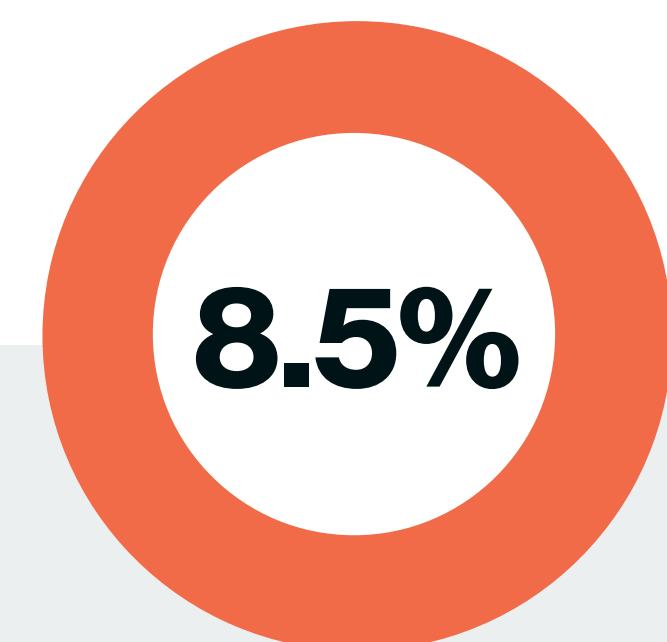
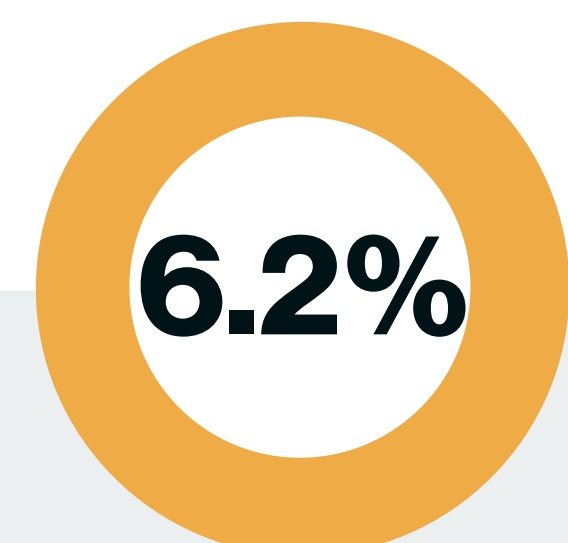


# LABOUR MARKET

There has been sustained growth in demand for maths-related jobs over the past five years



