



PART-2

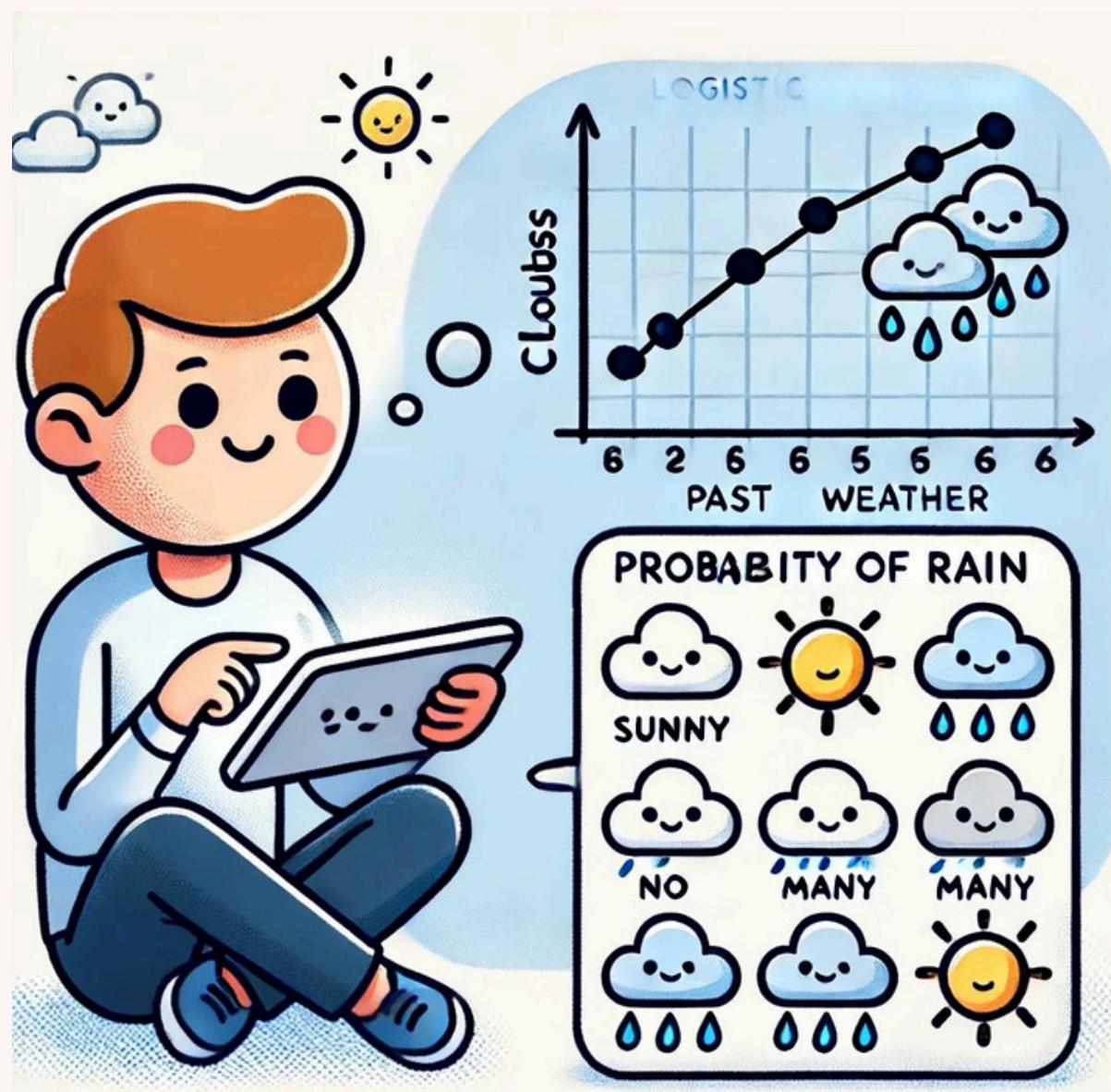
AI ALGORITHMS EXPLAINED TO KIDS



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Logistic Regression



