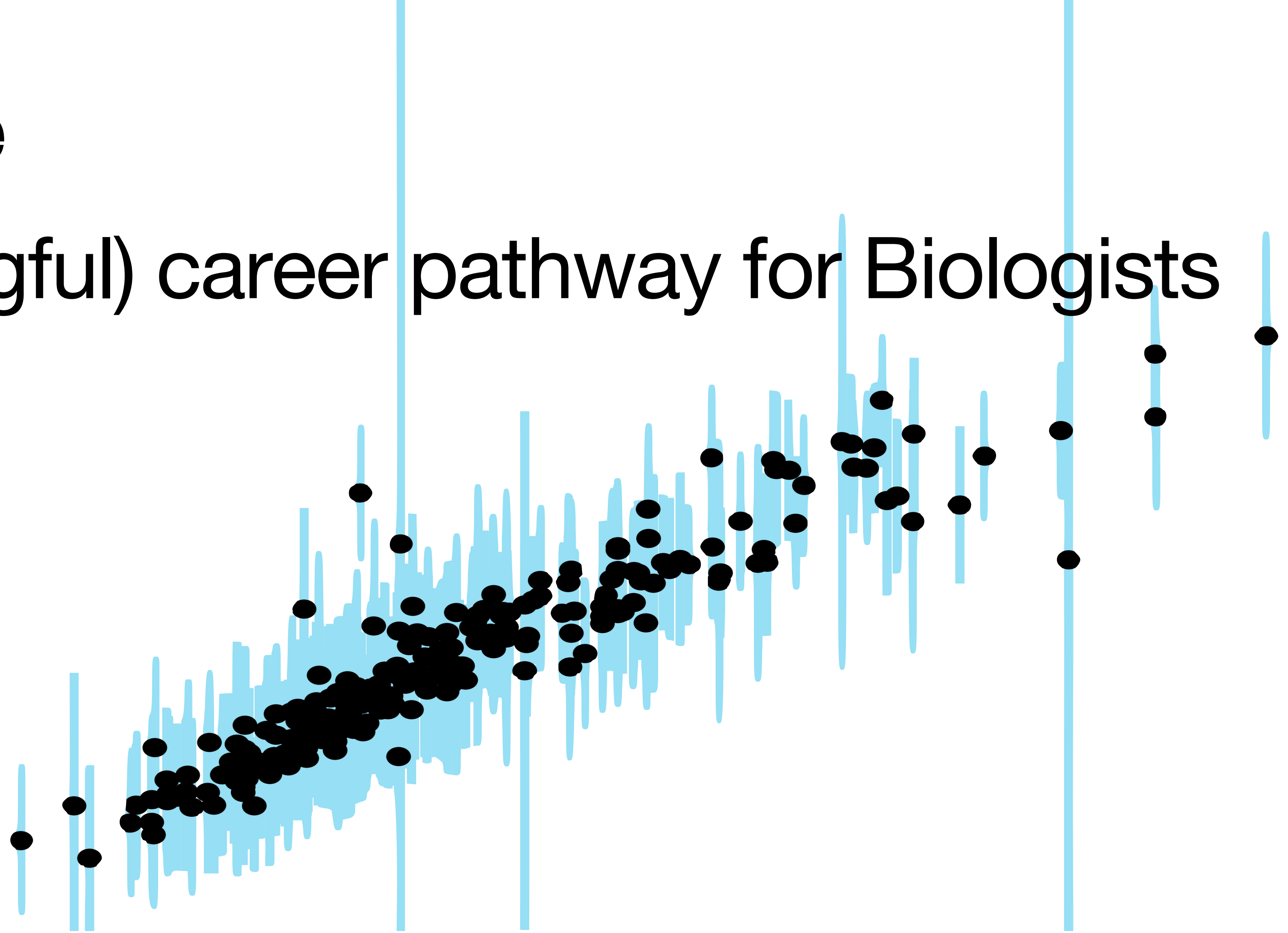# Data Science

as a (meaningful) career pathway for Biologists

Education

MSc Mechanistic Biology

MSc Mathematics

