







What are we going to do?





We will cover

- What is GenAl
- Types of Gen Al Architectures
- Transformers and Attention
- Al Project lifecycle
- Train vs not train: Foundational models and finetuning



This will be the foundation for what is to come

What can GenAl do?

GenAl can:

- Generate new text from a prompt
- Is this a good or bad review?
- How much demand will there be for my service tomorrow?
- Is this the cheapest way to deliver my goods?
- Is there a better way to segment my marketing strategies?
- Create images, videos
- Analyse speech to detect characters or topics



- Text Generation (ChatGPT)
- Classification (distillBERTssm)
- Forecasting (Prophet)
- Graph-ML (ChatGPT)
- Clustering (T5)

- Text to image, video (DALL-E / Midjourney)
- Speech Recognition (wav-2-vec-bert)



ARTIFICIAL INTELLIGENCE

A program that can sense, reason, act, and adapt

MACHINE LEARNING

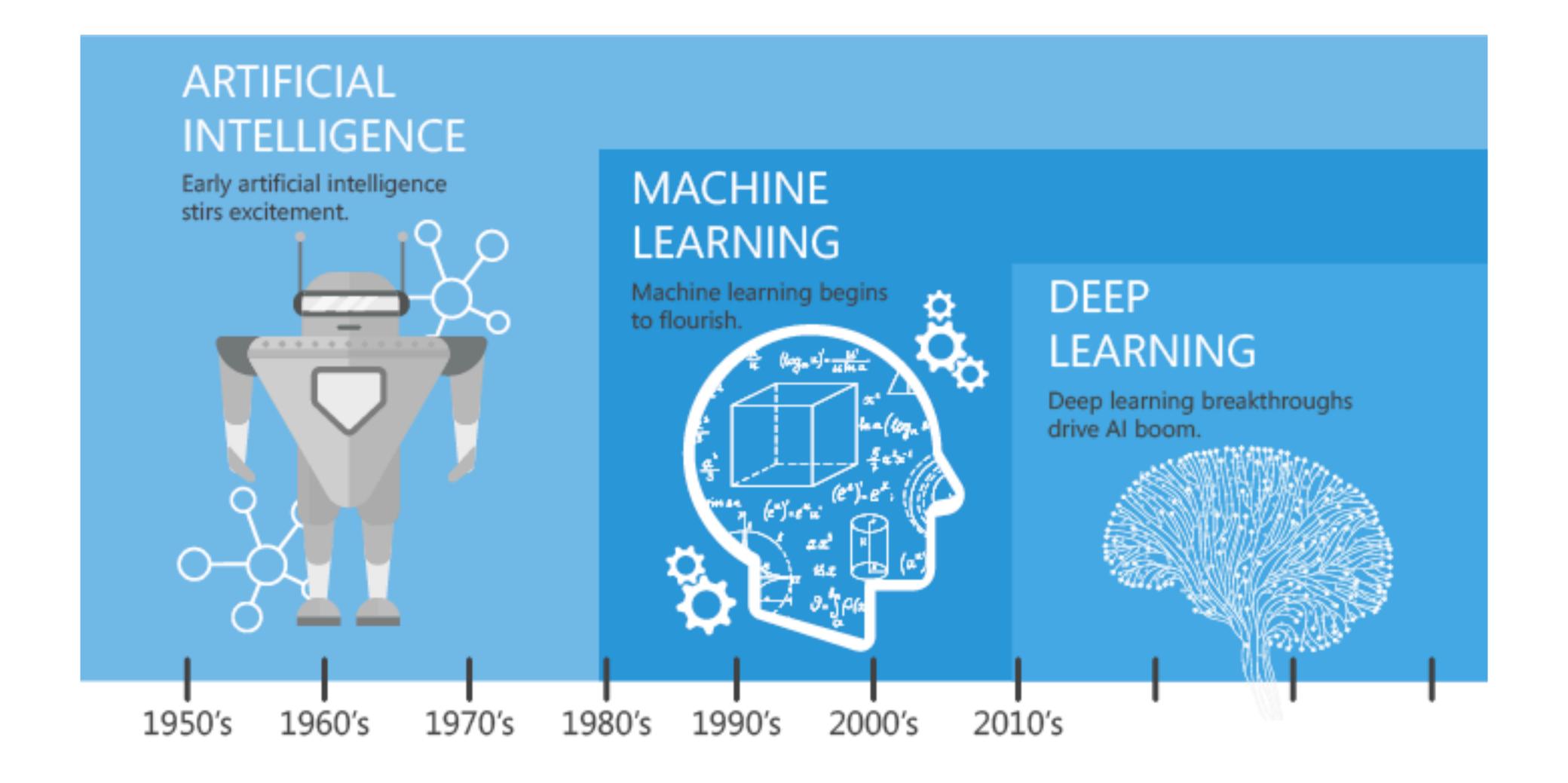
Algorithms whose performance improve as they are exposed to more data over time

DEEP LEARNING

Subset of machine learning in which multilayered neural networks learn from vast amounts of data

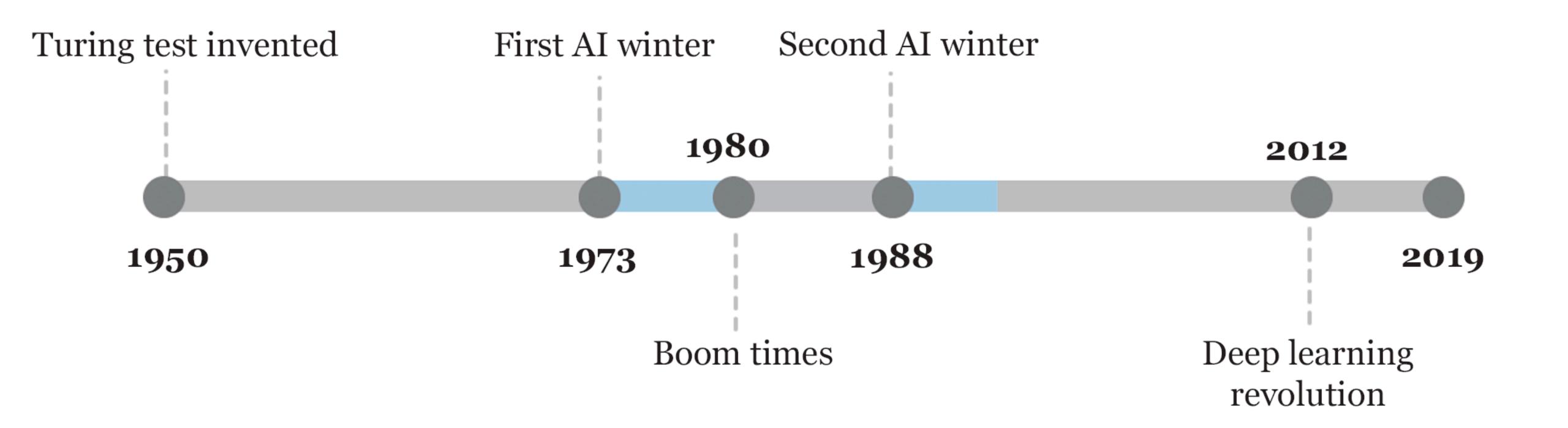














Pata Trainers

