



# Corndel.

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DATA to  
INSIGHT

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## Children's Services Data Analyst Level 4 Apprenticeship

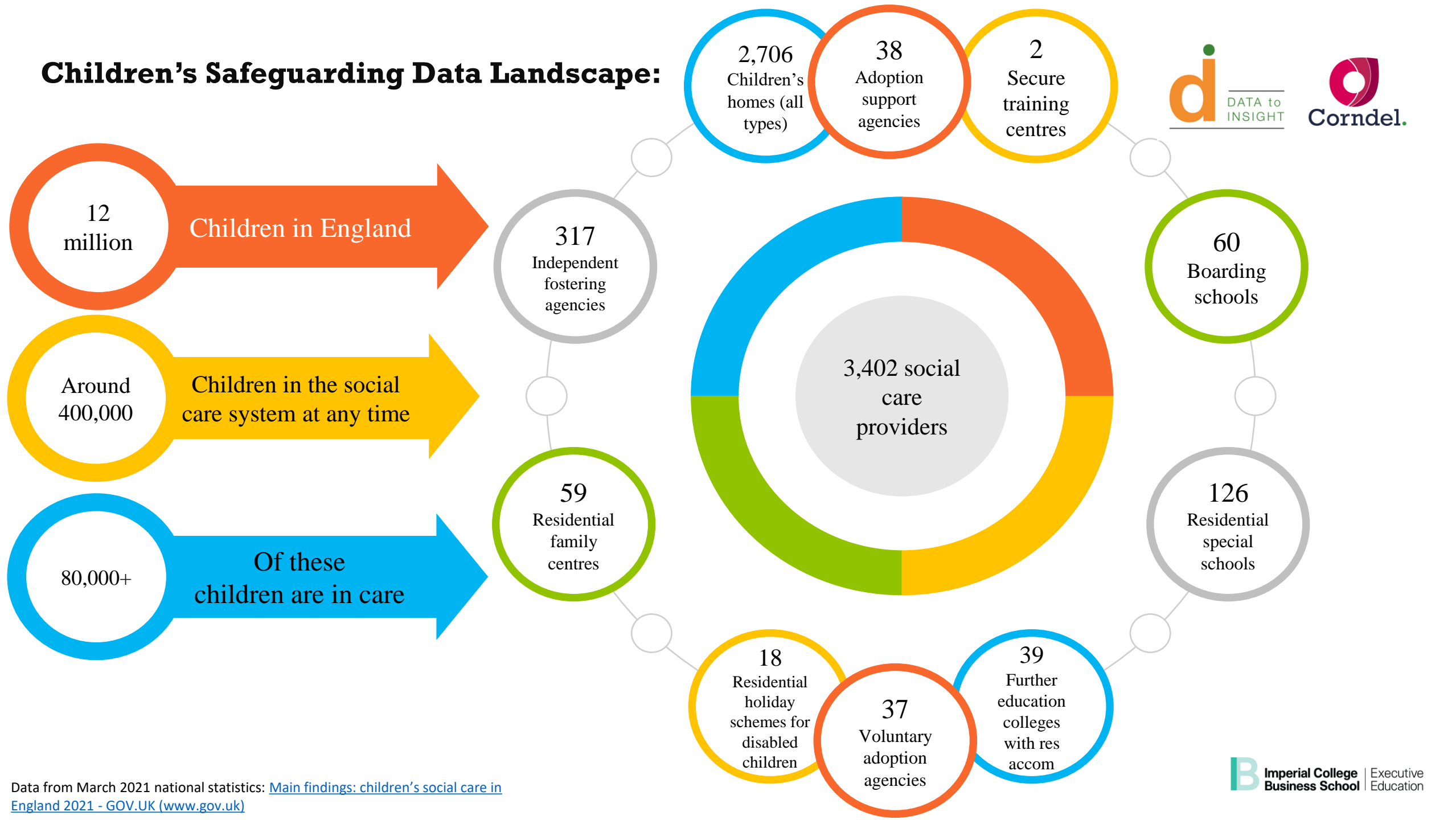
*In partnership with*



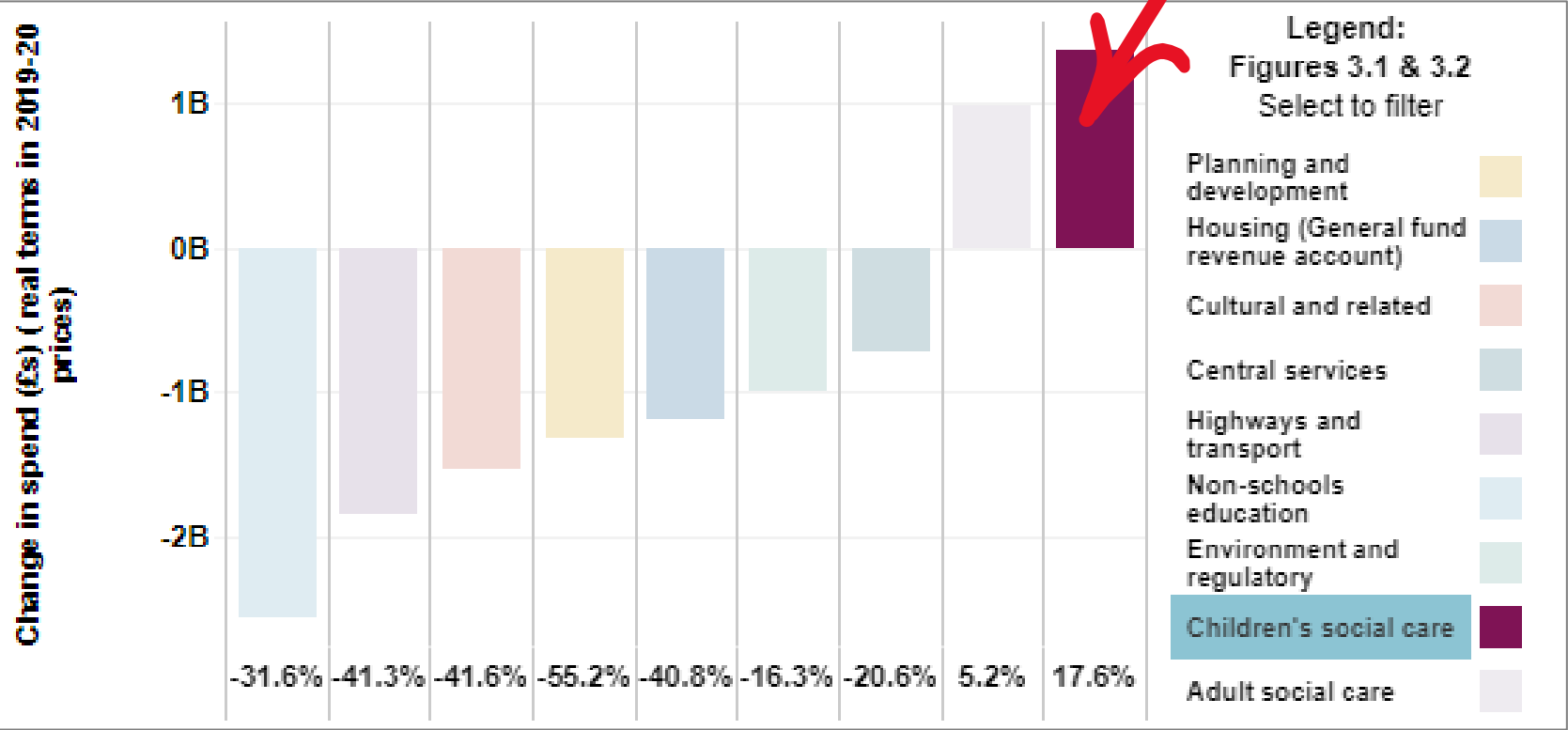