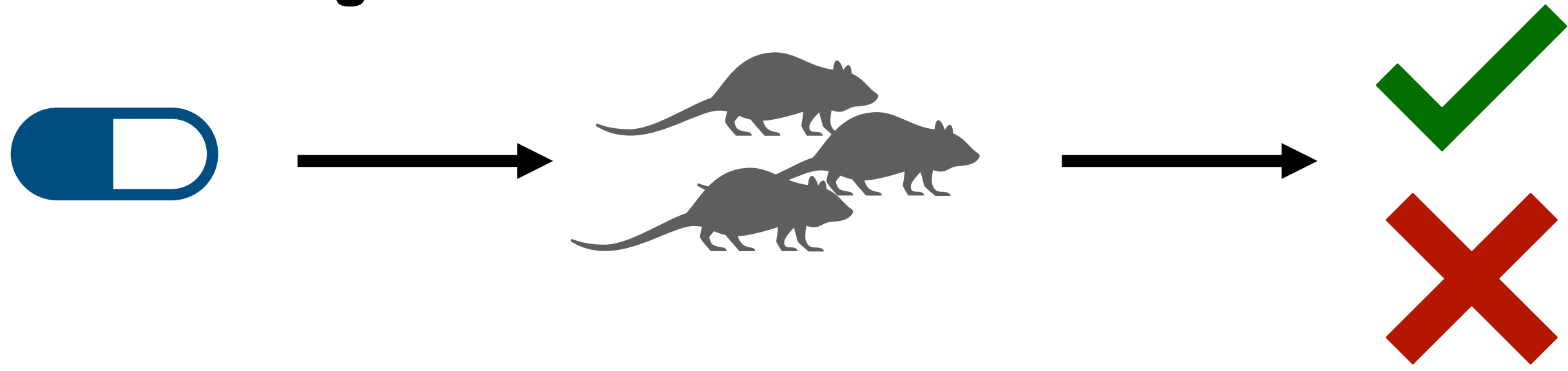2011   2013   2017

BSc Molecular and Cell Biology   **PhD Photosynthesis**
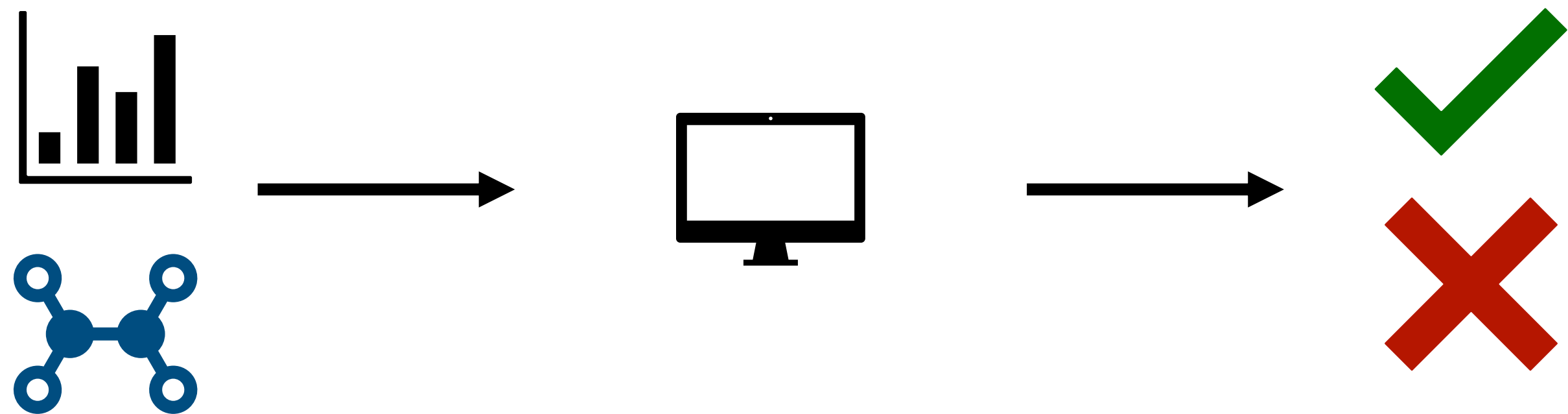
Lhasa Limited
shared **knowledge** shared **progress**

