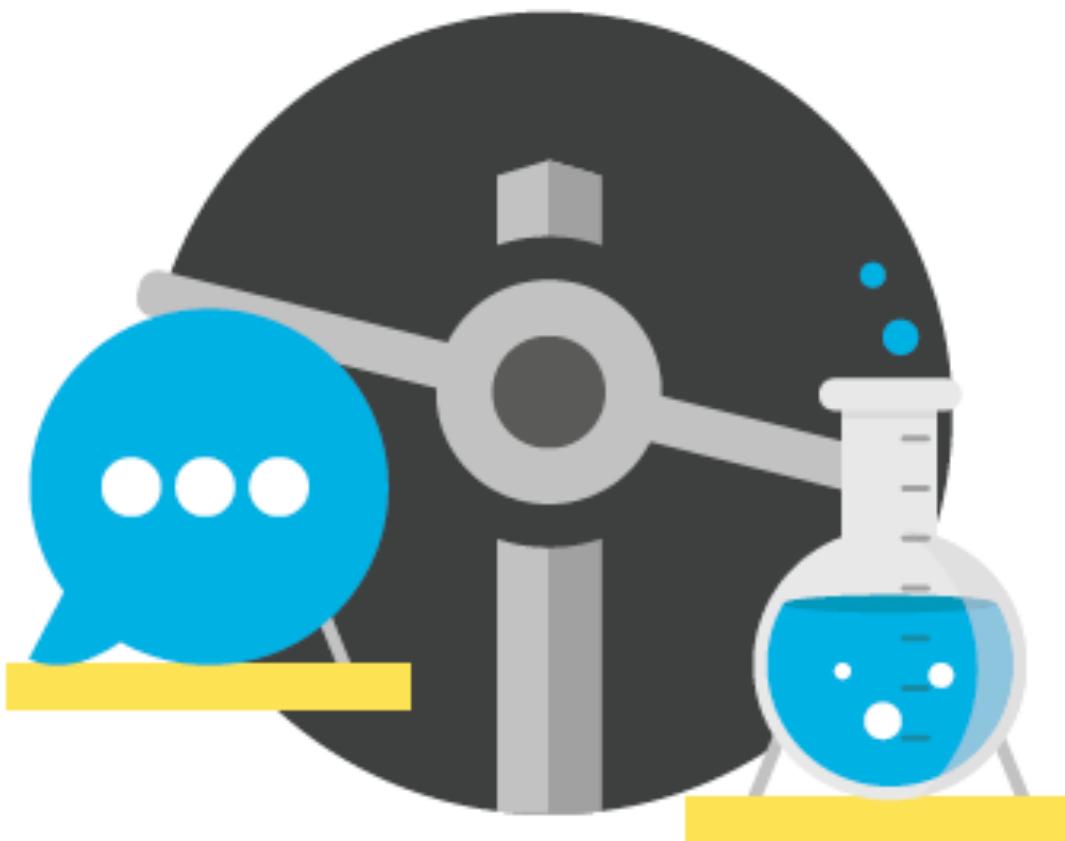
Resources: <https://github.com/MattForshaw/AIFestival-2021>