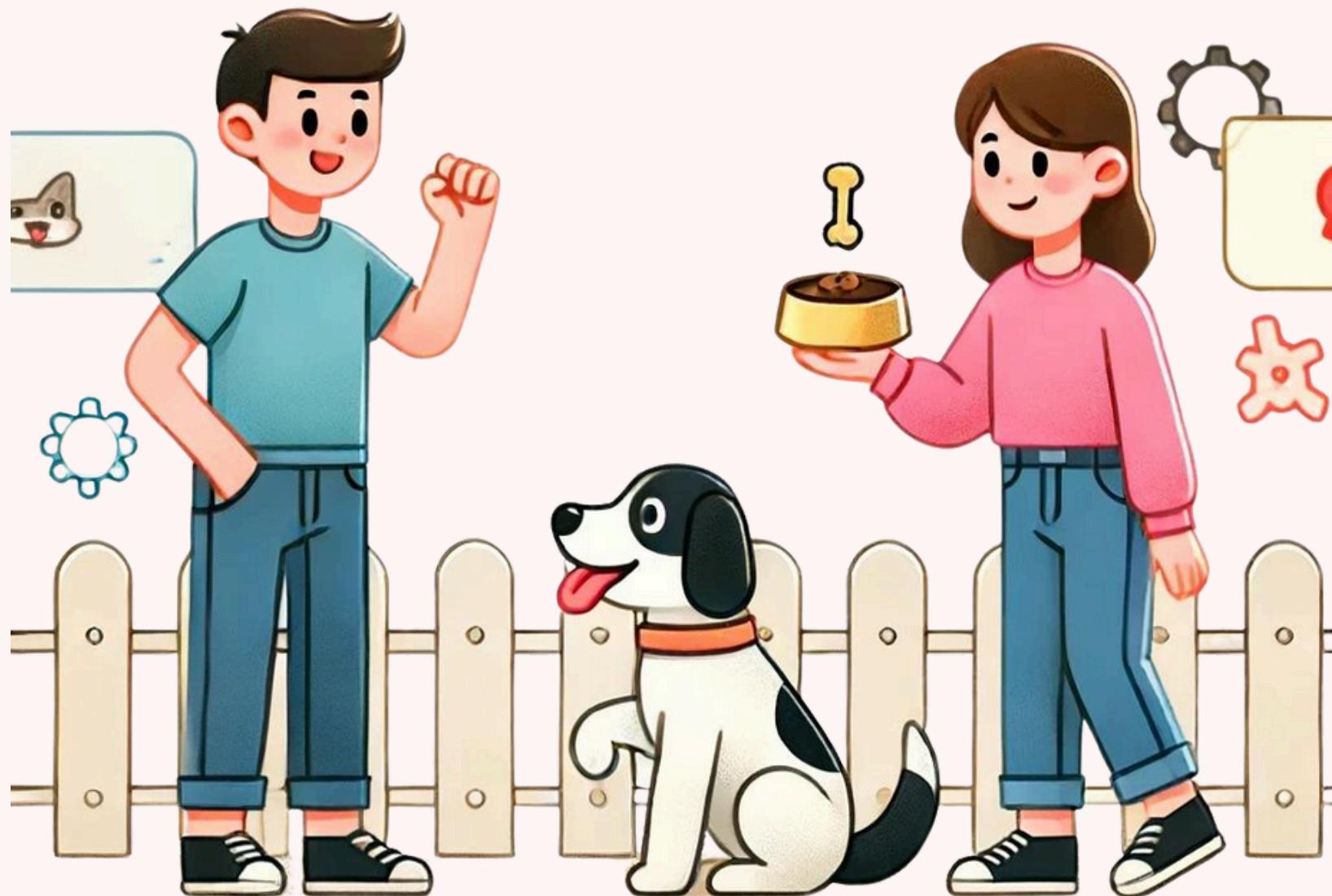
Imagine you are deciding if it will rain or not based on clouds. Logistic regression helps in predicting yes/no outcomes using past data.