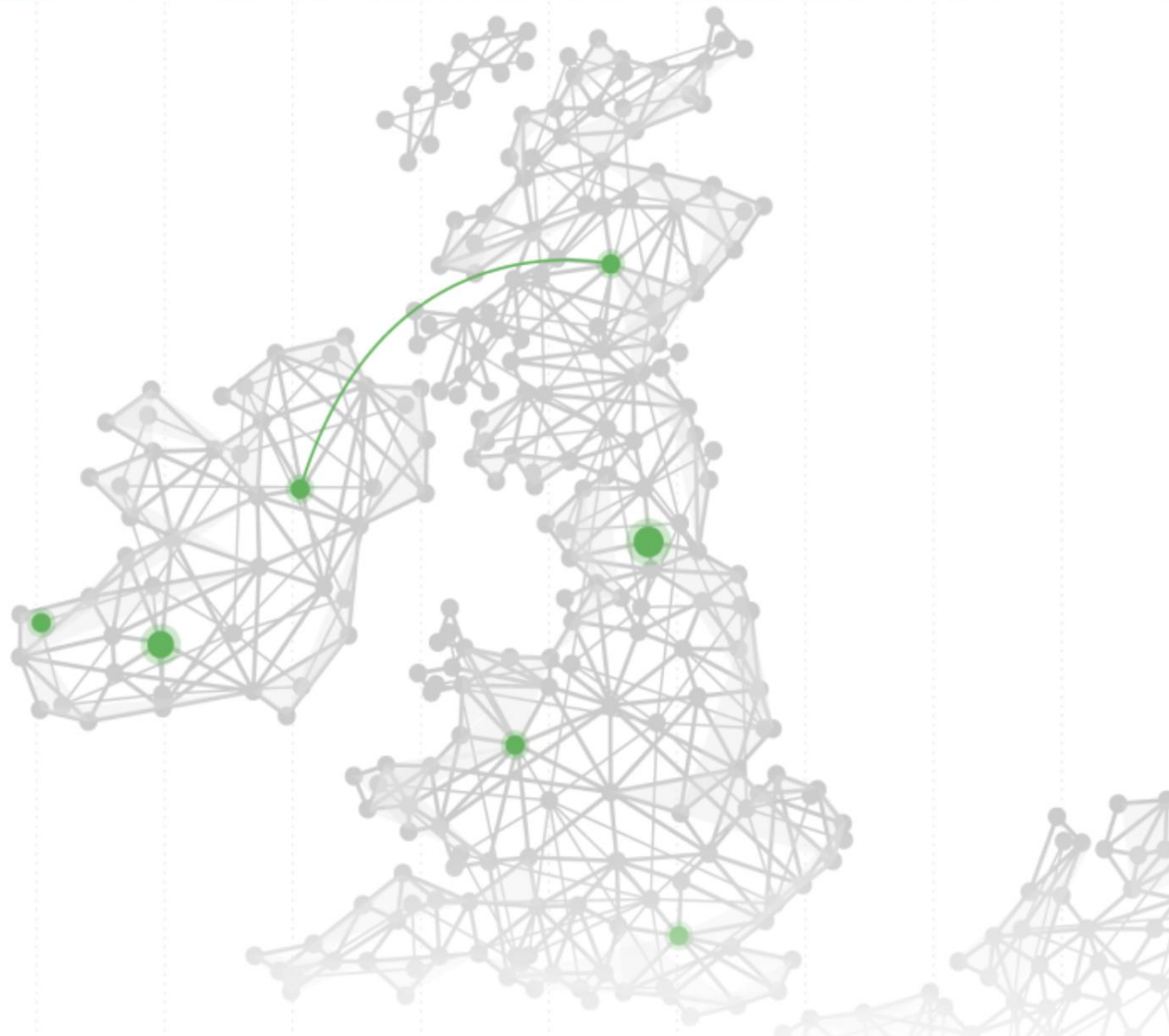**Animal Testing**

AI approach

Working to make the UK a safer and better place

We do this by bringing together talented specialists with expertise and a passion for technology to build data intelligence capabilities.

