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CLARITY — DATA & ANALYTICS AT WORK FOR YOU

Take a look at the stages of implementation for data and analytics.

- What stage is your organization in?
- How would you get to an 'at-scale' implementation?

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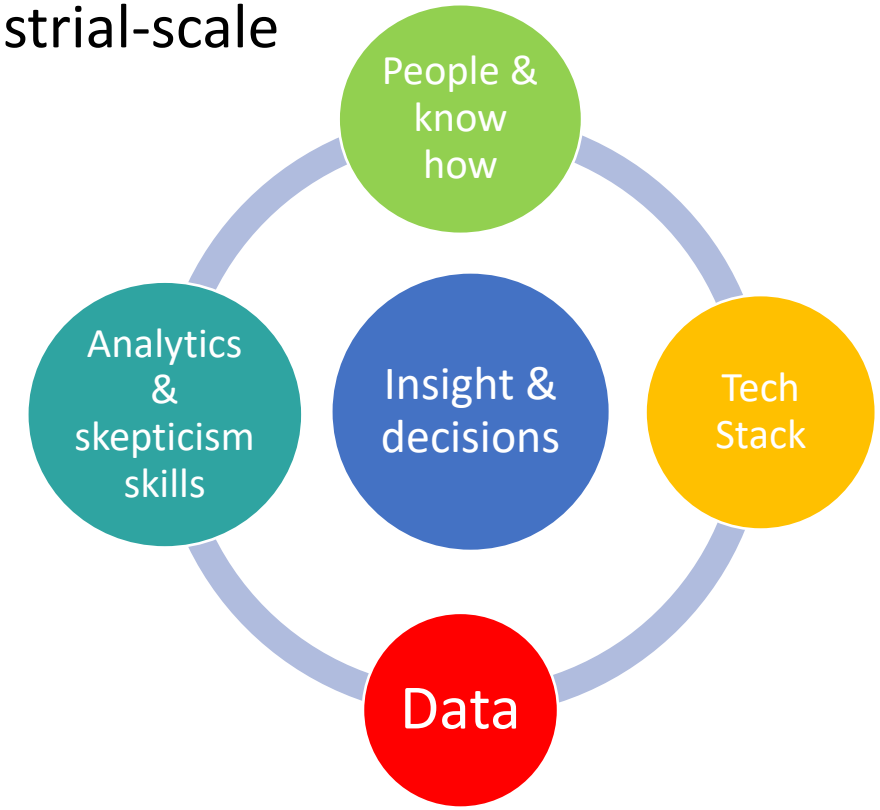
Outline

How do organisations implement data and analytics at various levels of ambition

1. Pilot
2. Mid-scale
3. Industrial-scale



Beyond the learnings we gain as we evolve from one stage to the next, use of data science in a policy setting requires

- Scale
- Trust
- Stakeholder diversity
- Reliability
- Built to evolve

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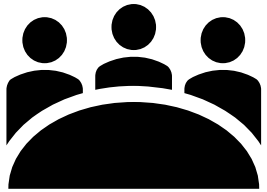
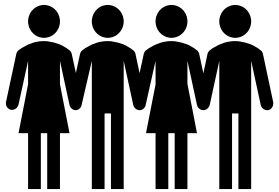
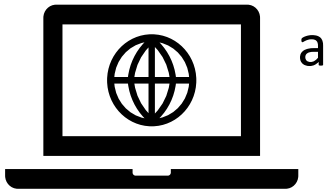
Pilots – a bit of luck

idea somewhere

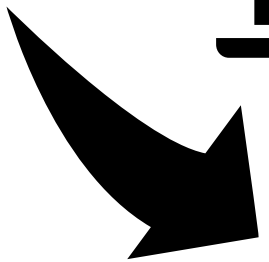




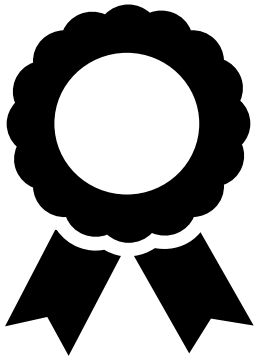
people with skills…



and with some tools



<u>Yields an outcome that impresses</u>



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Pilots – the 4 pillars are expressed, but not reproducible

People & know how	One Business leader One Data Scientist (Often some external spark is involved)
Tech Stack	Ranges from available in-house software to public sources
Data	Often a one-time, eye watering effort
Analytics & skepticism skills	Point solution Validation, reporting and archiving at the discretion of the data scientist