# Data to Insight



# Children's Safeguarding Data Landscape:



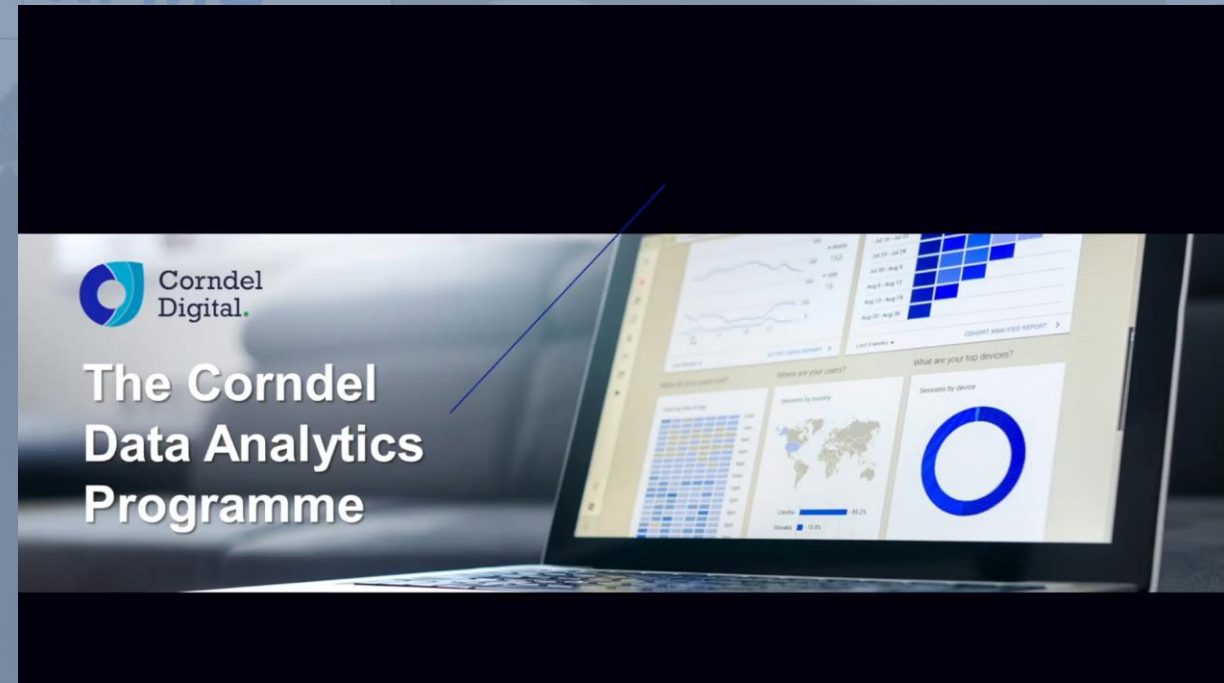
# Children's Safeguarding Cost:



Fastest growth of any major local gov area of spend

# Tailoring to Children's services

- ✓ Practical, deep-dive workshops using tailored data sets relevant to specific roles within the Children's Services
- ✓ Guest speakers from the Data to Insight network who attend workshops to contextualise key concepts and datasets to the Children's Services environment
- ✓ Individual portfolio of work-based data analytics projects specifically aligned to Children's Services
- ✓ Networking opportunities across Local Authorities. Access to Data to Insight Slack community and a dedicated apprentices channel