AI Festival, 25th February 2021

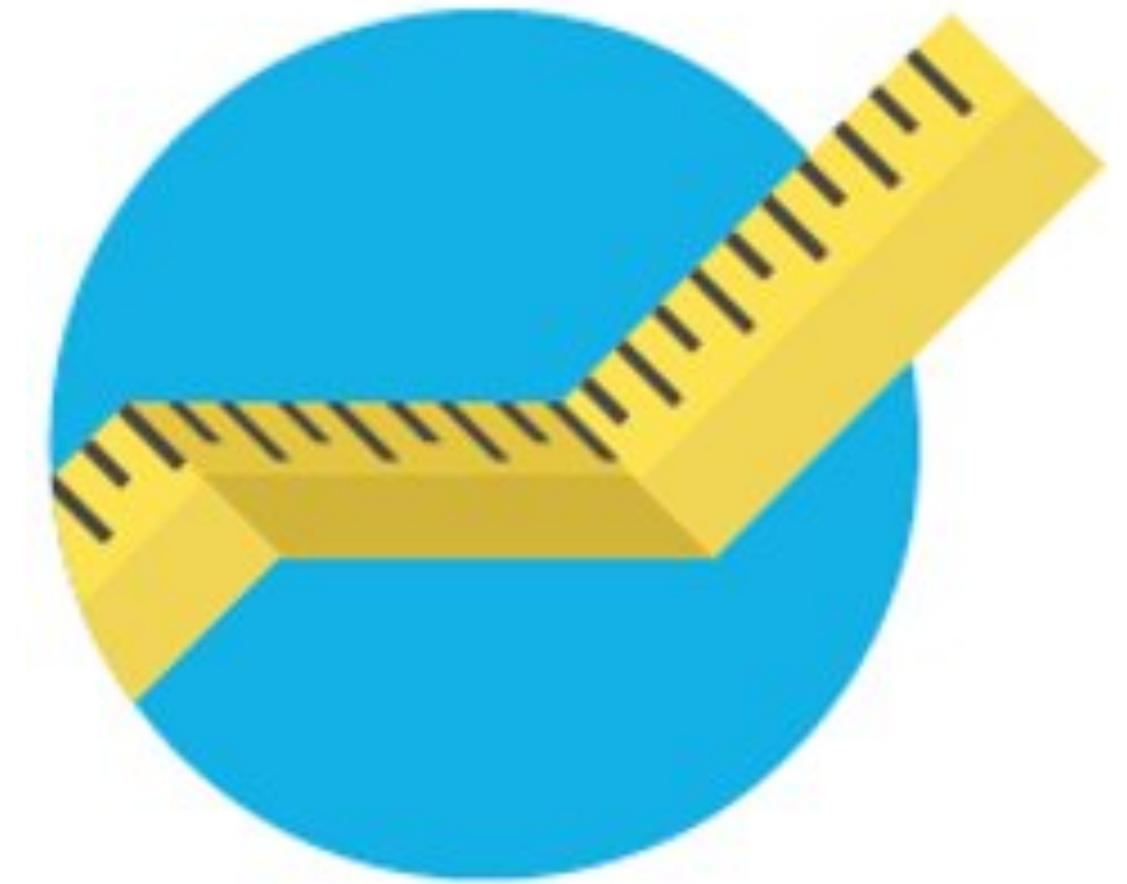
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