IBM Watsonx\n\nTÃ¼rkÃ§e\n\nEdit links\n\nFrom Wikipedia, the free encyclopedia\n\nAI platform developed by IBM\n\nFor the IBM question answering computer system, see IBM Watson.\n\nDeveloper(s) IBM Initial release May\xa09, 2023 ; 14 months ago (2023-05-09) [1] Written in Python Engine Multiple large language models (LLMs) Platform Cloud computing platforms Type Chatbot AI fine-tuning of large language models Generative pre-trained transformer (GPT) License Proprietary Website www .ibm .com /watsonx\n\nPart of a series on Machine learning and data mining Paradigms Supervised learning Unsupervised learning Online learning Batch learning Meta-learning Semi-supervised learning Self-supervised learning Reinforcement learning Curriculum learning Rule-based learning Quantum machine learning Neuromorphic engineering Problems 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 Supervised learning (classification â€¢ regression) Apprenticeship learning Decision trees Ensembles Bagging Boosting Random forest k -NN Linear regression Naive Bayes Artificial neural networks Logistic regression Perceptron Relevance vector machine (RVM) Support vector machine (SVM) Clustering BIRCH CURE Hierarchical k -means Fuzzy Expectationâ€“maximization (EM) DBSCAN OPTICS Mean shift Dimensionality reduction Factor analysis CCA ICA LDA NMF PCA PGD t-SNE SDL Structured prediction Graphical models Bayes net Conditional random field Hidden Markov Anomaly detection RANSAC k -NN Local outlier factor Isolation forest Artificial neural network Autoencoder Deep learning Feedforward neural network Recurrent neural network LSTM GRU ESN reservoir computing Boltzmann machine Restricted GAN Diffusion model SOM Convolutional neural network U-Net LeNet AlexNet DeepDream Neural radiance field Transformer Vision Mamba Spiking neural network Memtransistor Electrochemical RAM (ECRAM) Reinforcement learning Q-learning SARSA Temporal difference (TD) Multi-agent Self-play Learning with humans Active learning Crowdsourcing Human-in-the-loop RLHF Model diagnostics Coefficient of determination Confusion matrix Learning curve ROC curve Mathematical foundations Kernel machines Biasâ€“variance tradeoff Computational learning theory Empirical risk minimization Occam learning PAC learning Statistical learning VC theory Journals and conferences ECML PKDD NeurIPS ICML ICLR IJCAI ML JMLR Related articles Glossary of artificial intelligence List of datasets for machine-learning research List of datasets in computer vision and image processing Outline of machine learning v t e\n\nWatsonx is IBM\'s commercial generative AI and scientific data platform based on cloud. It offers a studio, data store, and governance toolkit. It supports multiple large language models (LLMs) along with IBM\'s own Granite.[2][1]\n\nThe platform is described as an AI tool tailed to companies and a one which can be customized for customers\' needs and trained on their confidential data, as client data is said to be not collected by IBM for further training of their models. It is also capable of fine-tuning, an approach which makes training pre-trained models on the newly introduced data possible.[3]\n\nHistory\n\n[edit]\n\nWatsonx was revealed on May 9, 2023, at the annual Think conference of IBM as a platform that includes multiple services. Just like Watson AI computer with the similar name, Watsonx was named after Thomas J. Watson, IBM\'s founder and first CEO.[1]\n\nOn February 13, 2024, Anaconda partnered with IBM to embed its open-source Python packages into Watsonx.[4]\n\nWatsonx is currently used at ESPN\'s Fantasy Football App for managing players\' performance.[5] It is also used by Italian telecommunications company Wind Tre.[6] Watsonx was used to generate editorial content around nominees during the 66th Annual Grammy Awards. [7]\n\nServices\n\n[edit]\n\nwatsonx.ai\n\n[edit]\n\nWatsonx.ai is a platform that allows AI developers to leverage a wide range of LLMs under IBM\'s own Granite series and others such as Facebook\'s LLaMA-2, free and open-source model Mistral and many others present in Hugging Face community for a diverse set of AI development tasks.