Principal Component Analysis (PCA)



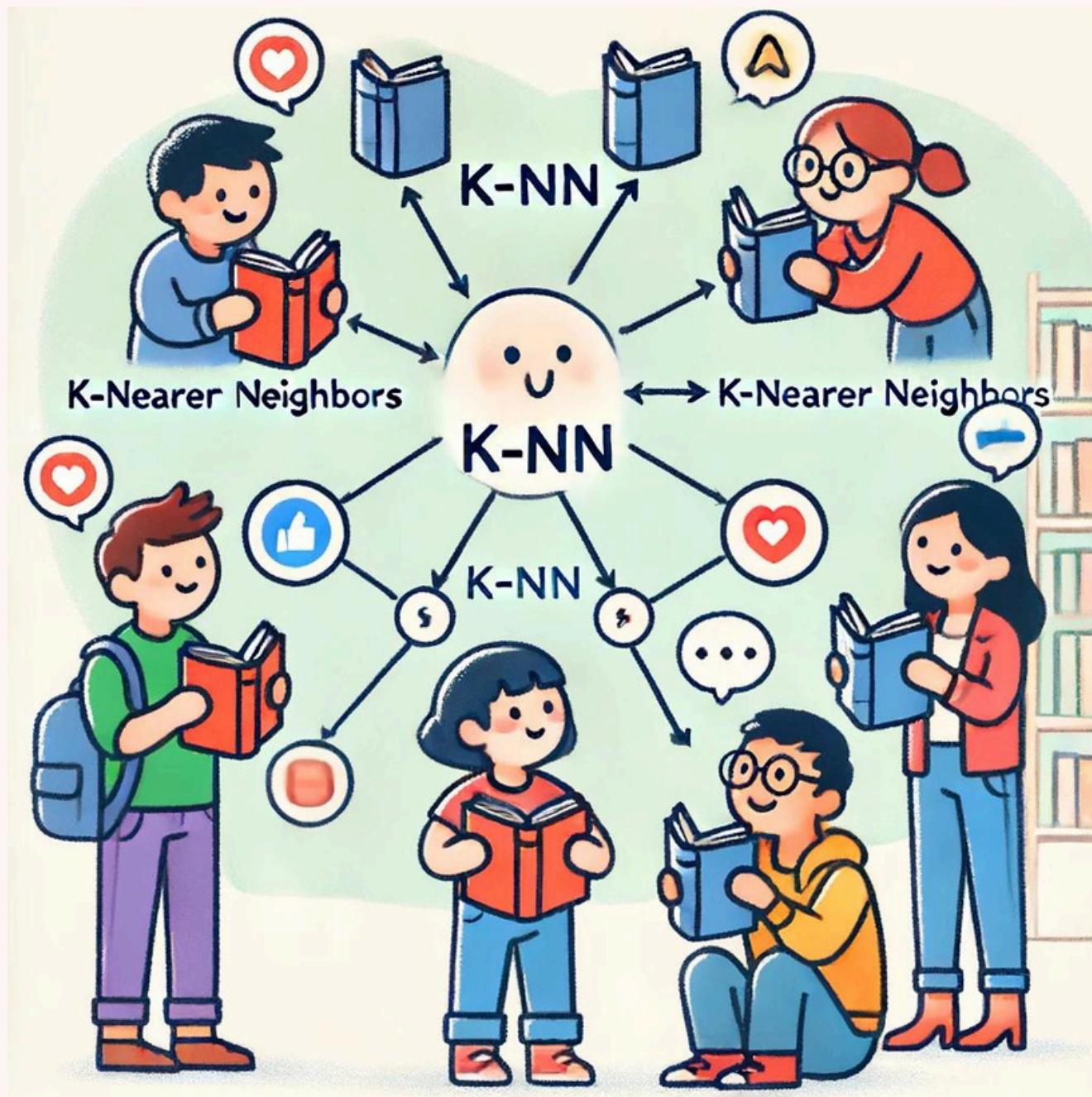
Think of PCA as packing a suitcase. You have lots of clothes (data) and PCA helps you fit the most important pieces into a small space.

