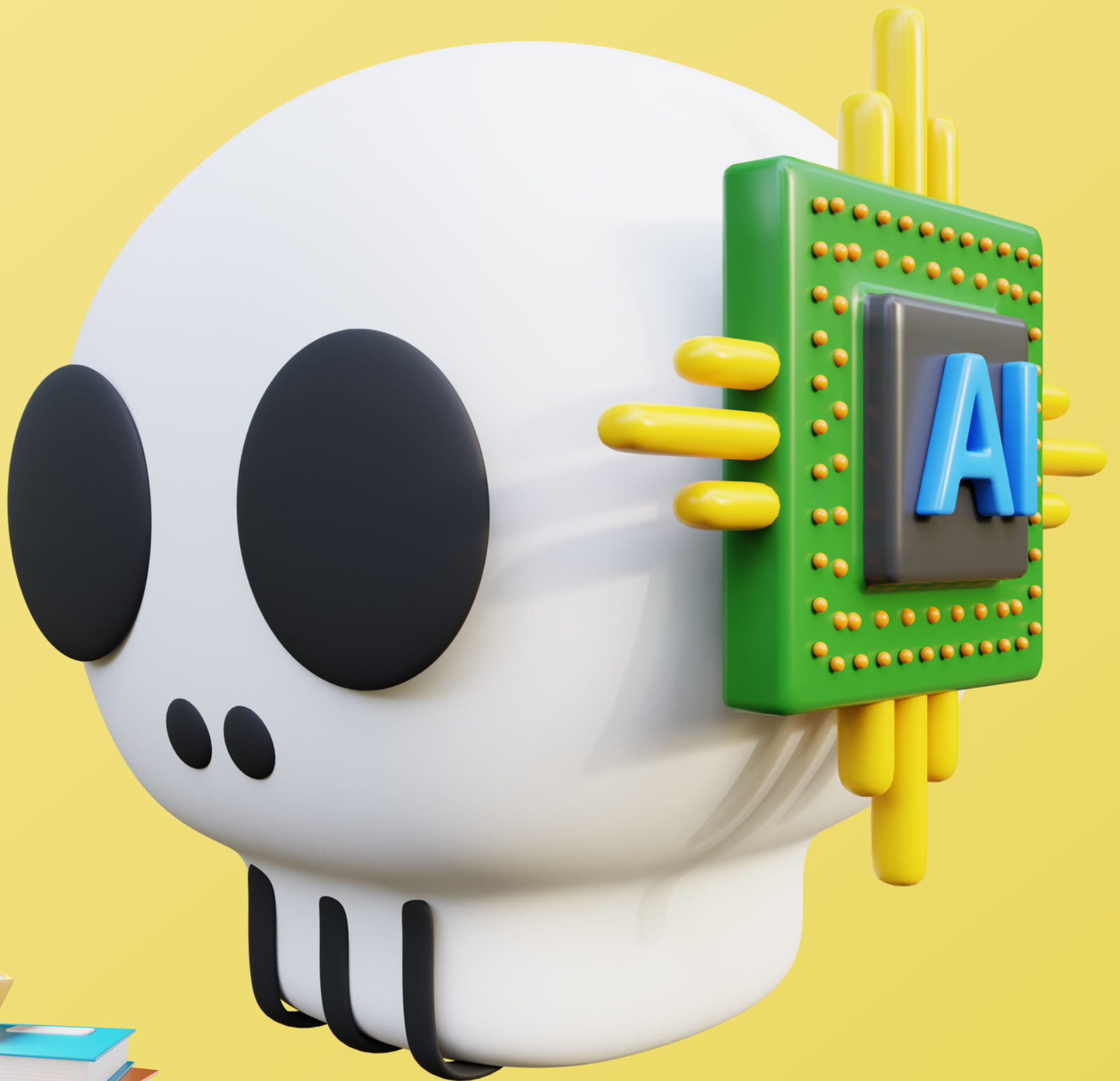


# 99+ MACHINE LEARNING ALGORITHMS



# CLUSTERING

- K Means
- K Medians
- BIRCH
- Fuzzy C-Means
- Fuzzy K-Modes
- Mini Batch K-Means
- DBSCAN
- Fuzzy clustering
- Optics algorithm
- Expectation
- Maximization
- Hierarchical clustering
- Minimum spanning tree



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# DIMENSIONALITY REDUCTION

- PCA Algorithm
- PCR Algorithm
- PLSR Algorithm
- Sammon Mapping
- MDS Algorithm
- Projection Pursuit
- Mean-shift
- LDA Algorithm

- ICA Algorithm
- NMF Algorithm
- RDA Algorithm
- MDA Algorithm
- PLSDA Algorithm
- QDA Algorithm
- CCA Algorithm
- Diffusion Map



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# RULE SYSTEM

- Cubist
- OneR
- ZeroR
- Ripper

# ARL

- Aprior
- Eclat
- FP Growth

# DEEP LEARNING

- CNNs
- ANNs
- LSTMs
- Stacked Auto Encoders
- Deep Boltzmann Machine
- Deep Belief Networks



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# DECISION TREES

- Conditional Decision Trees
- Decision Stump
- C4.5 & C5.0
- CHAID
- CARD
- M5
- I3

# REGRESSION

- Least Squares
- Linear Regression
- Logistic Regression
- Stepwise Regression  
Mars Algorithm.
- Locally-Estimated
- Scatterplot Smoothing

# REINFORCEMENT LEARNING

- Q Learning
- Deep Q-network
- Learning Automata
- DDPG Algorithm
- NAF Algorithm
- A3C Algorithm
- TRPO Algorithm
- PPO Algorithm



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# ENSEMBLE

- GBDT
- GBRT
- Boosting
- Bagging
- AdaBoost
- Random Forest
- Gradient Boosting Machines

# BAYESIAN

- AODE
- Naive Bayes
- Gaussian Naive Baves
- Multinomial Naive Bayes
- Bayesian Belief Network
- Bayesian Network

# REGULARIZATION

- Ridge Regression
- Elastic Net
- LASSO
- LARS



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# OTHER ALGORITHMS

- ALOPEX
- GeneRec
- Leabra
- Rprop
- FastiCA
- Evaluation
- LogitBoost
- Sparse PCA
- Structured KNN
- WMA Algorithm
- CN2 algorithm

- Feature selection
- Forward-Backward
- Algorithm Accuracy
- Performance Measures
- Optimization Algorithm
- Dynamic Time Warping
- Local Outlier Factor
- Logic Learning Machine
- Markov Chain Monte Carlo
- Wake Sleep Algorithm
- Linde Buzo Gray Algorithm



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