

Machine Learning

Framework

- Accord.NET, Microsoft Azure ML, Hugging Face CANDLE, Microsoft LightGBM, MAHOT, ML.NET, Open Platform for Enterprise AI, RAY, ZenML

Platform

- Angel (Graduated), ForestFlow (Incubating), H2O, Kubeflow, MESAFLW, mlflow, Predictor3D, SELDOU, VISUAL HARETT

Library

- 1ML, DeepCausality, Recommenders (Sandbox), SapienML, AutoGluon, CatBoost, Flashlight, MediaPipe (Sandbox), mpack, OpenCV, OpenEuler, CAFET, Leavus, 將軍 Shogun, Sonnet, salesforce TransmogrifAI, dmk XGBoost, xLearn

Deep Learning

Framework

- DeepRec (Sandbox), ShaderNN (Sandbox)

Platform

- TONY (Incubating)

Library

- BigDL, Catalyst, DL4J, fast.ai, Keras, PyTorch Ignite, PyTorch Lightning, PyTorch Video

Tool

- BeyondML (Sandbox), BoTorch, Intel Distiller, ploidML, PyTorch Lightning

Programming

Graduated

- Pyro

Incubating

- Kompute

Sandbox

- DASK, Intel.NET, Julia, MARS, Numba, NumPy, NYOKA, pimgenerate, PyMC3, python, R, SciPy, SKIP, Stan

Reinforcement Learning

- CleanRL, Coach, DeepMindLab, Dopamine, Horizon, OpenAI, Google PlanNet, Google SEED RL, State Baselines

Data

Education

- DATA PRACTICES.ORG (Incubating), OpenDS4All (Incubating)

Lineage

- OpenLineage (Graduated), OpenBytes (Sandbox), OpenDataology (Sandbox)

Relational DB

- CouchDB, MySQL, KV

Store & Format

- Milvus (Graduated), docarray (Incubating), JanusGraph (Incubating), LakeSoul (Sandbox), ALLUXIO, ICEBERG, ORC, AREDSB, ARROW, DELTA LAKE, Dragonfly, druid, hudi, HugerGraph, influxdb, pandas, Parquet, pilosa, StarRocks, Valid, YEARCH, vespa, Vineyard

Versioning

- datashim (Incubating), Mathesar, snoriel, WHYLABS whylogs

Operations

- MARQUEZ (Graduated), Amundsen (Incubating), datashim (Incubating), DVC, ckan, Data Hub, Seldon

Feature Engineering

- FEAST (Incubating), feathr (Sandbox), Featuretools, ML OpenMLDS, tsfresh

Stream Processing

- NNStreamer (Incubating), RocketMQ, beam, kafka, logstash, samza, Flink, fluentd, PULSAR, Pravega, PREFECT

SQL Engine

- DRILL, HAWQ, presto, SQLFlow, trino

Visualization

- bakeh, plotly Dash, Uber deck.gl, Ecco, Google Facets, Grafana, Metabase, Prometheus, RCloud, redash, NYU, Superset, Google Tableau

Pipeline Management

- Artigraph (Sandbox), Intel Analytics Zoo, DAGSTER, PiFlow, TETON, TPOT

Labeling & Annotation

- Xtremel (Sandbox), intel CVAT, Doccano, Labelbox, LabelImg, HITACHI Inspire the Next, Microsoft VOT

Governance

- EGERIA (Graduated), Bitol (Sandbox)

Model

Inference

- ADLIX (Incubating), KServe (Incubating), CausalML, MNN, NVIDIA TensorRT, NVIDIA TensorRT, uTensor, VLLM

Federated Learning

- FATE (Incubating), Substra (Incubating), OPENFL (Sandbox), PySyft, TensorFlow Federated

Training

- MicroViz (Graduated), LEWDIG (Incubating), deepspeed, Microsoft, Petastorm, TorchRec

Parameter

- HyViz, KATIB, talos

Format & Interface

- ONNX (Graduated), Uber NeuroPod, Microsoft

Marketplace

- Machine Learning Exchange (Sandbox), Acumos (Archived), IBM

Workflow

- Flyte (Graduated), kedro (Incubating), C4TME-D (Sandbox), Airflow, nifi, argo, Azkaban, BENTONML, Cadence, Couler, CYCLOPS, DataBolt, kestra, Spotify Luigi, mLeap, Orchest, PREFECT, TRAINS

Benchmarking

- MLPerf, DAWN Bench

Tool

- FlagAI (Sandbox), Qualcomm AIMET, Facebook, AWS MMS, Amazon Neo-AI, NETRIN, ONNX Runtime, PipelineAI, studio.ml, Google, AWS TorchServe, turing

Data

- RWK LANGUAGE VOICE (Incubating)

Distributed Computing

Computing & Management

- EDL (Incubating), SOAJS (Incubating), Bahir, MESOS, Apache Ranger, SPARK, STORM, GNS3, NETFLIX genie, GraphScope, kubernetes, intel Nauta, OPENSIFT, Singularity

Interface

- OPEN VOICE INTEROPERABILITY (Incubating), sparklyr (Incubating), APACHE TOREE, LVVY

Security & Privacy

- Google Differential Privacy, IBM HElib, Microsoft SEAL, Google TensorFlow Privacy, TFEncrypted

Natural Language Processing

- DELTA (Incubating), RosaeNLG (Sandbox), Google ALBERT, AllenNLP, flair, LUON, hoystack, Kashgari, FACEBOOK LASER, intel NLP Architect, NLP, ParAI, FACEBOOK PyText, RASA, spaCy, JARVIS, Transformers, FACEBOOK XLM

Notebook Environment

- Elyra (Sandbox), colab, BeakerX, IP[y]: IPython, jupyter, PolyNote, Streamlit

Trusted & Responsible AI

Explainability

- AI Explainability 360 (Incubating), ELIS, Microsoft, WASHINGTON Lime, Google Lucid, SHAP, SKATER, Bolt, trulens

Adversarial

- Adversarial Robustness Toolbox (Graduated), AdvBox, torch

Bias & Fairness

- AI Fairness 360 (Incubating), OPEN VOICE TRUSTMARK (Incubating), Intersectional Fairness (Sandbox), Aequitas, Audit AI, Fairlearn