2019-23 CAGR for jobs requiring A-level maths skills



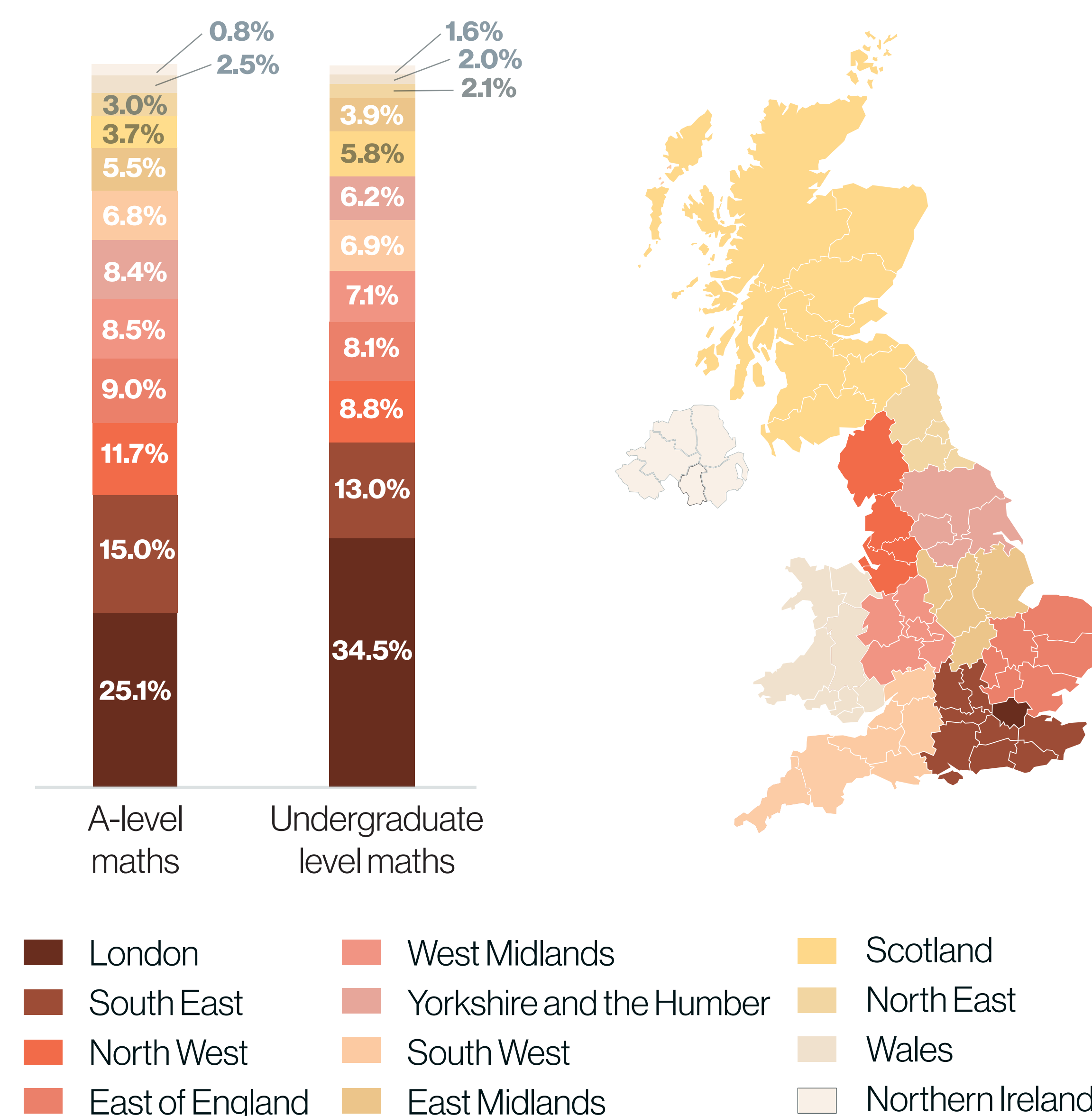
2019-23 CAGR for jobs requiring undergraduate level maths skills