The power of what can be achieved with data, tech and talent continues to be realised...
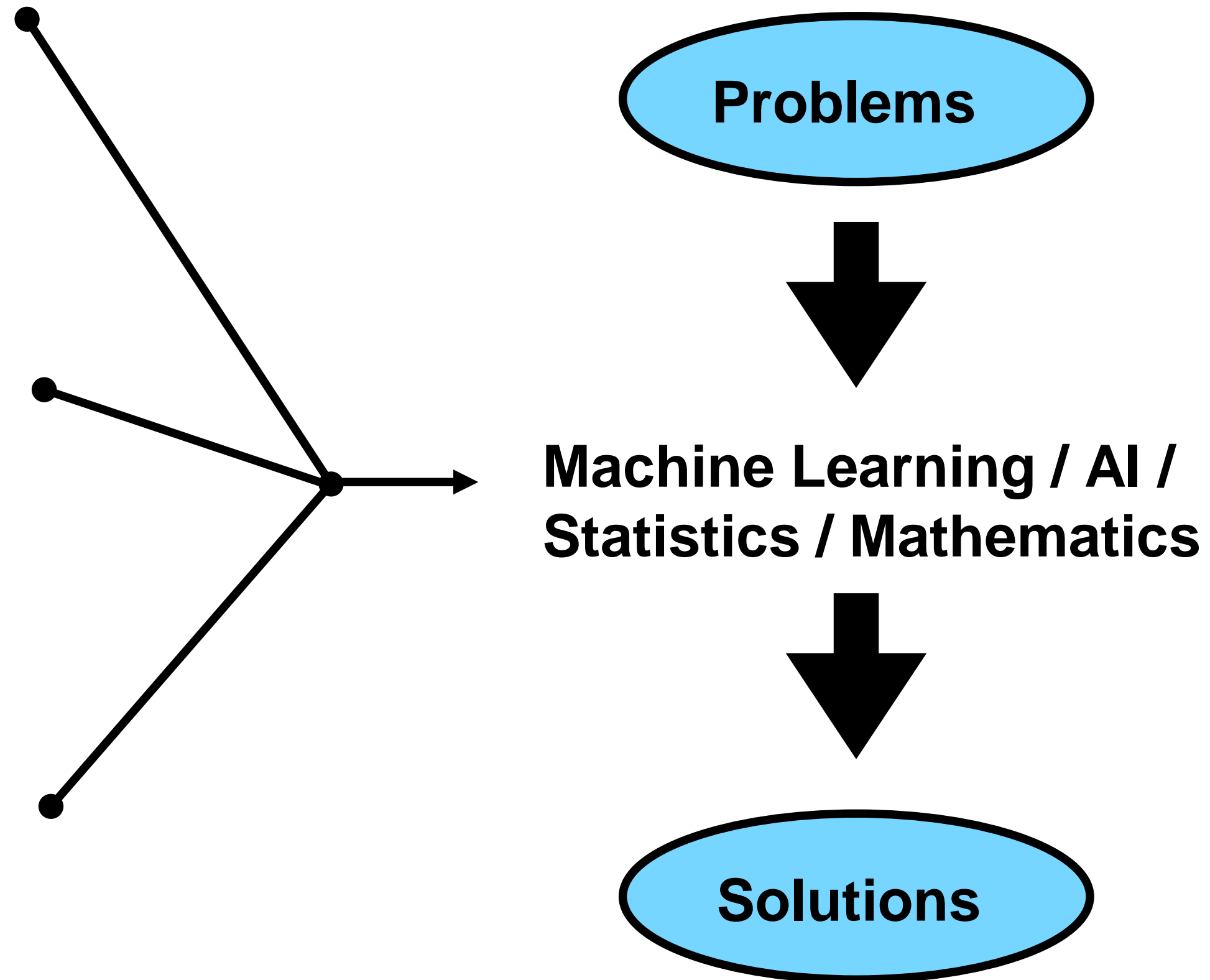