Reinforcement Learning



Imagine training a dog with treats.
Reinforcement learning helps computers
learn by rewarding them for good actions
and correcting mistakes.

k-Nearest Neighbors (k-NN)



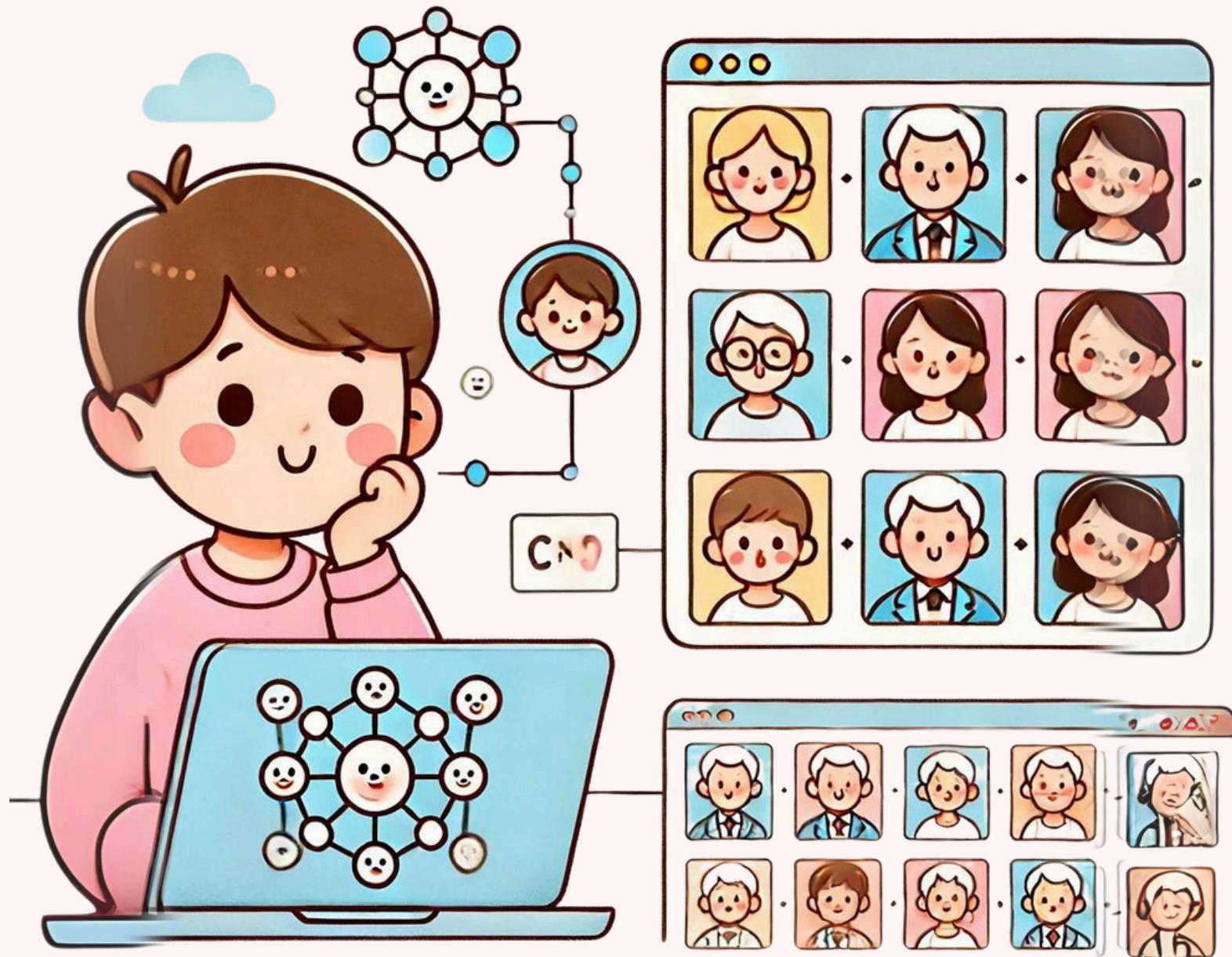
It's like finding your favorite book by asking friends for recommendations. k-NN finds the closest neighbors to make predictions.

