

Resource Summary Report

Generated by ASWG on Aug 5, 2026

LIBSVM

RRID:SCR_010243

Type: Tool

Proper Citation

LIBSVM (RRID:SCR_010243)

Resource Information

URL: <http://www.csie.ntu.edu.tw/~cjlin/libsvm>

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Description: An integrated software for support vector classification, (C-SVC, nu-SVC), regression (epsilon-SVR, nu-SVR) and distribution estimation (one-class SVM) from the laboratory of Chih-Chung Chang and Chih-Jen Lin. It supports multi-class classification.

Synonyms: LIBSVM -- A Library for Support Vector Machines, Library for Support Vector Machines

Resource Type: software application, software resource

Keywords: software repository, vector classification, regression, distribution estimation

Resource Name: LIBSVM

Resource ID: SCR_010243

Alternate IDs: nlx_156876, nlx_157763, SCR_003614

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260805T044236+0000

Ratings and Alerts

No rating or validation information has been found for LIBSVM.

No alerts have been found for LIBSVM.

Data and Source Information

Usage and Citation Metrics

We found 1186 mentions in open access literature.

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

Hou W, et al. (2026) Differential destinations, dynamics, and functions of high- and low-order features in the feedback signal during object processing. *eLife*, 13.

Witkowski PP, et al. (2025) Neural mechanisms of credit assignment for delayed outcomes during contingent learning. *eLife*, 13.

Chang S, et al. (2025) Imageless imagery in aphantasia revealed by early visual cortex decoding. *Current biology : CB*, 35(3), 591.

Haupt M, et al. (2025) Healthy aging delays and dedifferentiates high-level visual representations. *Current biology : CB*, 35(9), 2112.

Koenig L, et al. (2025) Spontaneous slow cortical potentials and brain oscillations independently influence conscious visual perception. *PLoS biology*, 23(1), e3002964.

Urbaniak M, et al. (2025) Neural representation of nouns and verbs in congenitally blind and sighted individuals. *Nature communications*, 16(1), 8090.

Mu Q, et al. (2025) Altered brain structure age gap estimation in major depressive disorder patients with and without anhedonia: a machine learning-based study. *Translational psychiatry*, 15(1), 309.

Du B, et al. (2025) Multi-Space Feature Fusion and Entropy-Based Metrics for Underwater Image Quality Assessment. *Entropy (Basel, