

Resource Summary Report

Generated by [RRID](#) on Apr 9, 2025

[tensorflow](#)

RRID:SCR_016345

Type: Tool

Proper Citation

tensorflow (RRID:SCR_016345)

Resource Information

URL: <https://www.tensorflow.org/>

Proper Citation: tensorflow (RRID:SCR_016345)

Description: Software as an open source machine learning framework for everyone. Library for high performance numerical computation. Allows deployment of computation across a variety of platforms (CPUs, GPUs, TPUs), and from desktops to clusters of servers to mobile and edge devices.

Resource Type: software toolkit, software resource, software library

Keywords: high, performance, numerical, computation, machine, learning, framework, everyone, bio.tools

Funding: Google

Availability: Free, Available for download, Freely available

Resource Name: tensorflow

Resource ID: SCR_016345

Alternate IDs: biotools:tensorflow

Alternate URLs: <https://github.com/tensorflow/tensorflow>, <https://bio.tools/tensorflow>, <https://sources.debian.org/src/libtensorflow-framework2/>

License: Apache License

Record Creation Time: 20220129T080330+0000

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Ratings and Alerts

No rating or validation information has been found for tensorflow.

No alerts have been found for tensorflow.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 509 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#).

Litsios A, et al. (2025) Protocol for cell image-based spatiotemporal proteomics in budding yeast. STAR protocols, 6(1), 103577.

Ben Khalifa A, et al. (2025) Deep Transfer Learning for Classification of Late Gadolinium Enhancement Cardiac MRI Images into Myocardial Infarction, Myocarditis, and Healthy Classes: Comparison with Subjective Visual Evaluation. Diagnostics (Basel, Switzerland), 15(2).

Ferrante M, et al. (2025) Effective Dose Estimation in Computed Tomography by Machine Learning. Tomography (Ann Arbor, Mich.), 11(1).

Panconi G, et al. (2025) DeepLabCut custom-trained model and the refinement function for gait analysis. Scientific reports, 15(1), 2364.

Kim Y, et al. (2024) A gray box framework that optimizes a white box logical model using a black box optimizer for simulating cellular responses to perturbations. Cell reports methods, 4(5), 100773.

Tran LN, et al. (2024) Computationally Efficient Demographic History Inference from Allele Frequencies with Supervised Machine Learning. Molecular biology and evolution, 41(5).

Cao K, et al. (2024) Using a new artificial intelligence-aided method to assess body composition CT segmentation in colorectal cancer patients. Journal of medical radiation sciences, 71(4), 519.

Barberis A, et al. (2024) Robustness and reproducibility for AI learning in biomedical

sciences: RENOIR. Scientific reports, 14(1), 1933.

Suzuki Y, et al. (2024) High-angular resolution diffusion imaging generation using 3d u-net. *Neuroradiology*, 66(3), 371.

Hussain Z, et al. (2024) A tutorial on open-source large language models for behavioral science. *Behavior research methods*, 56(8), 8214.

Wüstner D, et al. (2024) Dynamic Mode Decomposition of Multiphoton and Stimulated Emission Depletion Microscopy Data for Analysis of Fluorescent Probes in Cellular Membranes. *Sensors (Basel, Switzerland)*, 24(7).

Rajkó R, et al. (2024) Development of partial least squares regression with discriminant analysis for software bug prediction. *Heliyon*, 10(15), e35045.

Morita-Nakagawa M, et al. (2024) Supervised machine learning of outbred mouse genotypes to predict hepatic immunological tolerance of individuals. *Scientific reports*, 14(1), 24399.

Sami A, et al. (2024) A deep learning based hybrid recommendation model for internet users. *Scientific reports*, 14(1), 29390.

Vanhoucke T, et al. (2024) Deep learning enabled label-free microfluidic droplet classification for single cell functional assays. *Frontiers in bioengineering and biotechnology*, 12, 1468738.

Saha S, et al. (2024) An Artificial Intelligent System for Prostate Cancer Diagnosis in Whole Slide Images. *Journal of medical systems*, 48(1), 101.

Ali MM, et al. (2024) Human Pose Estimation for Clinical Analysis of Gait Pathologies. *Bioinformatics and biology insights*, 18, 11779322241231108.

Nguyen P, et al. (2024) Estimating receptive fields of simple and complex cells in early visual cortex: A convolutional neural network model with parameterized rectification. *PLoS computational biology*, 20(5), e1012127.

Wang Y, et al. (2024) Deep Learning-Based Prediction of Radiation Therapy Dose Distributions in Nasopharyngeal Carcinomas: A Preliminary Study Incorporating Multiple Features Including Images, Structures, and Dosimetry. *Technology in cancer research & treatment*, 23, 15330338241256594.

Gao Y, et al. (2024) Optimizing clinico-genomic disease prediction across ancestries: a machine learning strategy with Pareto improvement. *Genome medicine*, 16(1), 76.