Genetic Algorithms



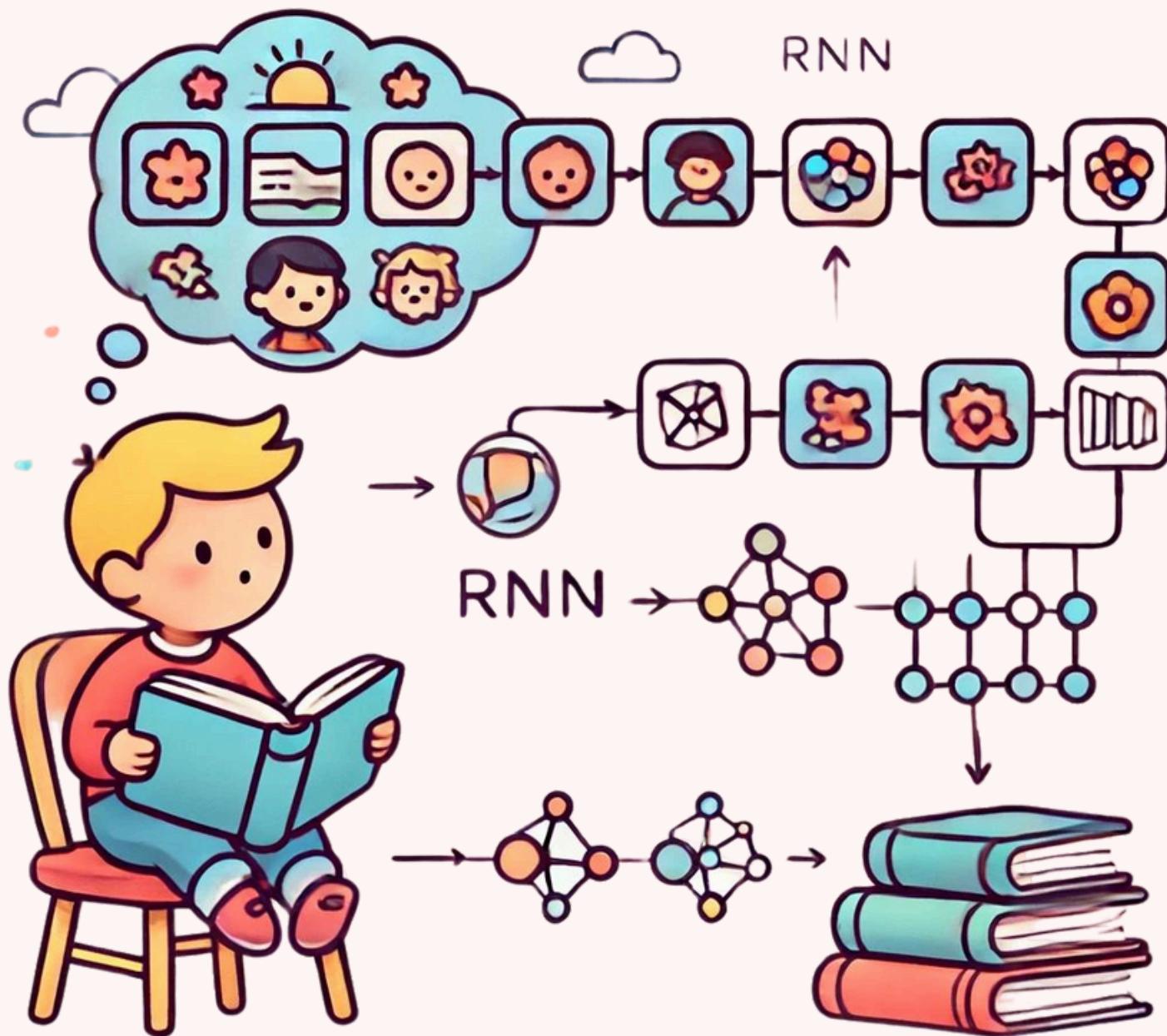
Think of creating a super pet by mixing the best traits of different pets. Genetic algorithms evolve solutions by combining the best options over time.