In other words, it's the outcome that counts

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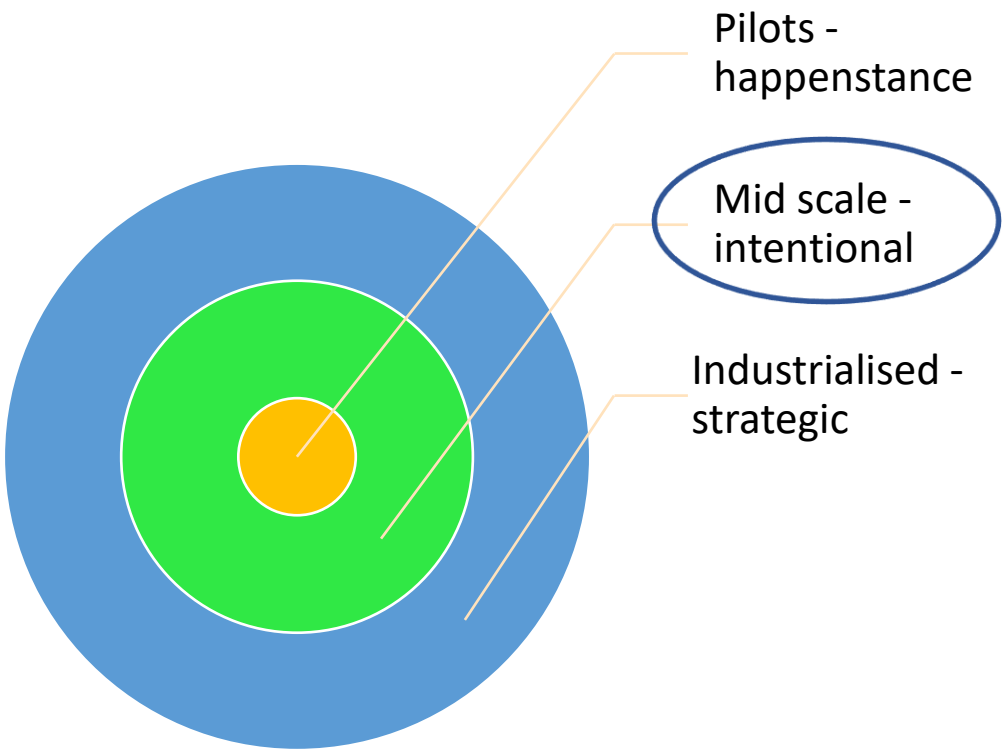
Mid scale – a commitment



Investment to secure some combination of:

- multiple diverse outcomes
- Speed
- Effective deployment of resources

→ *in some part of the business*

Mid-scale: the 4 pillars are expressed, and reproducible in some part of the business

People & know how	Group of Business leaders and IT Group of diverse Data Scientists Venues to manage the work
Tech Stack	IT develops elements of modernized architecture, tech and possibly digital Data scientists have nascent data science platform
Data	Data is on its way to FAIRification Reverse the 80-20 data effort allocation in some cases
Analytics & skepticism skills	Nascent formal process for analytical methodology: intake, prototype, validation, documentation, archiving and reuse

Modular investment proportional to the business needs and perceived value

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Mid-scale, learning is enhanced

We learn

- How to organize larger groups of data scientists
- How to educate & translate, across IT, data science and business

- Build-test cycle of tech stacks

- Beyond hype, into the hard work of managing data. Roles, governance, cleanup…

- Analytics are actively managed

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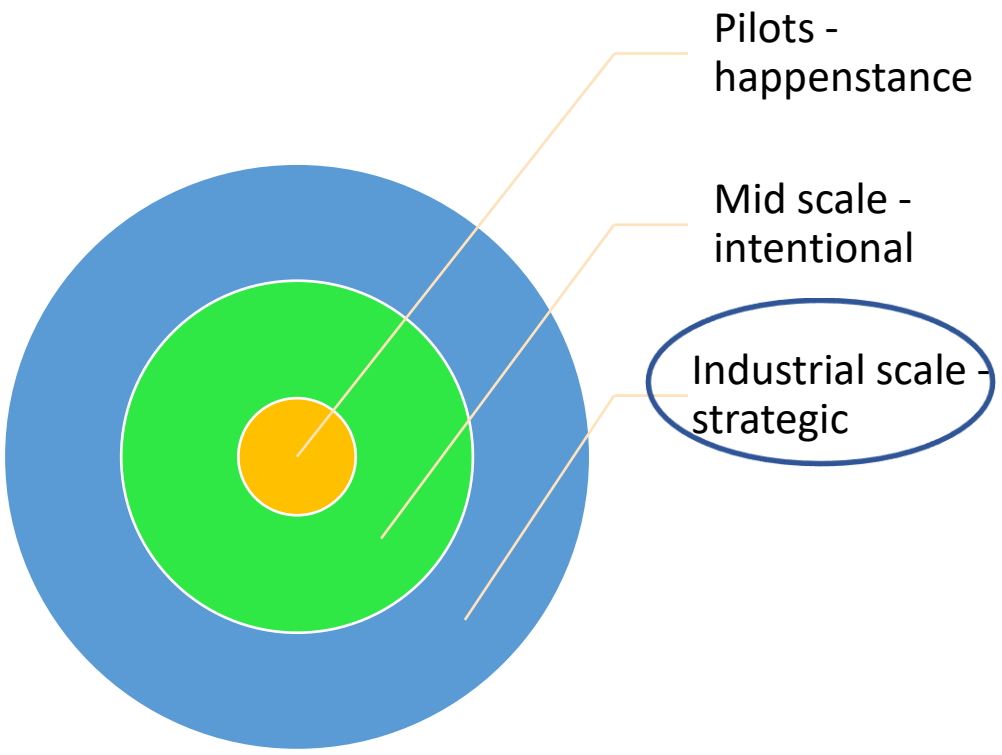
Industrial scale – It's a way of life



BIG Investment to secure

- multiple diverse outcomes across the business
- Speed
- Evolution and enhancement of resources
- Future proof
- Culture

Industrial-scale

People & know how	Business leaders, IT, Data Scientists are aligned Group of diverse Data Scientists – managed across the enterprise Venues to drive insights uptake and monitor value
Tech Stack	Modern and modular IT architecture, tech and digital Data scientists have data science platform to serve internal and external needs
Data	Data is managed as an asset, fully FAIR-ified. Can be prepared quickly and easily for multiple analytic approaches.
Analytics & skepticism skills	Established and monitored process for analytical work: apply analytics to analytics

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We are in the middle of a data (r)evolution

Many organisations are in the pilot or mid-scale stage

It takes A LOT to get to mid-scale, especially in older organisations

We have yet to see an industrial-scale implementation in healthcare