[8][9] These models come pre-trained and are designed to excel in various Natural Language Processing (NLP) applications, encompassing question answering, content generation, summarization, text classification, and data extraction. The platform allows fine-tuning with its Tuning Studio, allowing those models to learn the data provided by customers. [10]\n\nwatsonx.data\n\n[edit]\n\nWatsonx.data is a platform designed to assist clients in addressing issues related to data volume, complexity, cost, and governance as they scale their AI workloads. This platform facilitates seamless data access, whether the data is stored in the cloud or on-premises, through a single entry point, offering simple use for users who may not possess technical expertise. This approach prioritizes data security and compliance.[10]\n\nwatsonx.governance\n\n[edit]\n\nWatsonx.governance is a platform that utilizes IBM\'s AI governance capabilities to support organizations in implementing comprehensive AI lifecycle governance. This helps them manage risks and maintain compliance with evolving AI and industry regulations. The platform allows organizations to reduce AI bias by overseeing their AI initiatives, leveraging software automation to enhance risk

mitigation, regulatory compliance, and ethical considerations.[10]\n\nSee also\n\n[edit]\n\nIBM Watson\n\nGenerative AI\n\nLarge language model\n\nChatGPT\n\nReferences\n\n[edit]\n\n^ a b c "IBM Unveils the Watsonx Platform to Power Next-Generation Foundation Models for Business". IBM Newsroom (Press release).\n\n^ Wiggers, Kyle (September 7, 2023). "IBM rolls out new generative AI features and models". TechCrunch.\n\n^ Horsey, Julian (September 5, 2023). "IBM Watsonx AI fine tuning platform for business announced". geeky-gadgets.com.\n\n^ "Anaconda Partners with IBM watsonx to Deliver Enterprise Scale AI Solutions".\n\n^ "IBM Boosts ESPN Fantasy Football Experience With Watsonx.ai". Yahoo Finance. September 14, 2023.\n\n^ Licata, Patrizia (September 14, 2023). "WindTre sceglie Watsonx di Ibm per gestire piÃ¹ velocemente le segnalazioni dei clienti". corrierecomunicazioni.it (in Italian).\n\n^ "IBM Unveils AI Stories with watsonx to Enhance the Digital Fan Experience for 66th Annual GRAMMY AwardsÂ®". IBM (Press release). Armonk, New York. PRNewswire. January 25, 2024. Retrieved February 5, 2024.\n\n^ Brady, Sarah (September 2023). "IBM launches new generative AI models". MSN.\n\n^ Brady, Sarah (2023). "IBM to integrate Llama 2 in Watsonx AI". MSN.\n\n^ a b c McDowell, Steve. "IBM Takes the Reins of Enterprise AI with Watsonx". Forbes.\n\nExternal links\n\n[edit]\n\nOfficial webpage\n\nOfficial introductory video for watsonx AI Prompt Lab\n\nv t e IBM History History Mergers and acquisitions PC business acquisition by Lenovo Products Hardware Current Mainframe IBM Z Power microprocessors Power Systems Storage FlashSystem DS8000 Quantum Q System One Q System Two Eagle Osprey Heron Condor Former Blue Gene Cell microprocessors PowerPC Midrange computer Personal Computer Selectric ThinkPad Other alphaWorks Carbon Design System Cloud Cloudant Cognos Analytics Connections Criminal Reduction Utilising Statistical History Fortran ILOG Information Management Software Lotus Software Mainframe operating systems Mashup Center Planning Analytics PureQuery Quantum Platform Qiskit OpenQASM Rational Software SPSS Tivoli Software Service Automation Manager Watson Watsonx Granite WebSphere Business entities Current Apptio Center for The Business of Government Consulting Promontory Kenexa International subsidiaries India Press Red Hat Research Former AdStar AIM alliance Kaleida Labs Taligent Ambra Computer Cognos EduQuest Kyndryl Lexmark Merative Microelectronics Product Center Science Research Associates Service Bureau The Weather Company (Weather Underground) Facilities Towers 1250 RenÃ©-LÃ©vesque , Montreal, QC One Atlantic Center , Atlanta, GA Software Labs Rome Software Lab Toronto Software Lab IBM Buildings 330 North Wabash , Chicago, IL Honolulu Seattle Facilities Thomas J. Watson Research Center Hakozaki Facility Yamato Facility Cambridge Scientific Center IBM Hursley Canada Head Office Building IBM Rochester Initiatives