Convolutional Neural Networks (CNN)



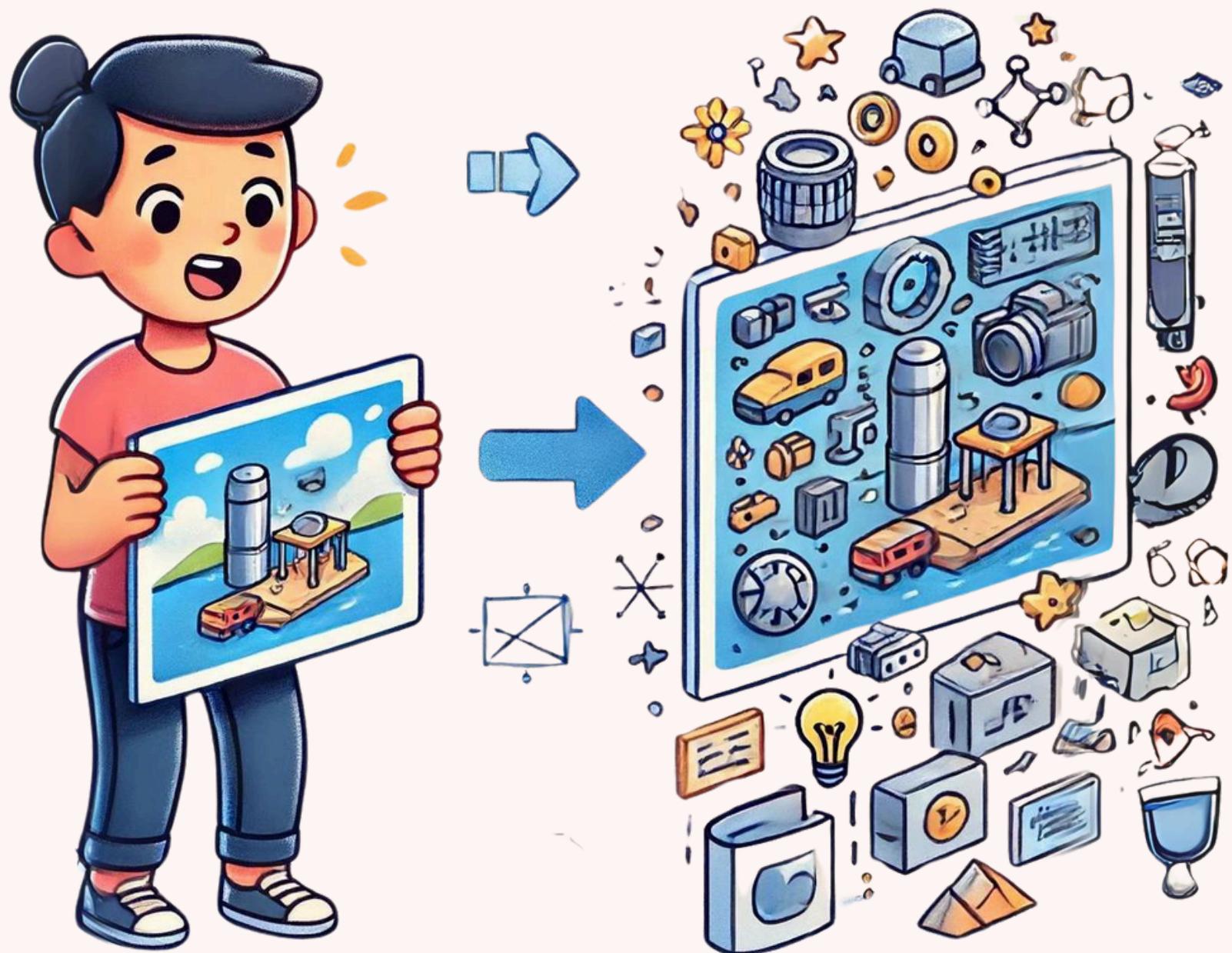
Imagine your brain recognizing faces in photos. CNNs are specialized neural networks that help computers see and understand images.

Recurrent Neural Networks (RNN)



Think of remembering a story by recalling previous sentences. RNNs help computers understand sequences, like text or time-series data.

