







Nesta is the UK's Innovation Foundation



IGL is a global collaboration of governments, foundations and researchers that aims to make innovation policy more experimental



€150 billion

spent every year on innovation, entrepreneurship and business growth support programmes in Europe alone

But little credible evidence on what works, and what doesn't

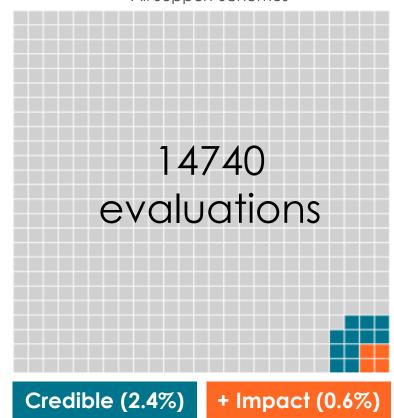


We spend a lot of public money on innovation – but does it work?



But most impact evaluations are not credible





Source: Systematic reviews conducted by the What Works Centre for Local Economic Growth at the LSE (Credible: Level 3 Maryland Scale – Positive impact on employment)



Policymakers often face complex challenges without clear solutions



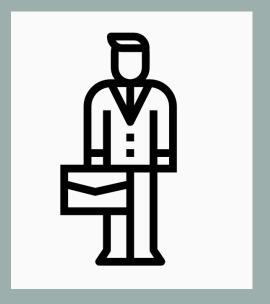
Traditional approach





Example:







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- 1. Events?
- 2. Training for SMEs?
- 3. Training for universities?
- 4. Money?



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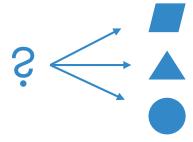
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Traditional approach

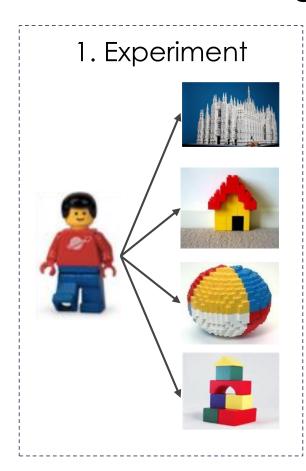


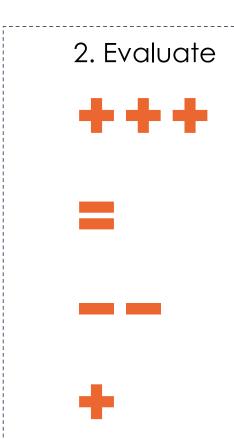
Experimental approach

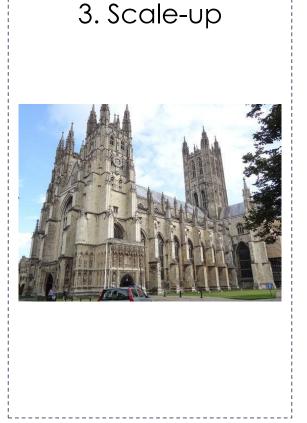


Trial different designs to discover what's best









What is really an experiment?

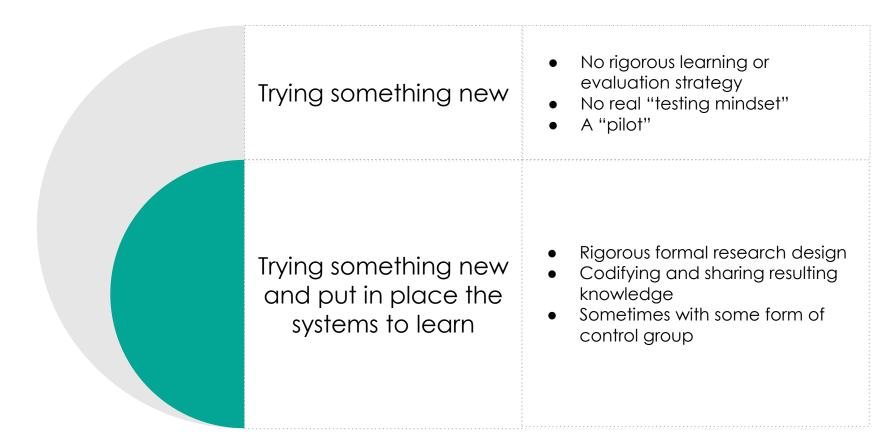


Trying something new

- No rigorous learning or evaluation strategy
- No real "testing mindset"
- A "pilot"

