



## Module 5

# Phase 1 Hackathon Workshop 1



# Making the headlines

**Imagine your ML solution is a success:**

What would be your dream headline in your organisation's newsletter?

**Drop your answers in the chat.**





## Module 5

# Phase 1 Hackathon Workshop 1

# Your Safety & Support at Multiverse

## Safeguarding is:

- Protecting you and everyone around you from harm, neglect, or abuse.
- Ensuring everyone has the best chance to learn and succeed.

## Prevent is:

- ...a part of safeguarding: Stopping people from being drawn into extremism.

To report anything to the Safeguarding team, contact them at [safeguarding@multiverse.io](mailto:safeguarding@multiverse.io)  
**In an emergency, always call 999.**



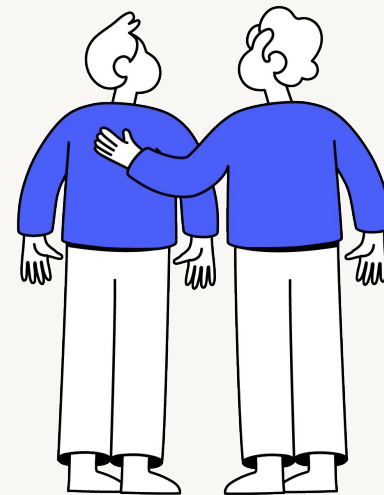
# Workshop Norms

- 1 **Participation:** Questions and contributions enrich our discussions!
- 2 **Respect:** Listen to each other and acknowledge different viewpoints.
- 3 **Technical norms**

Feel free to use the chat box and raise your hand.

Please mute yourselves while not speaking.

If you are able to, please have your video on.





# Before we start...

- Make sure you are comfortable
- Have water and a coffee or tea handy
- Have Module 5 on [my.multiverse.io](https://my.multiverse.io) open
- If you need a break - take it!
- If you need a stretch – please go ahead!
- Please mute yourselves if you are not talking
- If you're able to, have your video on





# Agenda

- Overview and hackathon logistics
- Group work on hackathon challenge
- Applying key takeaways
- Next steps



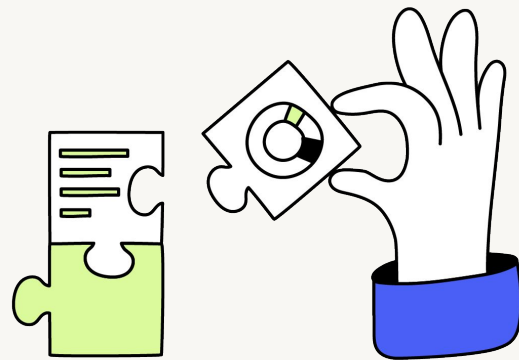
# Overview & hackathon logistics



# The areas you'll work through

- **ML problem framing:** how the problem is defined and aligned to business goals.
- **Methodology and foundations:** how the work would run.
- **Technical strategy:** how data and models would work.
- **Governance and ethics:** how risks and responsibilities are addressed.
- **Execution and communication:** how the solution would be taken forward.

**Tip:** Think like a team proposing a real AI/ML solution, not like someone completing an exercise.





# Hackathon schedule

| Workshop   | Activities                                                                              |
|------------|-----------------------------------------------------------------------------------------|
| Workshop 1 | Your first work block to define your solution direction and initial technical approach. |
| Workshop 2 | Your second work block to refine your data, modelling, and evaluation approach.         |
| Wrap up    | Presentations, feedback, celebration and key takeaways                                  |

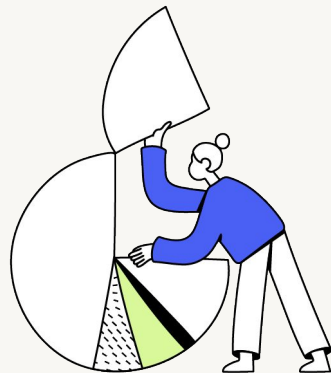


# From problem exploration to solution design

**You've chosen and explored your problem.**

**Now focus on:**

- Framing the problem and how it could be solved with AI/ML.
- Making and recording decisions, assumptions, and trade-offs.
- Remembering, there is no single "right" answer.