Autoencoders



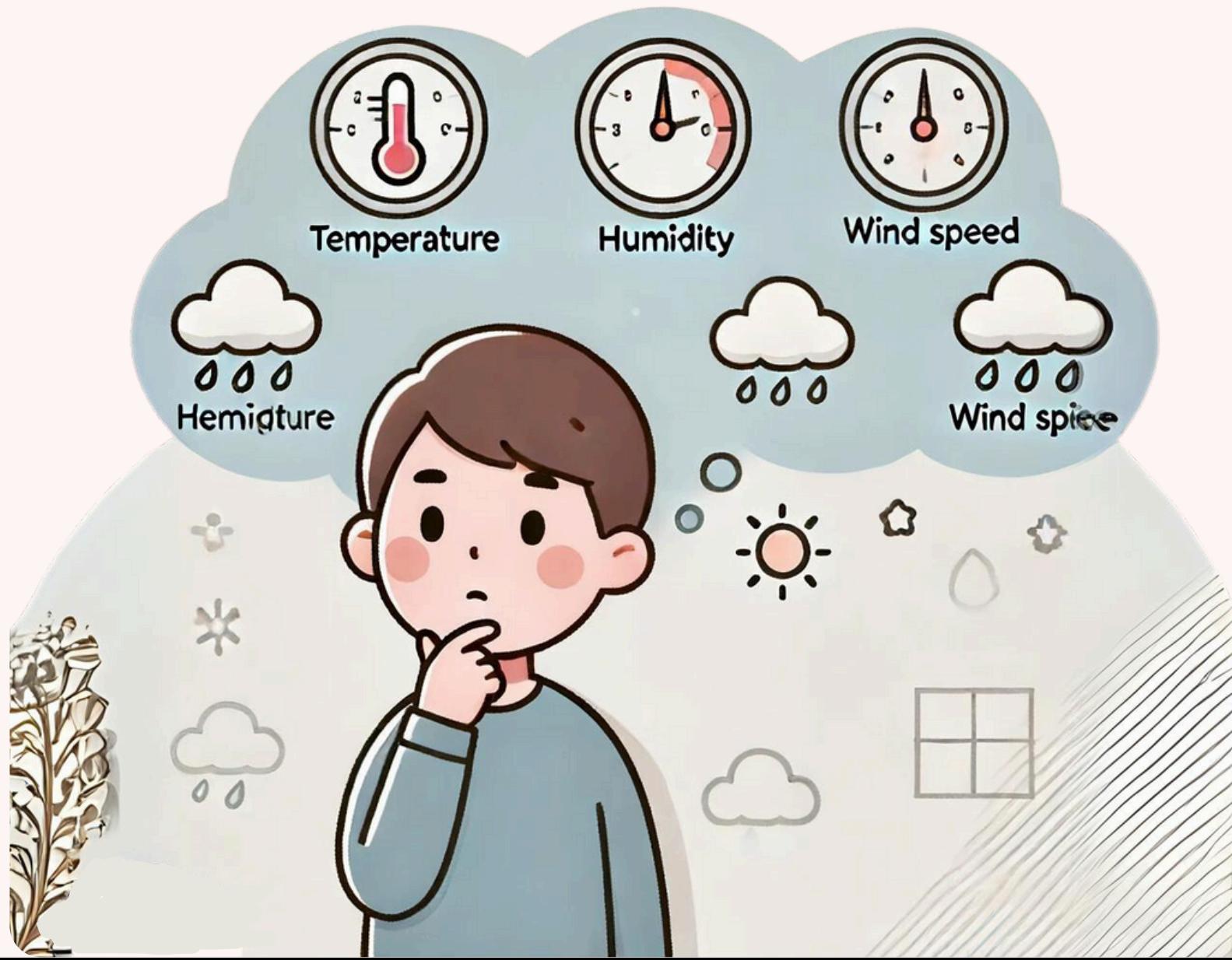
Imagine compressing a big picture into a tiny image and then expanding it back. Autoencoders reduce data size and then reconstruct it.

Q-Learning



Imagine finding the fastest way through a maze. Q-Learning helps computers find the best path by learning from exploration and rewards.

Bayesian Networks



Think of predicting weather by considering different factors like temperature and humidity. Bayesian networks use probabilities to make predictions considering various factors.

Save for later



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