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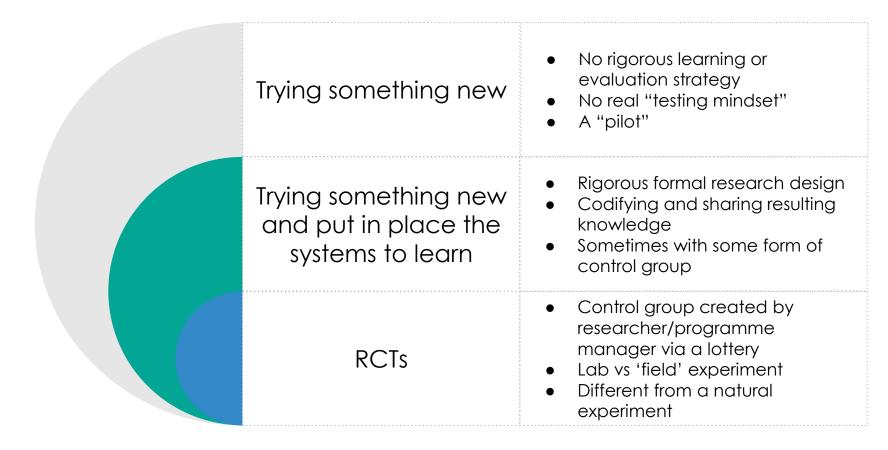






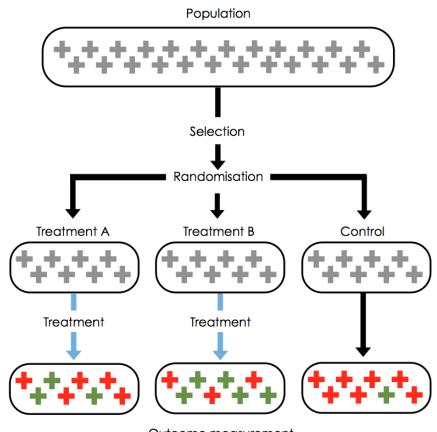
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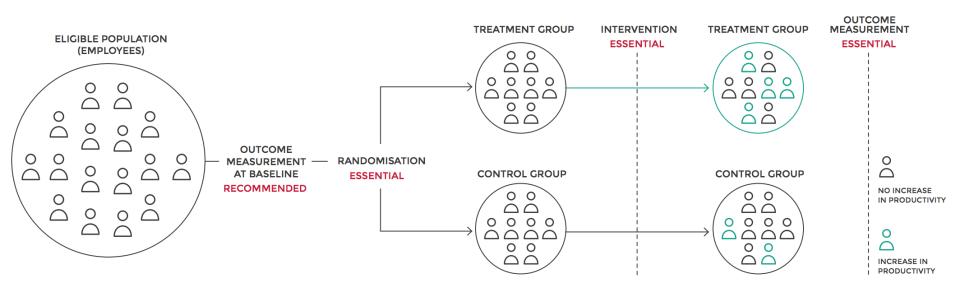
What is a randomised controlled trial (RCT)?





Outcome measurement







Can you really do this?

Increasing business-science links and technology transfer



Nesta...

CREATIVE CREDITS A RANDOMIZED CONTROLLED INDUSTRIAL POLICY EXPERIMENT

Hasan Bakhshi, John Edwards, Stephen Roper, Judy Scully, Duncan Shaw, Lorraine Morley and Nicola Rathbone

June 2013







Creative Credits were developed as a way to encourage SMEs to innovate in partnership with creative service providers

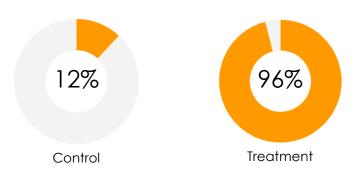
Impact was evaluated using a Randomised Controlled Trial

From 672 eligible applications, 150 were selected by lottery to receive Creative Credits



Strong short term impacts no evidence of long-term change

Undertaken the creative collaboration project four months later



...but no evidence that this high level of additionality fed through into long-term impacts on behaviour or business performance

Increasing business-science links and technology transfer





A few more examples



Can scientists be encouraged to collaborate more by reducing the 'search costs' to find potential collaborators?