Source: Lightcast<sup>1</sup>  
Note: CAGR refers to compound annual growth rate

## Demand for maths-related jobs varies by region

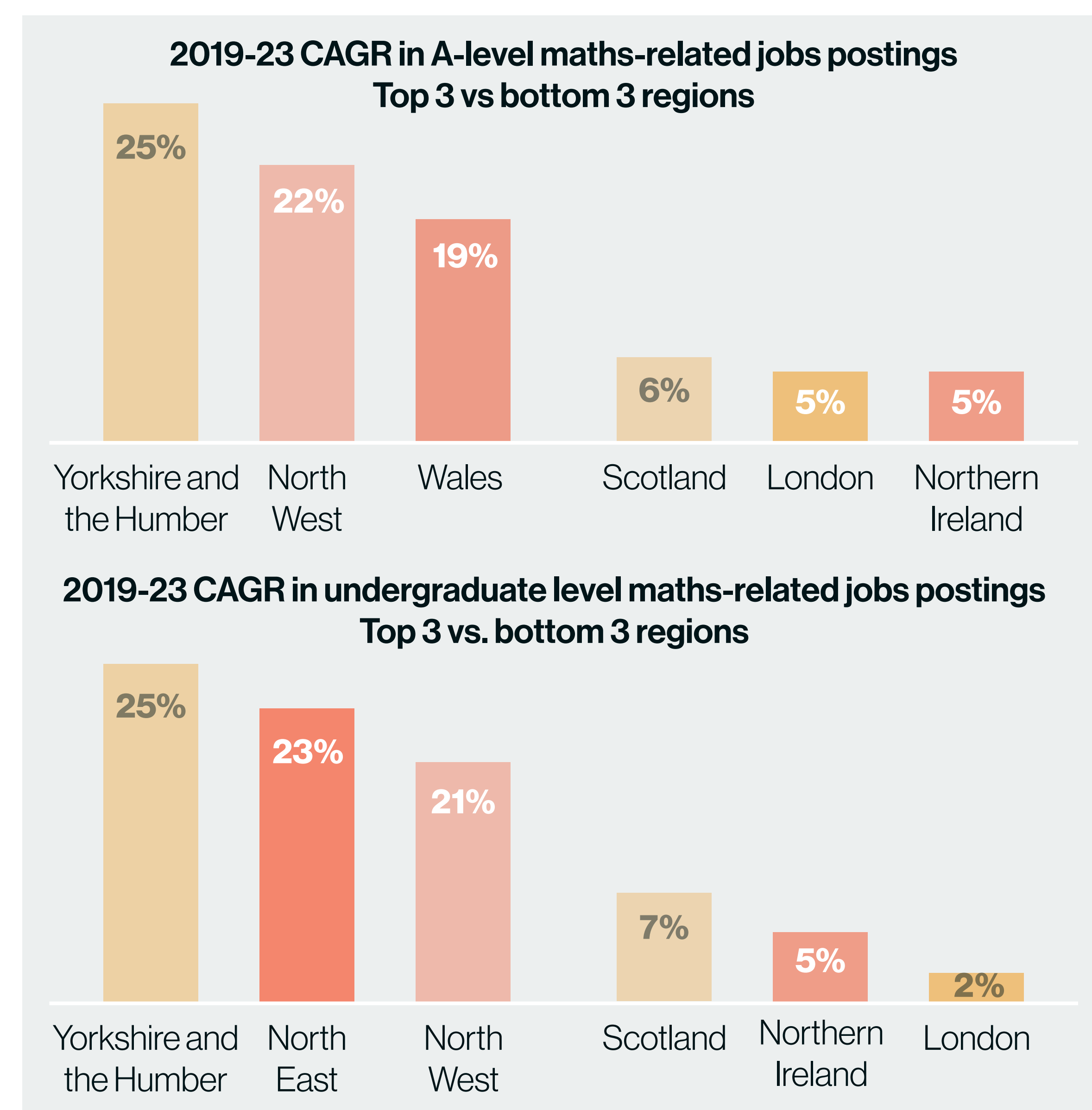
London and the South East have the largest share of demand for maths-related jobs.

Share of unique job postings by region (2023)



