

Turing Data Study Group | Challenge Proposal Form

Please return to datastudygroup@turing.ac.uk

Your Organisation:	
Contact point (technical):	
Contact point (commercial/contractual):	
Date/version number:	

This document serves as the start of preparation for your successful Data Study Group (DSG) experience. This document will be iterated upon throughout the process so try to complete to the best of your knowledge at this time.

If you haven't already discussed participation in the data study group with us, please [contact us](#) for an initial discussion. Not all challenges are suitable for the Data Study Group, but there are multiple ways to engage with us based on your needs.

At the briefing we will discuss:

- **Crafting challenges for scientific investigation**
 - 1 to 1 session with one of our science leads. This form is vital, so we can pair you with a relevant academic and begin tailoring your challenge for the DSG.
- **Data governance, IP and access**
 - A group discussion with our technical team. Knowing your data considerations will help us give you the most pertinent information.
- **Impact – for your organisation and the greater good**
 - Why the participants are the heart of the DSG.
 - Why we publish the final reports and how this not only benefits your organisation.

1: The challenge

A) Describe the challenge you would like to solve:

- Please include any background information, and why solving this challenge will help your organisation
- Why is the solution to the challenge not obvious? Can you identify the main difficulties, or approaches that have been considered/tried before?
- What is your scientific basis for believing the science challenge can be solved? You might want to include the available data and possible methods, and why they seem relevant.

B) Can you formulate your challenge into 2 or 3 questions?

- In principle, to be answered quite simply (Yes, No, a number, etc)

2: Dataset

A) What data can you make available to challenge participants?

- Detail per dataset: data inventory, size, variable descriptions, description of data collection mechanism, level of data sensitivity/confidentiality, etc.

B) What are the most frequent data quality issues in the data, based on your previous experience?

- If you have never looked at data like this before, please state that.

- C) If there are any issues listed above, in (B), that are not present in the data described in (A), please flag this here and explain why.

- D) Do you foresee any issues with the mechanisms for data access for DSG researchers?

- Datasets for DSG are to be hosted by Turing. They will be reviewed for data cleanliness by our software engineers and will be accessible on site by the participants during the event.

- E) Who in your organisation can approve sharing of this data?

- Please list name(s), contact details and position.

3: Impact

- A) Assuming a solid, state-of-art solution to the science challenge, what is the *least* possible business/operational/societal impact?
- ie what would be the minimal achievement of a successful challenge?

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C) What is the anticipated scope for internal follow-up on this work within your organisation?

D) What is the anticipated scope for collaborative follow-up, together with the Turing?

--Form ends--