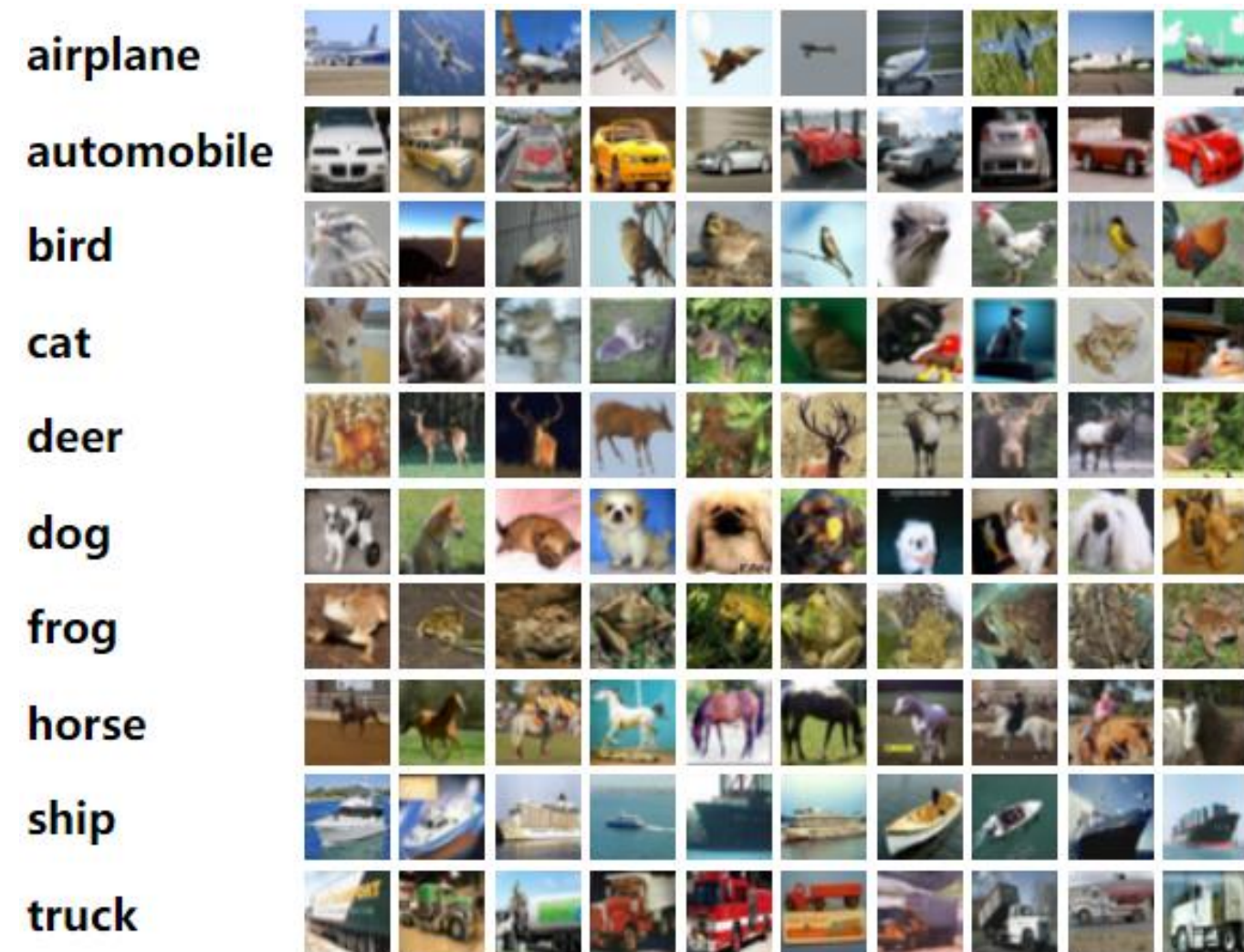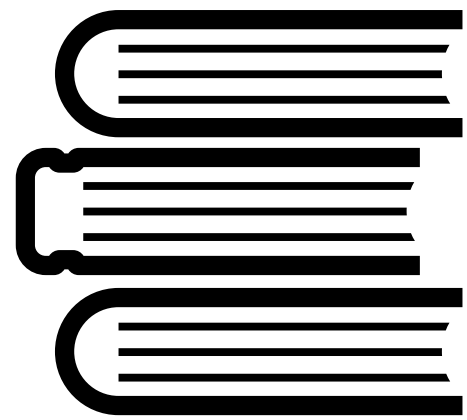
Our Company