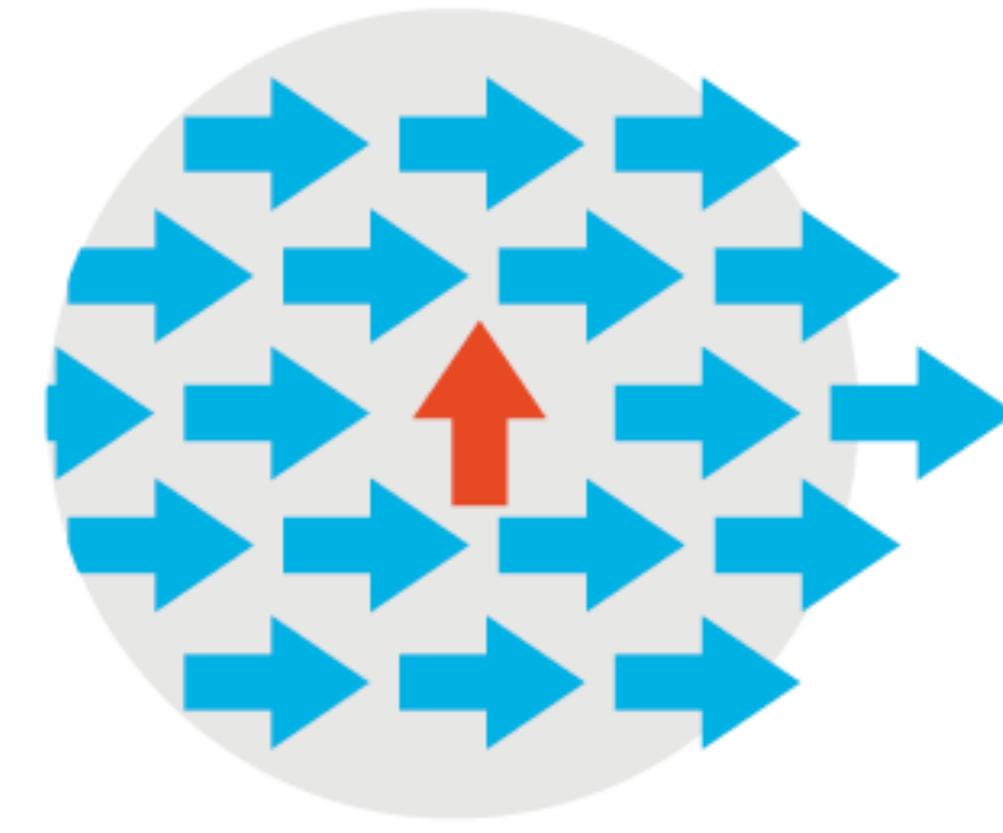
Challenges and Opportunities in the data science and AI skills landscape



