Age-Friendly AI

Workshop 1

Introduction to Artificial Intelligence (AI)

Part 1: Get to know AI
Part 2: Spot the difference between human intelligence and AI
Part 3: See the different sides of AI

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#DiscussAI

TU Dublin

DCU Dublin City University

Taighde Éireann Research Ireland

Part 1: Get to know AI

Summary: What is AI?

AIstands forArtificialIntelligence. It's about making machines "smart" enough to do tasks that usually require human intelligence.

Activity: Have you used AI today?

Circle anyexamplesofAIthatyouhave used today

ChatGPT

That's perfect, thank you. Yes, all good. Yes, this is correct.

Summary: AI Analogy

Data & Training

To better understand how Artificial Intelligence works, imagine an AI Personal Shopper. It might be used instead of a human personal shopper to help you find "comfortable footwear" in a larger shop with many different products. A human shopper learns through years of experience. In contrast, the AI system uses large amounts of information (for example footwear descriptions).

Algorithm

An AI Personal Shopper learns patterns in words related to the shop's products, but it doesn't "know" what a shoe is. The AI system then uses those patterns to predict words or suggestions on what should come next.

Learning

Just like a human personal shopper, the AI personal shopper gets feedback, it gets ratings in the form of stars and signals when it is doing well and when it needs to improve.

Human in the Loop

AI has not experienced the discomfort of wet or squashed feet. It simply recognises the pattern that the words "comfort" and "slippers" and "footwear" often go together. You have to check the decisions that AI makes.

Part 2: Spot that there is a difference between human intelligence and AI

Summary: What is AI good at / not so good at?

AI isatoolthatweuse to dothings like acomputerhelps us to do tasks. The benefits and risks from it depend on how you use it.

What is AI good at?

- Recognising,predictingwith patterns
- Making recommendations based on past information
- Mimicking human language

What is AI is not good at?

- It does not haveamoralorethical compass
- It does not understand sarcasm
- It can't offer genuine comfort in a situation of crisis

Activity: Is it Art or AI?

Foreach ofthe imagesbelow,tick the corresponding box if you think the image is created byan artist or is AI-generated.

Art ☐ AI ☐

Art ☐ AI ☐

Art ☐ AI ☐

Art ☐ AI ☐

Part 3: See different sides of AI

Summary: Benefits / Risks of AI

Inthe tablebelow,you can findasummary of the benefits and risks of AI mentioned in the presentation.

Benefits of AI

• Supportforindependent living (for example, smart home technologies)
• Improved healthcare (for example, faster diagnosis, continuous monitoring)
• Social connection and well being (for example, voice assistants)

Risks of AI

•Privacy & security concerns (for example, access to & misuse of private information) - General Data Protection Regulation (GDPR) & Irish Law
• Trust: Mis- and disinformation (for example, AI-generated information)
• “AI-Divide” and Bias in AI (for example, gender, age)

Activity: Benefits / Risks of AI

Inthetablebelow,write downwhatyou think the potential benefit(s) and risk(s) of AI in your life are.

Benefits of AI	Risks of AI

BE MEDIA SMART _ TIPS

Information is everywhere and sometimes it can be difficult to judge how accurate or reliable information is.

Use the STOP, THINK, CHECK method to help find accurate and reliable information.

STOP

- Read more than the headline
- Don't assume the picture is giving you the full story
- Just because information goes viral, doesn't mean it is true or accurate

THINK

- Ask yourself what the purpose of the information is
- Consider your own biases
- See if the information is being reported anywhere else

CHECK

- Check the source
- Look closely at the web address
- Look at the detail to check for accuracy
- Ask an expert

bemediasmart.ie

Be Media Smart is an initiative of Media Literacy Ireland, supported by Coimisiún na Meán and EDMO Ireland.

Wrap Up Workshop 1

Activity: Match terms to definitions

Inthe tablebelow,you can findasummaryof the benefits and risks of AI mentioned in the presentation.

Data	A type of AI (like Chat GPT, Copilot, Gemini) that can generate new text, images, music or even videos. It creates them based on what it has learned from existing information.
Human in the Loop	Information like numbers, words or pictures that computers store and use. It's the raw material that AI systems learn from and work with.
Algorithm	Technology that is designed to do tasks that usually need human thinking, like finding patterns in huge amounts of information. It is used on your phone, for example in predictive texting or in online shopping for making suggestions.
Artificial Intelligence	Having a real person involved in checking that any decisions AI systems make are safe, fair, and accurate.
Generative AI	A step-by-step set of clear instructions (like a recipe) that computers follow to solve a problem or complete a task. It tells the computer exactly what to do, and in what order.

Summary: Key Takeaways

AI is a set of powerful tools but it does not think, it recognises patterns

AI is a powerful tool but not the solution for all problems

It is important to have a “Human in the Loop”

The benefits from AI depends on how it is used - Legislation

There should be equitable access to unbiased AI systems

Stay informed

Activity: Tick the learning boxes

Reflect onwhatyouhave learned today and tick the boxes below if you have learned about the following:

- [ ] I got to know AI
- [ ] I can spot that there is a difference between human intelligence and AI
- [ ] I can see the different sides of AI