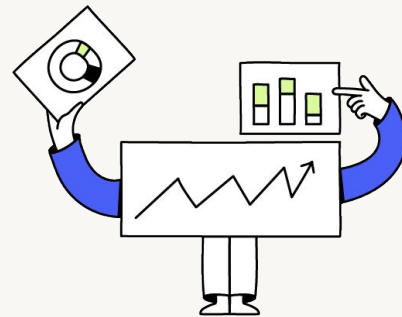
# Group work: Sprint 1



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## Your tasks:

- Frame the ML problem for the scenario you have chosen.
- Agree one AI/ML solution direction for your framed problem.
- Sketch initial thinking on data, pre-processing/feature engineering, modelling, and evaluation.





# Group work

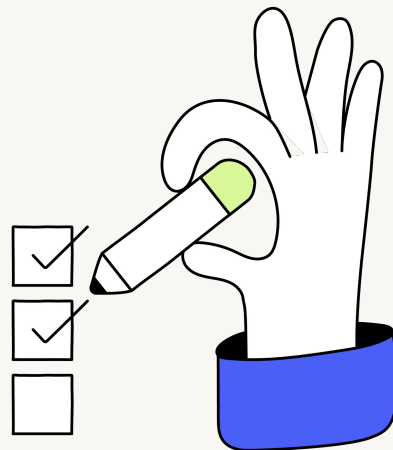
Go to My Multiverse, Module 5,  
Workshop 1



Navigate to the **"Challenge instructions"**  
page



**Follow the instructions provided  
to complete the tasks**



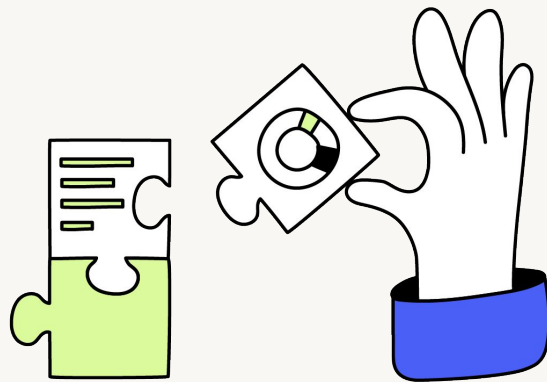


# Next steps

# Next steps in the hackathon

**In the next hackathon workshop, you will:**

-  Refine your data and modelling decisions.
-  Define how success will be evaluated.
-  Consider governance, ethical, and practical implications.

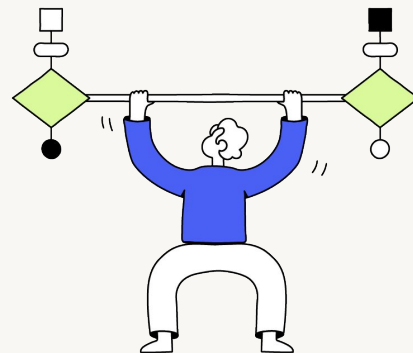




# Applying **key** **takeaways** to your organisation

# Applying key takeaways

- 1 Spot opportunities:** Identify decisions where data, prediction, or automation could improve outcomes and where AI/ML is genuinely appropriate.
- 2 Shape early solutions:** Frame problems around business goals, check data readiness early, and think through modelling and evaluation at a high level.





# Next Steps

- **Next workshop:** Phase 1 Hackathon - Workshop 2
- **Have questions?**
  - Chat with Atlas
  - Reach out to your Cohort Coach
  - Sign up for Tutoring
- **Log your OTJ hours**
- **Take the Survey** on My Multiverse

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