## **Resource Summary Report**

Generated by dkNET on May 20, 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: 20250519T204229+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.

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.

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

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.