Terminology and Nomenclature
Lack of agreed definitions and role descriptors



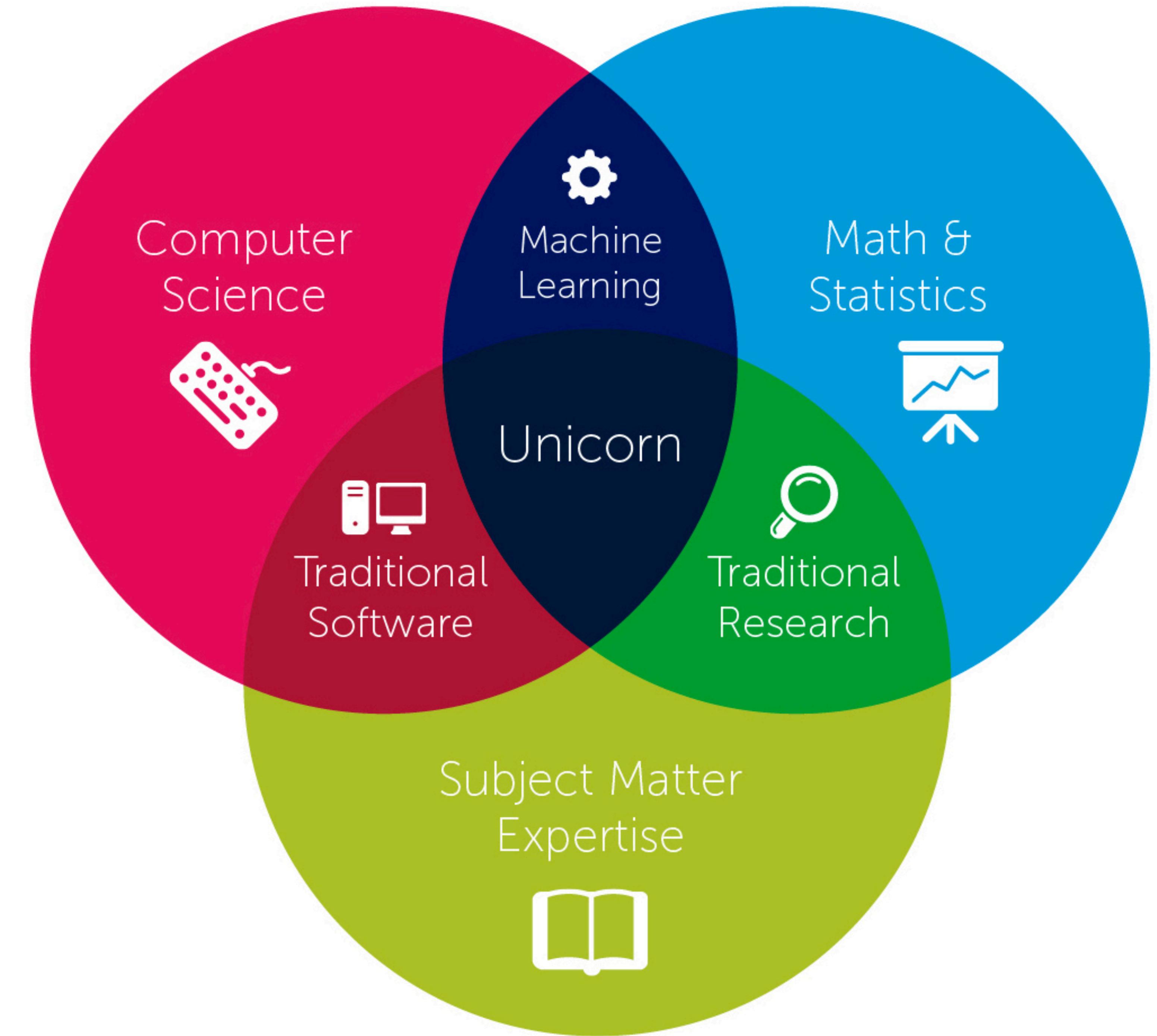
Data Deficit
Restricting strategic planning and decision-making