# Agenda...



1

Who are Corndel

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2

Programme **overview**

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3

Is this programme **for you?**

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4

What's in it **for you?**

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5

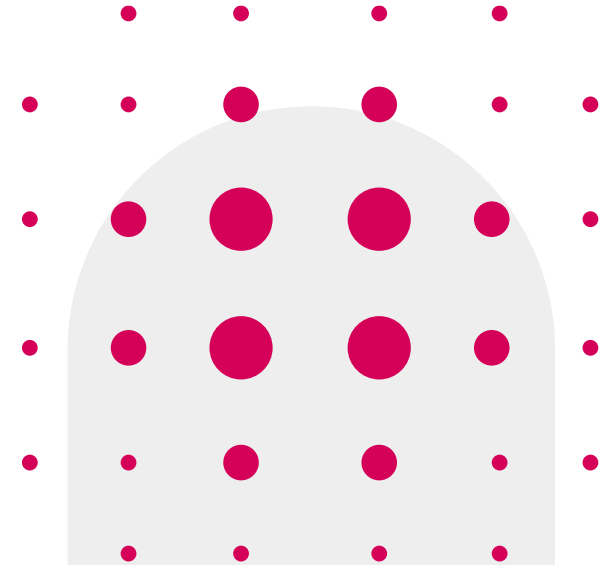
Eligibility

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6

Next **steps**

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# Introducing Corndel

Transformational skills provider working in partnership with Imperial College Business School and Chartered Management Institute (CMI)



UK leader in management, data & tech apprenticeships – delivered by industry experts



One of only a handful of apprenticeship providers to be rated as “Excellent” by both Learner and Employer on Gov.uk website



One-to-one bespoke coaching throughout the entire programme, with learning delivered throughout entire calendar year



68.6% Qualification Achievement Rate (QAR), 17.5% higher than the industry average



# 24,000+

Learners **successfully** coached

# 93%

Learner **satisfaction** rating



Apprenticeship Provider  
of the Year  
**Winner 2023**

# Introducing Imperial



Driving **global business** and social transformation through the fusion of business, technology and an entrepreneurial mindset.



A global leader in science and technology



World-leading researchers pioneering practical solutions



Global thought leadership



Consistently ranked among the top business schools in Europe and worldwide



Apprenticeship Provider  
of the Year  
**Winner 2023**



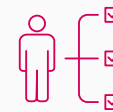
An **award-winning** skills partner offering transformational apprenticeships and training programmes.



UK leader in management, data & tech apprenticeships – delivered by experts



Delivering lasting impact to your career



Learning bespoke to your role



On completion of the programme:  
39% of our learners received a pay rise  
94% of our learners were more confident in their ability to perform in their role.



# Imperial College Associate Alumni



Access to the Imperial College Business School Alumni **LinkedIn group**



Invites to relevant Executive Education and Business School **events and webinars**



Receive the bi-monthly **Knowledge newsletter**



Discount on **future Executive Education** learning for yourself and your colleagues



# Is this programme **for you?**

This programme is for data-focused roles and develops the practical skills and knowledge needed to draw meaningful, actionable insights from your data by being able to effectively manipulate and analyse in large volumes.

- ☑ Do you work with Data **frequently**?
- ☑ **Are you responsible** for setting up reports
- ☑ Would you like **to learn** elements of coding?
- ☑ Do you **analyse** large volumes of data from different sources?
- ☑ Do you want to take the **next step** in your data career?
- ☑ Do you want to **reduce your reliance** on other teams to help with reports and data analysis?



# The Imperial College & Corndel Data Analyst Programme

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## Qualification:

The Corndel & Imperial level 4 Data Analyst Diploma

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## Programme length:

18 month

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## Investment in you:

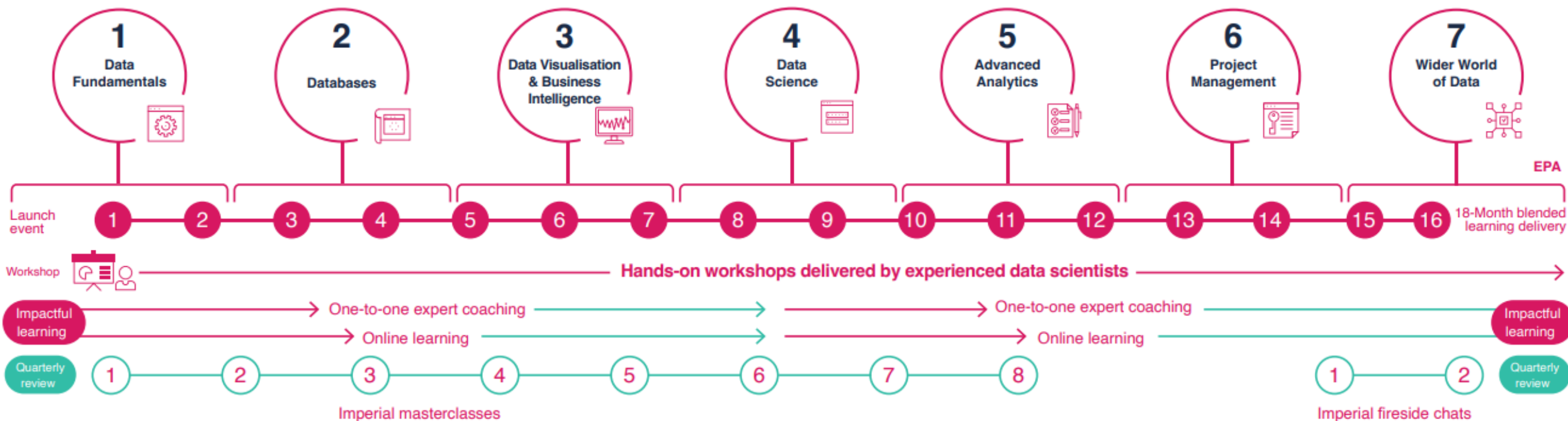
£15,000

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## You'll benefit from:

- Expert-led one-to-one coaching
- Dedicated point of contact from start to finish
- Exclusive access to Imperial Masterclasses
- Exclusive access to Imperial Fireside chats
- Practical, flexible and accessible resources

# Children's Services Level 4 Data Apprenticeship





# Children's Services Level 4 Data Apprenticeship Content



1.Data Fundamentals	2.Databases	3.Data Visualisation & Business Intelligence	4.Data Science	5.Advanced Analytics	6.Project Management	7.Wider World of Data
<ul style="list-style-type: none"><li>• Wonderful world of data</li><li>• Powerful projects</li><li>• Types of data</li><li>• Data quality</li><li>• Structure of data</li><li>• Analytics roadmap</li></ul>	<ul style="list-style-type: none"><li>• Data governance &amp; data management</li><li>• How data is stored</li><li>• Working with databases</li><li>• Aggregating with SQL</li><li>• Database design</li><li>• Combining data</li></ul>	<ul style="list-style-type: none"><li>• Data visualisation</li><li>• Dashboards</li><li>• User experience</li><li>• Descriptive stats &amp; Data mining</li><li>• Samples vs populations</li><li>• Statistical analysis</li><li>• BI project</li><li>• Data Ethics</li></ul>	<ul style="list-style-type: none"><li>• Introduction to machine learning, data science and decision trees</li><li>• Coding in Python - getting started</li><li>• Decision trees in Python</li><li>• Decision trees in industry</li><li>• Adapting Python code</li><li>• Low code alternatives</li></ul>	<ul style="list-style-type: none"><li>• Linear regression</li><li>• Building a linear regression model in Python</li><li>• Implementing a linear regression model</li><li>• Linear regression in industry</li><li>• Logistic regression</li><li>• Building a logistic regression model in Python</li><li>• Implementing a logistic regression model</li><li>• Logistic regression in industry</li><li>• Clustering</li><li>• Building a clustering model in Python</li><li>• Implementing a clustering model</li><li>• Clustering in industry</li><li>• Time series forecasting</li><li>• Building a time series forecasting model in Python</li><li>• Implementing a time series forecasting model</li><li>• Time series forecasting in industry</li></ul>	<ul style="list-style-type: none"><li>• Building a business case</li><li>• Stakeholder Requirements</li><li>• Planning a project</li><li>• Data Architecture, Legislation and Policies</li><li>• Combining and profiling data</li><li>• Analysing data</li><li>• Communicating and reporting results</li><li>• Presentation skills I</li><li>• Presentation skills II</li><li>• Professional discussions I</li><li>• Professional discussions II</li></ul>	<ul style="list-style-type: none"><li>• Data security, protection and privacy</li><li>• Open source</li><li>• Machine learning</li><li>• Cloud infrastructure</li><li>• Data pipelines</li><li>• Data architecture</li><li>• Data engineering</li><li>• Linux</li><li>• Data lakes</li><li>• APIs</li><li>• Big data, hadoop and spark</li><li>• Staying at the Cutting-Edge</li></ul>



