The Robots are Coming

AI: What it is and how will it impact our lives today and in the future

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What is AI?

Artificial Intelligence is the ability of computers to learn from data and perform tasks that normally require human intelligence.
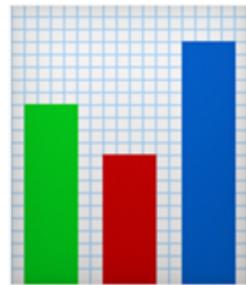
Example oof tasks:

Recognising images

Understanding speech

Making predictions

How AI Works

1. **Data** - large numbers of examples

2. **Learning** - algorithms find patterns (

3. **Prediction** - the system applies what it has learned

Everyday Examples of AI

- Voice assistants (speech recognition)

- Email spam filters

- Online recommendations

- Medical image analysis

- Navigation and traffic prediction

Limits of AI

AI is powerful, but:

It depends on **good data**

It can **make mistakes**

It **does not understand as humans do**

It still needs **human oversight**

AI is best thought of as a powerful pattern-recognition tool that helps humans make better decisions

Why AI Matters

AI can help us:

Understand complex data that humans cannot easily analyse

Automate routine tasks and improve efficiency

Make better predictions in areas like health, climate and transport

Create new tools and services that change how we live and work