Lack of alignment
Mismatch between academic/industry need and skills offerings



Raising awareness and widening access
Visibility of, and access to, the variety of routes to training among students, employees and industry



**85% of big data and data
science projects fail to move
from proof-of-concept (POC)
to production.**

Gartner[®]



Newcastle
University



National
Innovation
Centre
Data

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Newcastle University



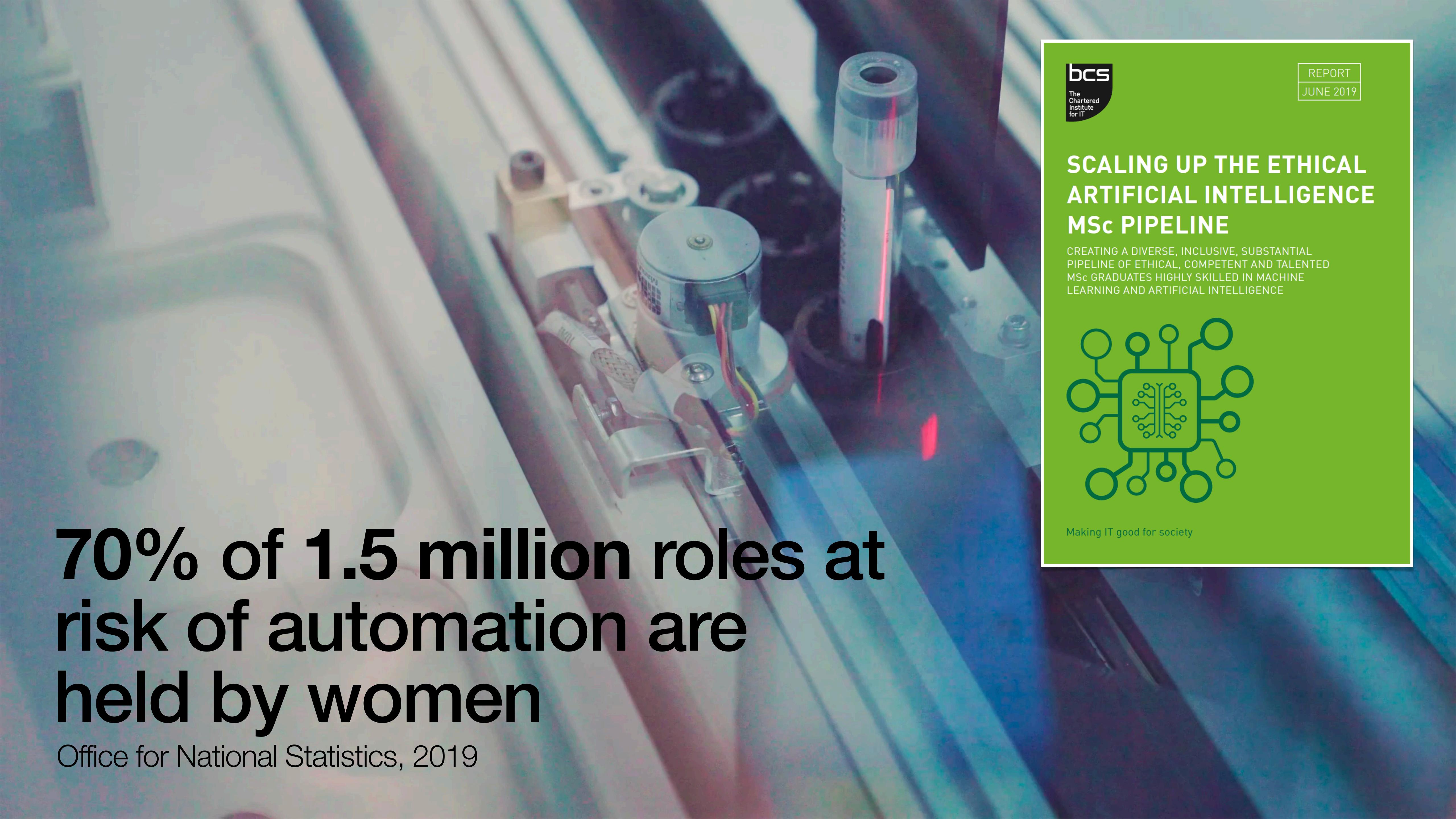
CODE OF ETHICAL BEHAVIOR



Homer Simpson is shown in a futuristic, metallic control room. He is wearing a light blue jumpsuit and has a surprised or excited expression. He is looking towards the right side of the frame. In the background, there is a large screen displaying the text "DAYS WITHOUT DISCRIMINATORY AI". To the left of the screen, there is a small inset showing a close-up of a hand holding a glowing green and yellow device, possibly a power source or a tool. The room has various pipes, cables, and a control panel with a gauge and buttons. The overall aesthetic is a blend of the iconic Simpson character with a modern, technological setting.