QinetiQ is a company of scientists and engineers committed to listening, understanding and responding to our customers' needs. This enables us to use our depth of experience and our unique science and engineering expertise to equip them with powerful solutions to their most pressing challenges.

Data science is using data and algorithms to solve problems

Problems

→

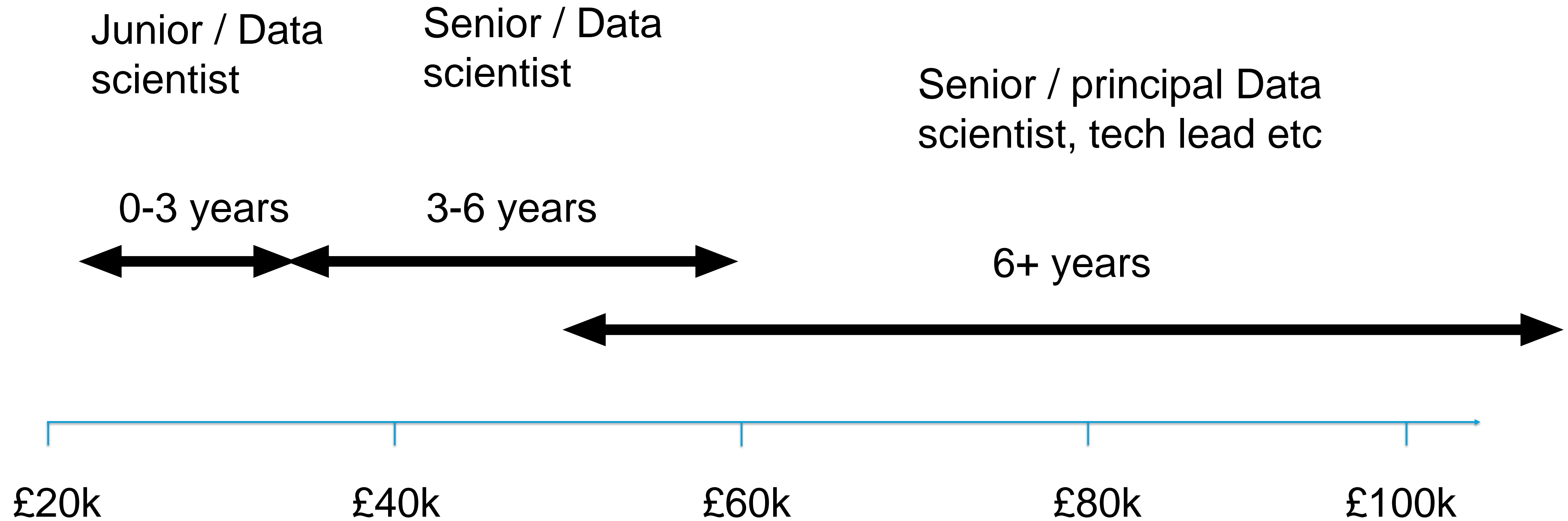**Machine Learning / AI / Statistics / Mathematics**

↓

Solutions

Example: A law firm wants an AI tool to automatically extract case law relevant to the case at hand.

A typical day

8:00	Catching up on emails/messages
9:00	Coding
10:00	Meeting
11:00	Coding
12:00	Lunch
13:00	Coding
14:00	Meeting
15:00	other (e.g. outreach)
16:00	FInish

Salary

Junior / Data scientist

Senior / Data scientist

Senior / principal Data scientist, tech lead etc

0-3 years

3-6 years

6+ years

£20k   £40k   £60k   £80k   £100k

Other job titles: Data Engineer, Machine Learning Engineer, data analyst…

Tips for becoming a data scientist

1. Choose your domain

2. Learn to code (especially python)

3. Record when you've done any data analysis and seek out data analysis type courses.

4. Learn effective communication

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