Collaborators need information (e.g. skills, resources, availability) this comes at a cost.

The researchers designed an experiment to see...

If reducing the search costs by facilitating face-to-face interactions increased collaborations amongst a group of researchers?



Experiment constructed around a funding opportunity for Harvard biomedical researchers

Treated Pairs: same workshop

Control Pairs: different workshop

↑ 75%

Increase in probability of collaboration if in the same room



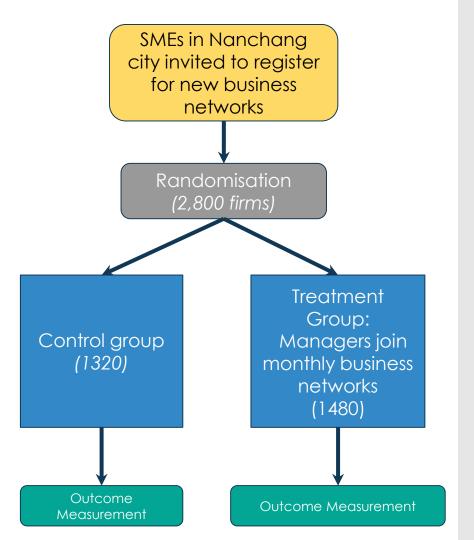
Do business networking events help business to innovate and arow?

Networking provides access to information, new ideas and opportunities

But there are search costs, coordination and information failure

Researcher's questions...

What is the impact of an expansion in a manager's network? What are the mechanisms?





Those assigned to networks performed better

- Increased revenue 8%
- Also significantly increased profits, innovation, partners and management score
- Benefits greater if network larger peers

New experimentation funds in innovation and growth policy





- European Commission launched dedicated €4M call to support innovation policy experiments
- UK BEIS Business Basics
 Programme, an £8M fund for trials testing innovative ways to encourage tech diffusion for SMEs
- Both have two strands
 - Small proof of concept trials
 - Larger scale pilots to test ideas at scale

IGL partners



















Innovate UK



Other organisations we've worked with

















































Laboratorio de Gobierno









THE BEHAVIOURAL INSIGHTS TEAM •



Take-aways:

- 1. To support innovation we all have to become a bit more innovative
- Innovation is collaborative but you have to put in place the right incentives to collaborate, and test what works



Thank you!

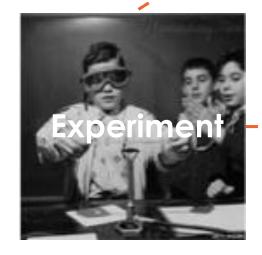
www.innovationgrowthlab.org

teo.firpo@nesta.org.uk

Three ingredients for delivering good policy









There are multiple ways to use trials





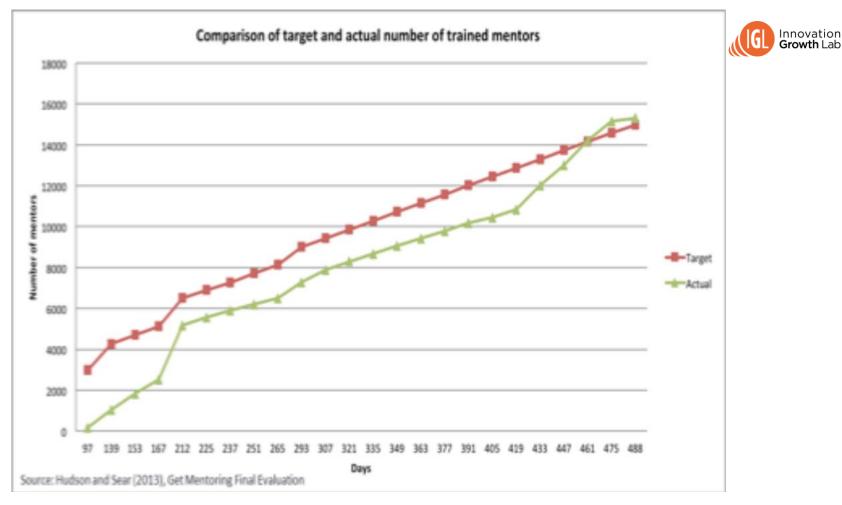
Impact
evaluation of
new
programme or
changes in the
design of an
existing one

Small scale & simple Understanding the behaviour of individuals/firms and what drives it

What works?