DAYS WITHOUT
DISCRIMINATORY AI





70% of 1.5 million roles at risk of automation are held by women

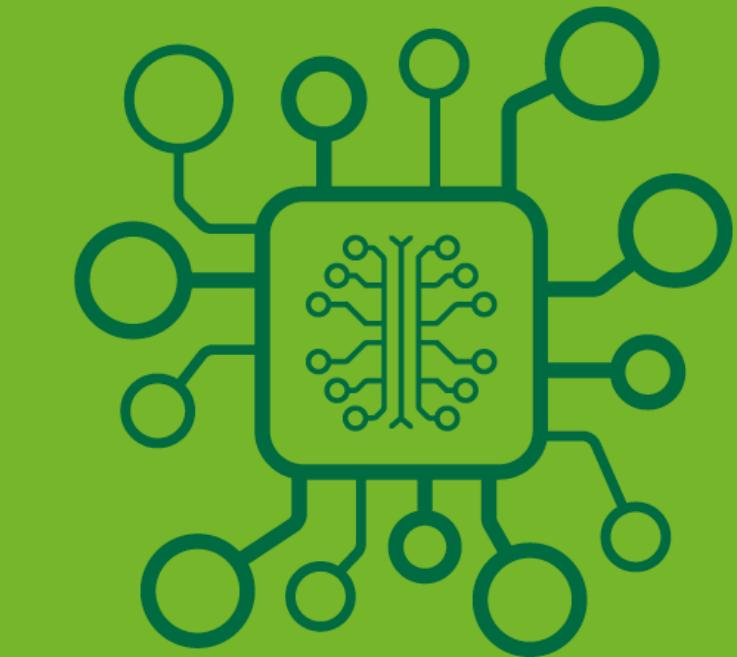
Office for National Statistics, 2019



REPORT
JUNE 2019

SCALING UP THE ETHICAL ARTIFICIAL INTELLIGENCE MSc PIPELINE

CREATING A DIVERSE, INCLUSIVE, SUBSTANTIAL PIPELINE OF ETHICAL, COMPETENT AND TALENTED MSc GRADUATES HIGHLY SKILLED IN MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE



Making IT good for society

Freethinkers wanted

Your future in AI and data science starts here



#JoinYourAIFuture

“launch an online portal to support businesses’ access to data skills training, helping signpost SMEs to good-quality online training material matched to their technical data science capabilities and ambitions”.

*Forthcoming commitment of the **Digital Strategy** and **National Skills Fund***

The screenshot shows two views of the Data Skills Taskforce website. The left view displays the 'Data Skills Self-Assessment Results' page, which includes four trophy icons representing 'Use of Data', 'Tools', 'Culture and Governance', and 'Skills'. Each section provides a summary of findings and a 'Recommendations' button. Below these are four expandable sections: 'Use of Data', 'Tools', 'Culture and Governance', and 'Skills'. The right view shows a 'Feedback For Matt' interface, featuring a sidebar with a 'Feedback For Matt' button, a main area with a 'ASSESSMENT TOOL' section, and a bottom section with a 'REGISTER FOR UPDATES' button and a 'Example Results' button.

Data Skills Self-Assessment Results

Thank you for completing your data skills self-assessment. Below you will find a summary of your results, and links to relevant sources of training and resources.

Use of Data

You report a high level of maturity with respect to Use of Data.

Tools

You have highlighted a primary opportunity for development around Tools.

Culture and Governance

You have highlighted a primary opportunity for development around Culture and Governance.

Skills

You have reported strengths in your organisation practice around Skills, with some key recommendations for future development.

Use of Data

Tools

Culture and Governance

Skills

The following case studies have been matched based on your sector and readiness level.

Feedback For Matt

ASSESSMENT TOOL

Feedback For Matt

REGISTER FOR UPDATES

Example Results

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Department for
Digital, Culture
Media & Sport



Building Society

accenture

DST Data Skills Taskforce



Support developing diverse teams across disciplines.



Democratise and widen access to training which is responsive and “at scale”



Ensure strong alignment between training and industry/academic needs

BBC - BBC and partners announce new apprenticeship to drive data skills in the UK

bbc.co.uk/mediacentre/latestnews/2019/data-skills-apprenticeship

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BBC Matthew



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BBC and partners announce new apprenticeship to drive data skills in the UK

Date: 07.10.2019 Last updated: 07.10.2019 at 16.30

Category: Corporate; Online and interactive

Employers, recent graduates, people interested in technology and employees will be able to benefit from a new apprenticeship that has been created with the BBC, UK universities and a number of agencies.

Employers, recent graduates, people interested in technology and employees will be able to benefit from a new apprenticeship that has been created with the BBC, UK universities and a number of agencies. The Level 7 Artificial Intelligence (AI) Data Specialist Apprenticeship will give people the skills to help the BBC and others stay ahead in a data-driven future.

In 2017, the BBC launched a major Data Science Research Partnership with eight UK universities. Working with a number of organisations such as BT, EasyJet and TUI, the BBC designed and developed this new apprenticeship.

Data is important to the BBC for two reasons:

- In order for the BBC to remain relevant in an era of streaming and subscription services, the BBC uses data to make its products and

“

The introduction of this new standard will help to build the next generation of talent in AI, who are so integral to the future of our society and the UK's industrial ambitions.”

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Search the site

Can't find what you need? Search here

Enter a subject, topic or keyword



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