### Data Skills Masterclass 15th April 2021

#### **Matt Forshaw**

Senior Lecturer in Data Science, Newcastle University National Skills Lead, The Alan Turing Institute

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Resources: https://github.com/MattForshaw/DataMasterclass-April2021

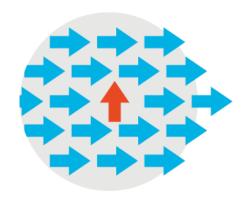
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## Challenges and Opportunities in the data science and Al skills landscape



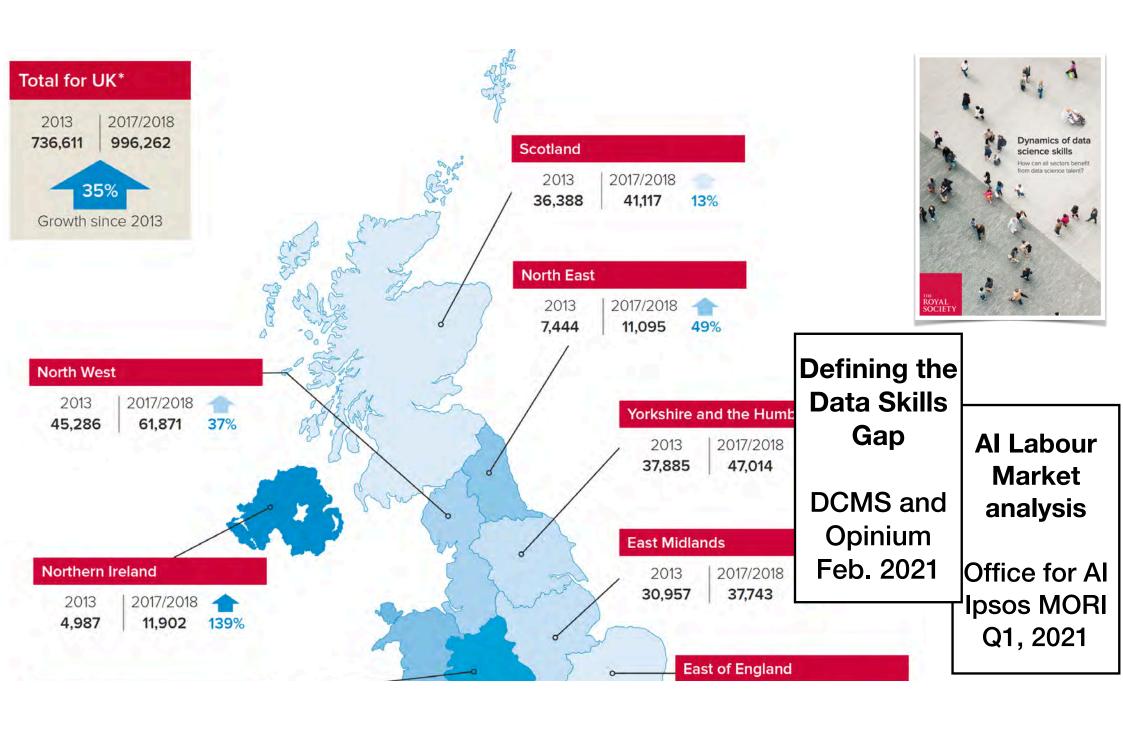
Terminology and
Nomenclature
Lack of agreed definitions and
role descriptors