# Masterclasses

Imperial College & Corndel Data Analyst Programme



1

Why you should never join an unsecured wireless hotspot and other ways to lose your data shirt

Speaker: **Prof. Yves-Alexandro de Montjoye**

2

Game-changing technologies: What's hot and what's not?

Speaker: **Prof. Chris Tucci**

3

Hacking on the world stage

Speaker: **Prof. Deep Chana**

4

Why my Hoover finds crumbs: The fundamental things to know about Artificial Intelligence and Machine Learning

Speaker: **Prof. Chris Tucci**

5

Sport, Politics and risky business

Speaker: **Pierre Dangauthier**

6

Humans & Machines – better together? The future of AI enhancing human abilities, ethics and the art of the possible

Speaker: **Aldo Fasial**

7

Artificial Intelligence on the frontline of the pandemic

Speaker: **Sarah Filippi**

8

Data in the fight against climate change

Speaker: **Sonali Parbhoo**

## Firesides

**Professional discussion with Gord Graylish, General Manager EMEA at Intel and Programme Director, AI & ML in Financial Services at Imperial**

Speaker: **Gord Graylish**

Journey to General manager; the power of AI & ML in industry; future of tech industry

**Professional discussion with Mike Seville, CDO of Dojo**

Speaker: **Mike Seville**

Day in the life of a CDO; important aspects of data and data governance

# Bite-sized flexible learning

A range of delivery platforms including;



Interactive cloud-based learning platform



E-books, video and audio content



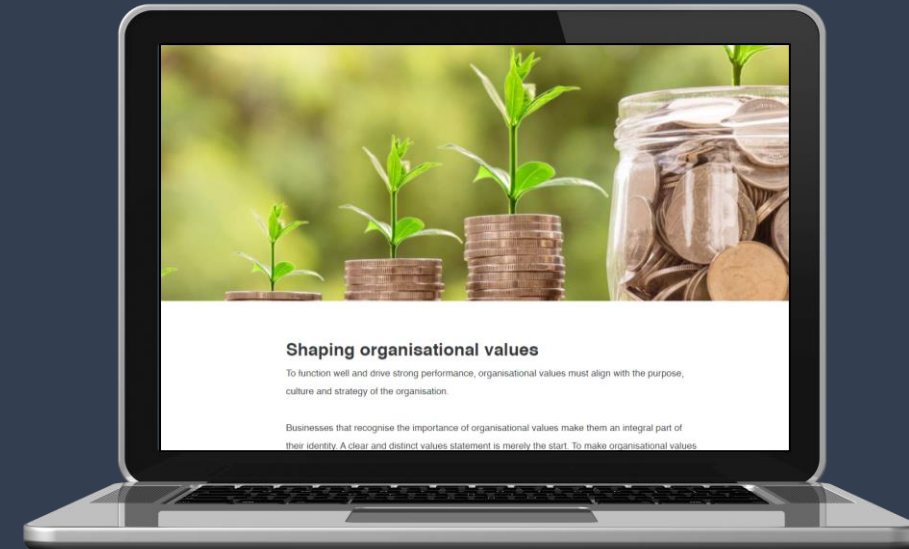
1-2-1 Coaching and Progress Review




Workshops, group learning and Masterclasses



Bespoke coaching designed around Skills Radar / Lumus360 feedback





Corndel.