Large scale & complex

What is the problem? (diagnosis/mechanism experiment)



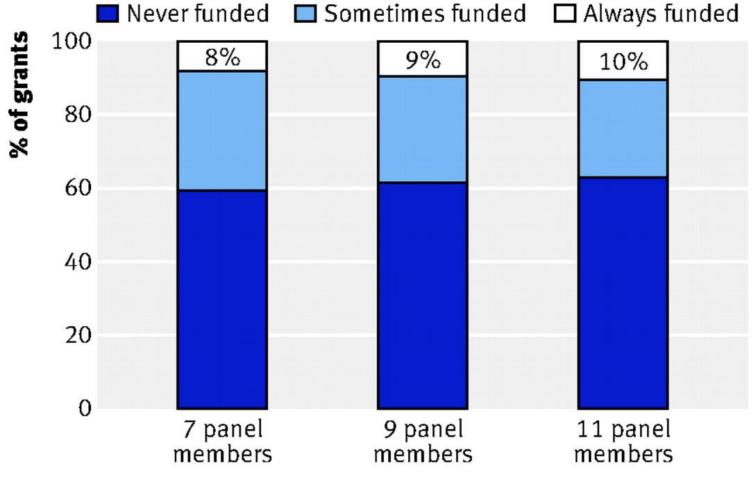
BEIS' story at https://innovationgrowthlab.org/blog/taking-first-steps-business-policy-experimentation

Growing adoption of experimentation

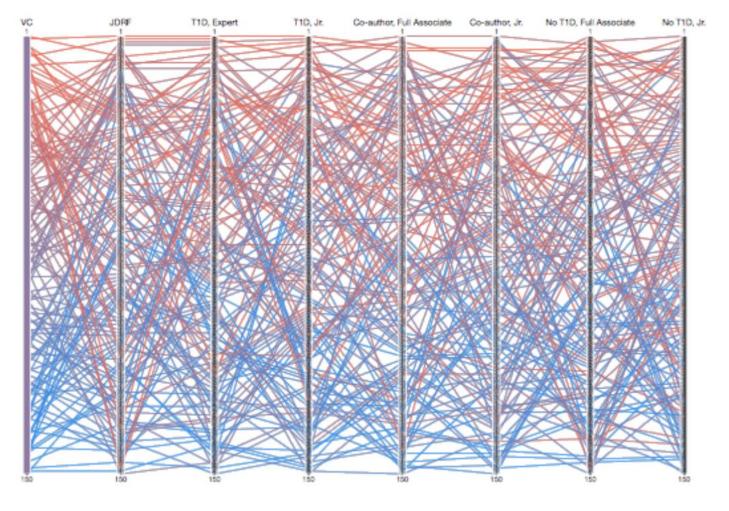


Increasingly, more governments and organisations are using policy experiments

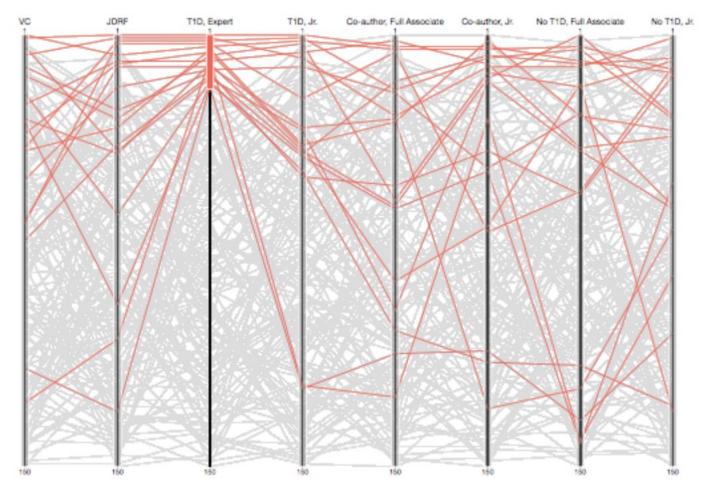




Source: Graves et al 2011, BMJ



Source: Boudreau et al 2016



Source: Boudreau et al 2016