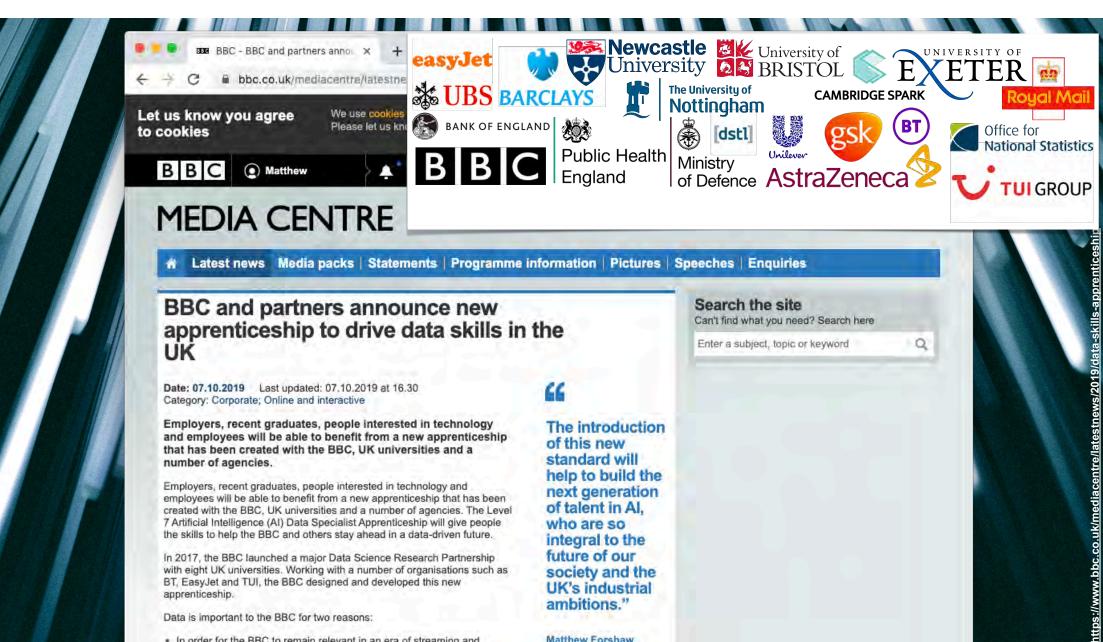


Lack of alignment
Mismatch between academic/
industry need and skills offerings



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





Date: 07.10.2019 Last updated: 07.10.2019 at 16.30 Category: Corporate; Online and interactive

UK

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.

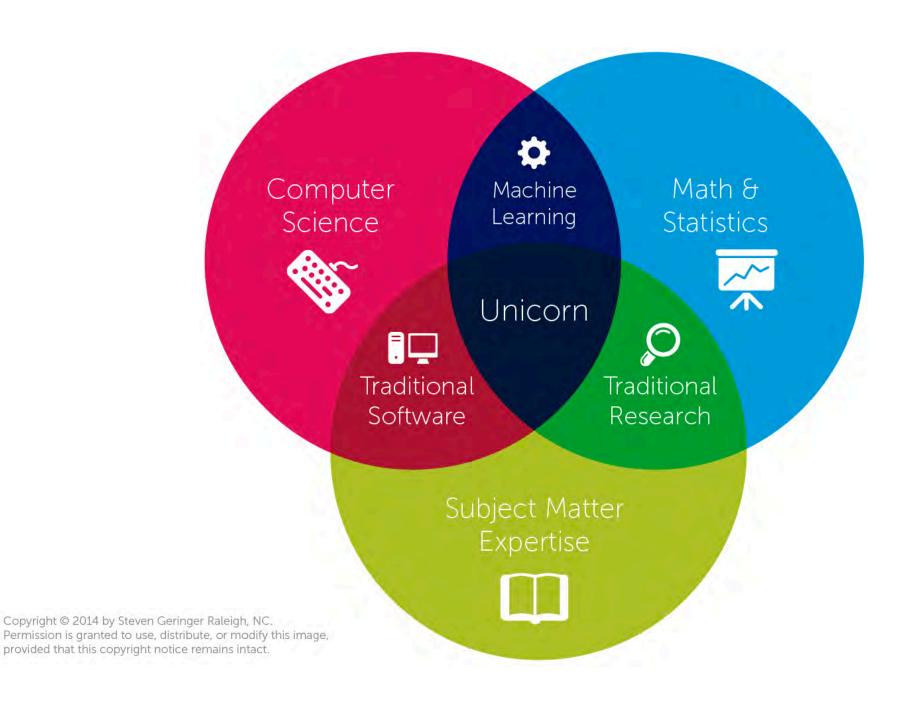
Data is important to the BBC for two reasons:

. In order for the BBC to remain relevant in an era of streaming and

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

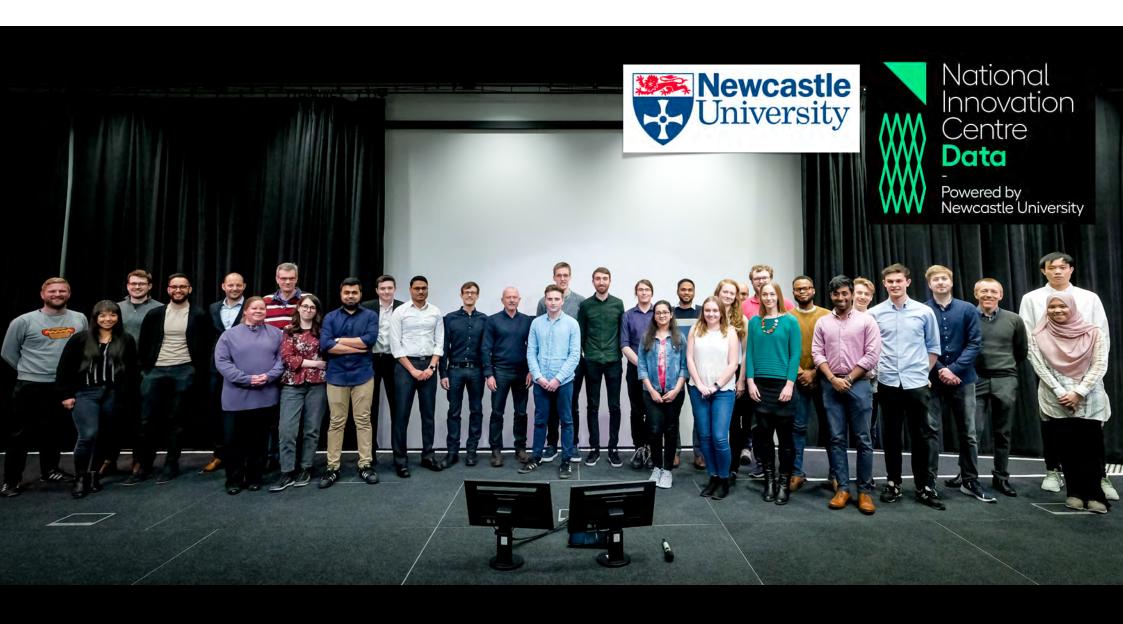
Matthew Forshaw

Enter a subject, topic or keyword Q



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

Gartner













#### **NEWS**

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Technology

#### UK passport photo checker shows bias against dark-skinned women

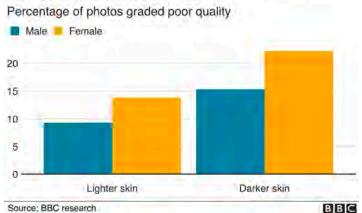
By Maryam Ahmed BBC News

O 12 hours ago

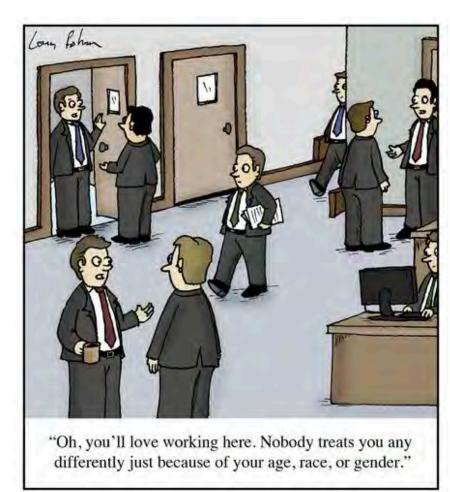




#### Automated checks give low scores to women and darker-skinned people



## The White Gaze The Coded Gaze The Male Gaze





Freethinkers wanted

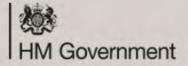
Your future in Al and data science starts here











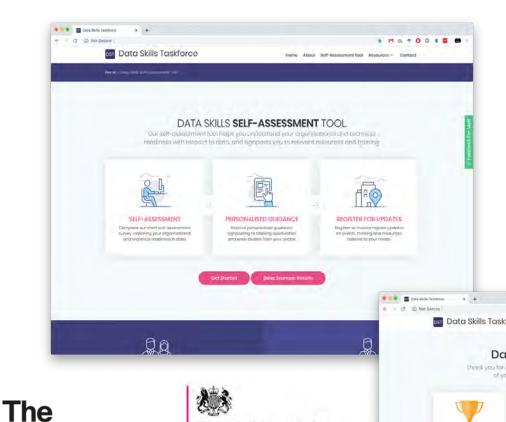


"We're delighted to be partnering with the University of Newcastle on this project. Data science and Artificial Intelligence (AI) skills are crucial to the future success of our business and many others, so we're excited to see a diverse range of new talent in our industry. To support the students, we'll be working with the university on developing the skills they need for their future careers and offering mentoring from some of our data science and AI experts."

