

Title: International Conference on Machine Learning

URL: https://en.wikipedia.org/wiki/International_Conference_on_Machine_Learning

PageID: 18586449

Categories: Category:Artificial intelligence conferences, Category:Machine learning stubs

Source: Wikipedia (CC BY-SA 4.0).

Supervised learning

Unsupervised learning

Semi-supervised learning

Self-supervised learning

Reinforcement learning

Meta-learning

Online learning

Batch learning

Curriculum learning

Rule-based learning

Neuro-symbolic AI

Neuromorphic engineering

Quantum machine learning

Classification

Generative modeling

Regression

Clustering

Dimensionality reduction

Density estimation

Anomaly detection

Data cleaning

AutoML

Association rules

Semantic analysis

Structured prediction

Feature engineering

Feature learning

Learning to rank

Grammar induction

Ontology learning

Multimodal learning

Apprenticeship learning

Decision trees

Ensembles Bagging Boosting Random forest

Bagging

Boosting

Random forest

k -NN

Linear regression

Naive Bayes

Artificial neural networks

Logistic regression

Perceptron

Relevance vector machine (RVM)

Support vector machine (SVM)

BIRCH

CURE

Hierarchical

k -means

Fuzzy

Expectation–maximization (EM)

DBSCAN

OPTICS

Mean shift

Factor analysis

CCA

ICA

LDA

NMF

PCA

PGD

t-SNE

SDL

Graphical models Bayes net Conditional random field Hidden Markov

Bayes net

Conditional random field

Hidden Markov

RANSAC

k -NN

Local outlier factor
Isolation forest
Autoencoder
Deep learning
Feedforward neural network
Recurrent neural network LSTM GRU ESN reservoir computing
LSTM
GRU
ESN
reservoir computing
Boltzmann machine Restricted
Restricted
GAN
Diffusion model
SOM
Convolutional neural network U-Net LeNet AlexNet DeepDream
U-Net
LeNet
AlexNet
DeepDream
Neural field Neural radiance field Physics-informed neural networks
Neural radiance field
Physics-informed neural networks
Transformer Vision
Vision
Mamba
Spiking neural network
Memtransistor
Electrochemical RAM (ECRAM)
Q-learning
Policy gradient
SARSA
Temporal difference (TD)
Multi-agent Self-play
Self-play
Active learning
Crowdsourcing
Human-in-the-loop

Mechanistic interpretability

RLHF

Coefficient of determination

Confusion matrix

Learning curve

ROC curve

Kernel machines

Bias–variance tradeoff

Computational learning theory

Empirical risk minimization

Occam learning

PAC learning

Statistical learning

VC theory

Topological deep learning

AAAI

ECML PKDD

NeurIPS

ICML

ICLR

IJCAI

ML

JMLR

Glossary of artificial intelligence

List of datasets for machine-learning research List of datasets in computer vision and image processing

List of datasets in computer vision and image processing

Outline of machine learning

v

t

e

The International Conference on Machine Learning (ICML) is an international academic conference in machine learning . Along with NeurIPS and ICLR , it is one of the three most respected conferences of high impact in machine learning and artificial intelligence research. [1] It is supported by the International Machine Learning Society (IMLS). Precise dates vary year to year, but paper submissions are generally due at the end of January, and the conference is generally held the following July. The first ICML was held 1980 in Pittsburgh . [2] [3]

ICML has published many ground-breaking research papers that form the foundation of modern Artificial Intelligence. Some notable works include Lawrence Berkeley National Laboratory 's K-means clustering via PCA (ICML 2004); Google 's Batch Normalization ; Google Brain 's EfficientNet (ICML 2019); OpenAI 's Improved Denoising Diffusion Probabilistic Models and CLIP

(ICML 2021).

ICML Sponsors

The International Conference on Machine Learning (ICML) attracts sponsors seeking access to ML research and talent. Technology companies such as Google , Google DeepMind , Google Brain , Waymo (Google's self-driving car), Microsoft Research , Amazon , Meta , IBM , Apple , and ByteDance are among ICML sponsors, regularly publishing their research and recruiting researchers at the conference. Financial firms and hedge funds, including but is not limited to Citadel Securities , Jane Street Capital , Hudson River Trading , and Two Sigma , also have a presence as sponsors and recruiters at ICML.

Locations

ICML 2026 Seoul , South Korea [4]

ICML 2025 Vancouver , Canada

ICML 2024 Vienna , Austria

ICML 2023 Honolulu , United States

ICML 2022 Baltimore , United States

ICML 2021 Vienna , Austria (virtual conference)

ICML 2020 Vienna , Austria (virtual conference)

ICML 2019 Los Angeles , United States

ICML 2018 Stockholm , Sweden

ICML 2017 Sydney , Australia

ICML 2016 New York City , United States

ICML 2015 Lille , France

ICML 2014 Beijing , China

ICML 2013 Atlanta , United States

ICML 2012 Edinburgh , United Kingdom

ICML 2011 Bellevue , United States

ICML 2010 Haifa , Israel

ICML 2009 Montréal , Canada

ICML 2008 Helsinki , Finland

ICML 2007 Corvallis , United States

ICML 2006 Pittsburgh , United States

ICML 2005 Bonn , Germany

ICML 2004 Banff , Canada

ICML 2003 Washington DC , United States

ICML 2002 Sydney , Australia

ICML 2001 Williamstown , United States

ICML 2000 Stanford , United States

ICML 1999 Bled , Slovenia

ICML 1998 Madison , United States

ICML 1997 Nashville , United States

ICML 1996 Bari , Italy

ICML 1995 Tahoe City , United States

ICML 1994 New Brunswick , United States

ICML 1993 Amherst , United States

ICML 1992 Aberdeen , United Kingdom

ICML 1991 Evanston , United States

ICML 1990 Austin , United States

ICML 1989 Ithaca , United States

ICML 1988 Ann Arbor , United States

ICML 1987 Irvine , United States

ICML 1985 Skytop , United States

ICML 1983 Monticello , United States

ICML 1980 Pittsburgh , United States

See also

ICLR

Journal of Machine Learning Research

Machine Learning (journal)

NeurIPS

References

External links

icml.cc ICML website

machinelearning.org Website of the International Machine Learning Society

v

t

e

Differentiable programming

Information geometry

Statistical manifold

Automatic differentiation

Neuromorphic computing

Pattern recognition

Ricci calculus

Computational learning theory

Inductive bias

IPU

TPU

VPU

Memristor

SpiNNaker

TensorFlow

PyTorch

Keras

scikit-learn

Theano

JAX

Flux.jl

MindSpore

Portals Computer programming Technology

Computer programming

Technology

VIAF 2

2

GND

United States 2

2

Israel

CiNii

This machine learning -related article is a stub . You can help Wikipedia by expanding it .

v

t

e