Academy of Technology Deep Thunder Developer Develothon Fellow The Great Mind Challenge Linux Technology Center SkillsBuild Smarter Planet Virtual Universe Community World Community Grid Think conference Inventions Automated teller machine Cynefin framework DRAM Electronic keypunch Floppy disk Hard disk drive Magnetic stripe card Relational model Sabre airline reservation system Scanning tunneling microscope Financial swaps Universal Product Code Terminology Big Blue Commercial Processing Workload Customer engineer Globally integrated enterprise e-business Think slogan CEOs Thomas J. Watson (1914â€“1956) Thomas Watson Jr. (1956â€“1971) T. Vincent Learson (1971â€“1973) Frank T. Cary (1973â€“1981) John R. Opel (1981â€“1985) John Fellows Akers (1985â€“1993) Louis V. Gerstner Jr. (1993â€“2002) Samuel J. Palmisano (2002â€“2011) Ginni Rometty (2012â€“2020) Arvind Krishna (since 2020) Board of directors Thomas Buberl David Farr Alex Gorsky Michelle J. Howard Arvind Krishna Andrew Liveris Martha E. Pollack Joseph R. Swedish Peter R. Voser Other A Boy and His Atom Big Blue sports teams American football Rugby union Common Public License / IBM Public License Deep Blue Deep Thought Dynamic infrastructure GlobalFoundries GUIDE International IBM and the Holocaust International chess tournament Lucifer cipher Mathematica IBM Plex SHARE computing ScicomP Unions Category Commons Navigational boxes FOSS Midrange computers Operating systems Personal computers System/360 System/370 Typewriters Vacuum tube computers\n\nv t e Differentiable computing General Differentiable programming Information geometry Statistical manifold Automatic differentiation Neuromorphic engineering Pattern recognition Tensor calculus Computational learning theory Inductive bias Concepts Gradient descent SGD Clustering Regression Overfitting Hallucination Adversary Attention Convolution Loss functions Backpropagation Batchnorm Activation Softmax Sigmoid Rectifier Regularization Datasets Augmentation Diffusion Autoregression Applications Machine learning In-context learning Artificial neural network Deep learning Scientific computing Artificial Intelligence Language model Large language model Hardware IPU TPU VPU Memristor SpiNNaker Software libraries TensorFlow PyTorch Keras Theano JAX Flux.jl MindSpore Implementations Audioâ€“visual AlexNet WaveNet Human image synthesis HWR OCR Speech synthesis Speech recognition Facial recognition AlphaFold Text-to-image models DALL-E Midjourney Stable Diffusion Text-to-video models Sora VideoPoet Whisper Verbal Word2vec Seq2seq BERT Gemini LaMDA Bard NMT Project Debater IBM Watson IBM Watsonx Granite GPT-1 GPT-2 GPT-3 GPT-4 ChatGPT GPT-J Chinchilla AI PaLM BLOOM LLaMA PanGu-Î£ Decisional AlphaGo AlphaZero Q-

learning SARSA OpenAI Five Self-driving car MuZero Action selection Auto-GPT Robot control People Yoshua Bengio Alex Graves Ian Goodfellow Stephen Grossberg Demis Hassabis Geoffrey Hinton Yann LeCun Fei-Fei Li Andrew Ng JÃ¼rgen Schmidhuber David Silver Ilya Sutskever Organizations Anthropic EleutherAI Google DeepMind Hugging Face OpenAI Meta AI Mila MIT CSAIL Huawei Architectures Neural Turing machine Differentiable neural computer Transformer Recurrent neural network (RNN) Long short-term memory (LSTM) Gated recurrent unit (GRU) Echo state network Multilayer perceptron (MLP) Convolutional neural network Residual neural network Mamba Autoencoder Variational autoencoder (VAE) Generative adversarial network (GAN) Graph neural network Portals Computer programming Technology Categories Artificial neural networks Machine learning\n\nRetrieved from "https://en.wikipedia.org/w/index.php?title=IBM_Watsonx&oldid=1231062979"\n\nCategories:\n\nIBM products\n\nIBM cloud services\n\nData mining and machine learning software\n\nChatbots\n\nLarge language models\n\nGenerative pre-trained transformers\n\nInteractive narrative\n\nVirtual assistants\n\n2023 software\n\nHidden categories:\n\nCS1 Italian-language sources (it)\n\nArticles with short description\n\nShort description is different from Wikidata\n\nUse American English from May 2023\n\nAll Wikipedia articles written in American English\n\nUse mdy dates from July 2023