**Course Player**

LM5.5: 4.3 Managing Data and E-Safety (V1)    LM5.5: 4.3 CPD: Managing Data and E-Safety

**Unit 4 Module 3:  
Managing data  
and e-safety**

20% COMPLETE

- Introduction ☒
- TOPIC
  - Handling data and information - GDPR ☒
  - E-Safety ☐
  - How to deal with a security Incident ☐
- SUMMARY
  - Let's summarise and reflect ☐
  - Knowledge check ☐
  - Explore further ☐

**“ Treat your password like your toothbrush. Don't let anybody it and get a new one every six**

**Clifford Stoll - astronomer and engineer**

How do you keep your home safe? At the Others install motion-sensitive lights or se against threats.














But safeguards aren't just for physical spa data has a far-reaching impact, with conse



**Cybersecurity**

3. Share the purpose of the dashboard you uploaded and identify the target audience (i.e., stakeholders, their role and influence, etc.).

Remember to anonymise name(s) and please use the word “stakeholder” in your answer.

(50 words) (S14, Section 3)

**B I U** abc           Format   














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Word count: 0

4. How did you collate and prepare the data for this dashboard? What qualitative and quantitative data did you use?

You must include the word “qualitative”, “quantitative” and “collate” in your answer.

(70 words) (S14, Section 3)

**B I U** abc           Format   

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# One-to-one Coaching



Ongoing **one-to-one** coaching support with your Professional development expert



**One point** of contact from start to finish



**Tailored** delivery schedule to work around you



**Practical** support dealing with data challenges



**Three-way** progress reviews with your line manager



**Nicki Tinson**

**PDE**

15 Years experience in business analytics from Deutsche Bank, Vauxhall and Greenhous Group



**Edmund Ryan**

**PDE**

15 Years experience in business analytics from Deutsche Bank, Vauxhall and Greenhous Group



**Minesh Patel**

**PDE**

15 Years working for global banks in a variety of senior roles, including risk, technology, strategy and security lending

# Engaging Workshops



**Introducing key topics**



**Scheduled through the year**



**Deep Dive exercises & Interactive Activities**



**Networking Opportunities**



# Assessment & Achievements



Project Portfolio Submission



The Corndel & Imperial Data Analyst Diploma (Level 4)



Synoptic Project & Presentation



Data Analyst Level 4 Apprenticeship



Professional Discussion & Interview



Imperial College Business School Executive Education Alumni Status

# Time Commitment



Per week completing your online learning and associated tasks



A week putting new learning from the course into practice in your role – using new skills on the job



A month of 1-2-1 coaching with your Professional Development Expert & Skills Coach




In Workshops on key topics spaced throughout the programme



Quarterly three-way Line Manager / Participant / Professional Development Expert review meetings



 Business as usual

 Putting learning into practice

 Online learning & associated tasks

 One-to-one coaching

 Workshops

# Eligibility

## To be funded on the programme, you must:

- Have lived in the UK for past 3 years and work for more than 50% of the time in England (Able to provide English work address).
- Have a contract of employment covering the full duration of the apprenticeship and be on the PAYE of the contributing employer.
- If on an applicable Visa, learners must have enough time left to cover the full duration of the apprenticeship.
- Have a substantial skills gap between current capability and where you would be on completion of the apprenticeship.
- Have full support of their line manager to start and complete the apprenticeship.