Carol Fletcher
Head of Academic and Research Partnerships at BT







Department for

Digital, Culture

Media & Sport

Data Skills Taskforce

accenture

**Alan Turing** 

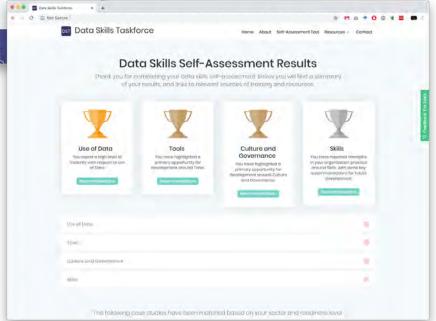
Nationwide

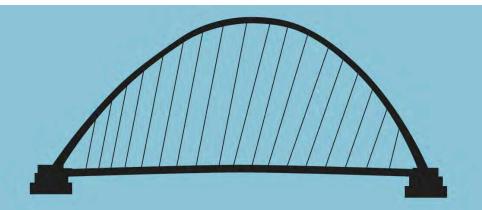
**Building Society** 

Institute

"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** 





## Analyst Network North East

Our network is for anyone with an interest in analysis happening in the academic, public or private sectors in North East England.



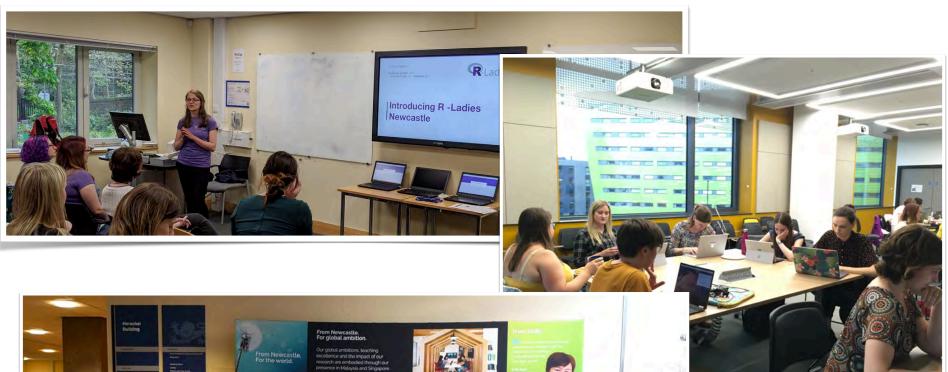


AnalystNetNE@gmail.com

A regional branch of The OR Society.

Networking • Events • Mentoring • Education





From Newcostal, From Newcostal, For the world.

From Newcostal

**#RLadies** 

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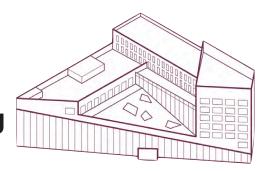
#### **Matt Forshaw**

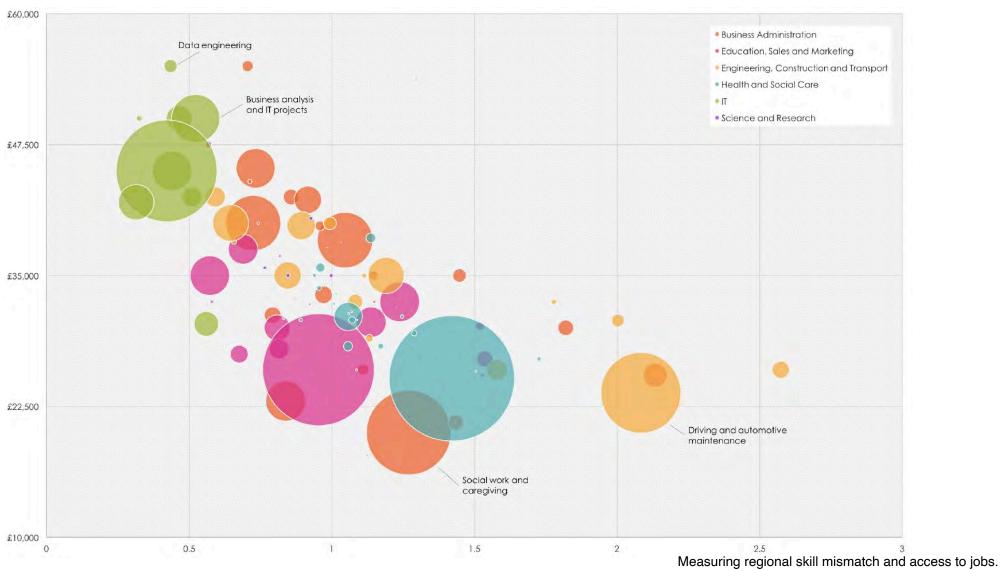
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Resources: <a href="https://github.com/MattForshaw/AIFestival-2021">https://github.com/MattForshaw/AIFestival-2021</a> The

The Alan Turing Institute





Measuring regional skill mismatch and access to jobs.

Dr. Stef Garasto and Jyldyz Djumalieva (NESTA and Productivity Insights Network). June 2019