

Machine Learning

- branch of AI that allows computers to learn from data and improve performance on tasks over time without being explicitly programmed for each task
- in ML algos identify patterns from data and learn to make predictions on unseen new data
- Ex spam filtering in emails (learns words/phrases in emails to classify as spam or not)
- like how humans learn after a while of seeing cats/dogs you know what a cat/dog is even if it's not exactly like the ones you saw before

Algorithm

- a set of well defined instructions or Rules for a computer follows to solve a problem or do a task



Ex sorting, searching
Ex a recipe

Data

- information that can be used to make decisions/predictions and insights

Ex customer purchase history (csv format table)

Date	id	title	...
01/1/22	111	face of	...
⋮	⋮	⋮	⋮

- data like this + weather data sales data etc can be used to make predictions and recommendations about what to buy / temperature tomorrow etc
- in images data is pixel intensities, can be text etc