## To apply for the programme, you cannot:

- Currently be studying on a Government funded programme (Paid for via Student Loan, Apprenticeship, College course).
- Be on an Entrepreneur (Tier 1), Student (Tier 4) and Government Authorised Exchange (Tier 5) Visa. Skilled Worker Visas will be reviewed on individual basis.
- Have a qualification in the similar subject at the same level or higher.

## Eligibility criteria supported by Corndel:

- You will need to provide evidence of level 2 qualifications in Maths & English at GCSE grade 4-9/C or equivalent (If you don't have these qualifications, Corndel has a renowned Skills for Business team who will help you achieve this within the length of the programme).





# Skills for Business Assessment & Journey



All participants need to provide evidence of Level 2 Maths and English Qualifications OR **join our Skills for Business programme.**



**!**

**IMPORTANT**  
All certificates must be grade C or higher to be accepted.

**Skills for Business Support**

- 1-4 hours of tuition and practice papers per month
- 3-12 months duration to complete

# Next Steps & Key Dates

1

## Today

Attend insight session

2

## Application Opens

3

### 13/09/2024

Deadline for applications, but recommended to complete applications asap.

4

### 16/09/2024

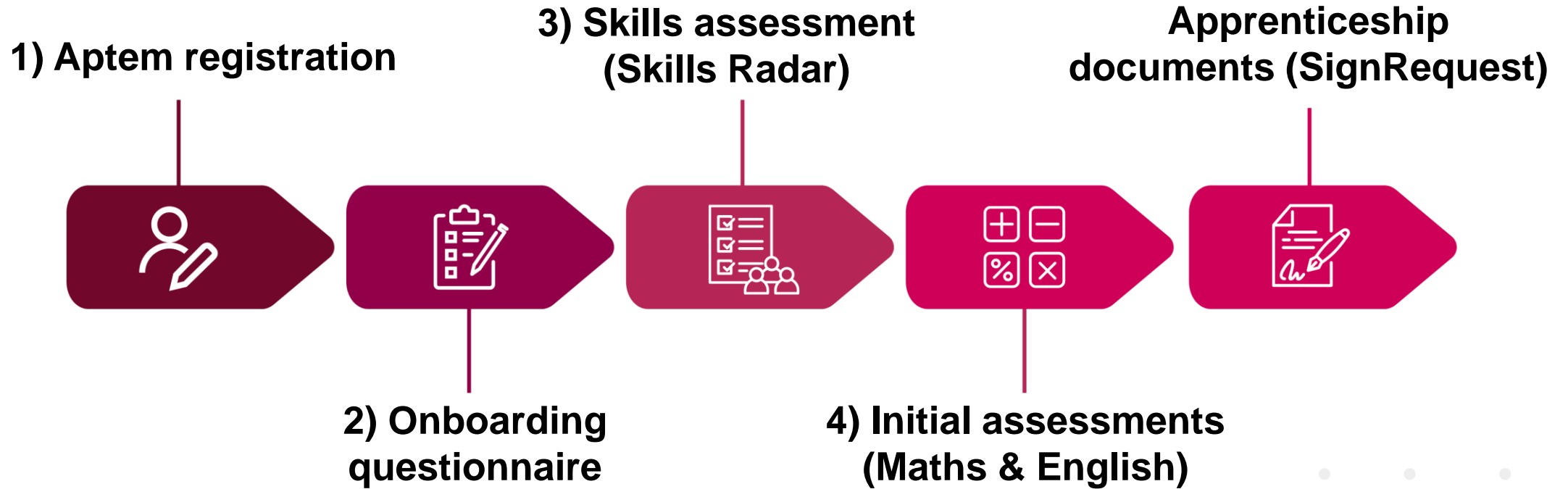
Enrolment and onboarding process begins, fully supported by Corndel.

5

### 31/10/2024

Programme launch

# Enrolment process





**Thanks for your time.**  
**Any Questions?**

## Insight Session Feedback: Data Analyst Level 4



How did you find this insight session? We'd love your feedback.