Resource Summary Report

Generated by dkNET on Apr 26, 2025

PySyft

RRID:SCR_021012
Type: Tool

Proper Citation

PySyft (RRID:SCR_021012)

Resource Information

URL: https://github.com/OpenMined/PySyft

Proper Citation: PySyft (RRID:SCR_021012)

Description: Software Python library for secure and private Deep Learning. Decouples private data from model training, using Federated Learning, Differential Privacy, and Encrypted Computation and Homomorphic Encryption within main deep learning frameworks. Used for computing on data you do not own and cannot see.

Resource Type: software resource

Keywords: Private Deep Learning, deep learning, decouples private data, unseen data computing

Funding:

Availability: Free, Available for download, Freely available

Resource Name: PySyft

Resource ID: SCR_021012

License: Apache License 2.0

Record Creation Time: 20220129T080353+0000

Record Last Update: 20250420T015102+0000

Ratings and Alerts

No rating or validation information has been found for PySyft.

No alerts have been found for PySyft.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Chakshu NK, et al. (2024) Orbital learning: a novel, actively orchestrated decentralised learning for healthcare. Scientific reports, 14(1), 10459.

Li W, et al. (2023) COLLAGENE enables privacy-aware federated and collaborative genomic data analysis. Genome biology, 24(1), 204.

Saldanha OL, et al. (2023) Direct prediction of genetic aberrations from pathology images in gastric cancer with swarm learning. Gastric cancer : official journal of the International Gastric Cancer Association and the Japanese Gastric Cancer Association, 26(2), 264.

Rischke R, et al. (2022) Federated Learning in Dentistry: Chances and Challenges. Journal of dental research, 101(11), 1269.

Li D, et al. (2022) Blockchain for federated learning toward secure distributed machine learning systems: a systemic survey. Soft computing, 26(9), 4423.

Senanayake N, et al. (2022) NeuroCrypt: Machine Learning Over Encrypted Distributed Neuroimaging Data. Neuroinformatics, 20(1), 91.

Lepri B, et al. (2021) Ethical machines: The human-centric use of artificial intelligence. iScience, 24(3), 102249.