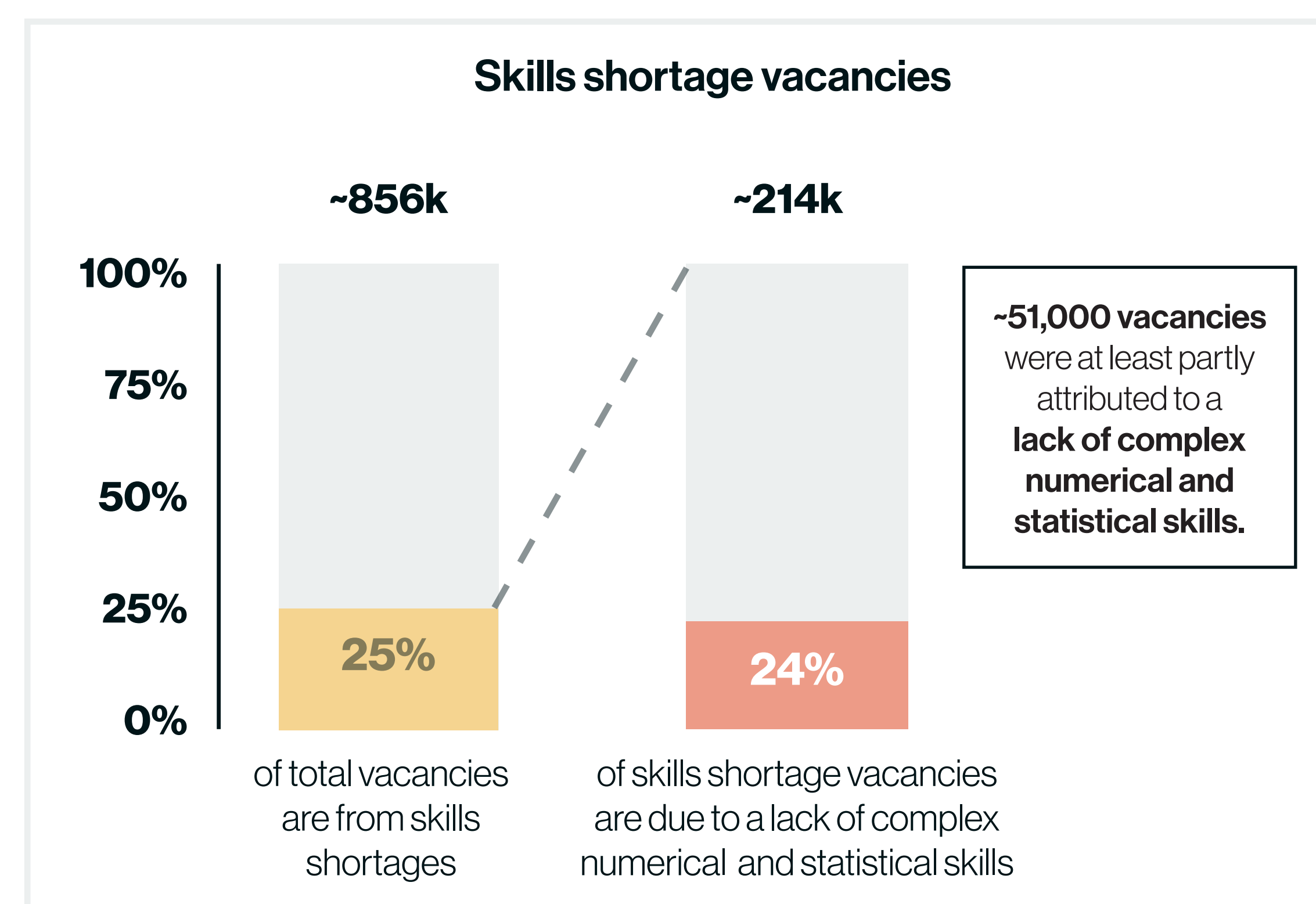
Source: Lightcast

## Yorkshire and the Humber has had the fastest growing demand for maths-related jobs



Source: Lightcast

## Skills shortages significantly limit the capacity of mathematical sciences to contribute to economic growth<sup>2</sup>



Source: Ortus

Scan the QR code for footnotes and references:



## Top employers: A-level maths

The NHS was a top employer, with employers from technology, health and academia all recruiting for A-level maths skills.

Top 5 employers by year (UK wide)  
Ranked by number of unique job postings

| 2019                    | 2021                      | 2023                  |
|-------------------------|---------------------------|-----------------------|
| Orridge & Company Ltd   | NHS                       | NHS                   |
| University of Cambridge | Amazon                    | Jaguar Land Rover     |
| Imperial College London | NOV                       | Outcomes First Group  |
| HCA Healthcare          | Goldman Sachs             | University of Oxford  |
| Amazon                  | University College London | King's College London |

## Top employers: Undergraduate level maths

The NHS was the top employer, with employers from technology, finance and consulting all recruiting for undergraduate level maths skills.

Top 5 employers by year (UK wide)  
Ranked by number of unique job postings

| 2019     | 2021            | 2023                 |
|----------|-----------------|----------------------|
| NHS      | NHS             | NHS                  |
| KPMG     | Amazon          | ARM                  |
| PwC      | Deloitte        | Jaguar Land Rover    |
| Deloitte | Goldman Sachs   | Lloyds Banking Group |
| Amazon   | JP Morgan Chase | PwC                  |

|    | Top 10 A-level maths skills jobs | Number of job postings | Top 10 undergraduate level maths skills jobs | Number of job postings |
|----|----------------------------------|------------------------|--|------------------------|
| 1  | Maths Teachers                   | 17,453                 | Data Scientists                              | 4,416                  |
| 2  | Data Scientists                  | 811                    | Data Engineers                               | 2,815                  |
| 3  | Secondary Teachers               | 430                    | Finance Business Partners                    | 1,915                  |
| 4  | Data Analysts                    | 398                    | Software Engineers                           | 1,425                  |
| 5  | Tutors                           | 344                    | Data Analysts                                | 1,250                  |
| 6  | Research Fellows                 | 275                    | Machine Learning Engineers                   | 1,158                  |
| 7  | Teaching Assistants              | 262                    | Management Accountants                       | 1,039                  |
| 8  | Secondary Maths Teachers         | 238                    | Finance Analysts                             | 846                    |
| 9  | Science Teachers                 | 234                    | Finance Managers                             | 846                    |
| 10 | MET Technicians                  | 228                    | Research Fellows                             | 721                    |

Source: Lightcast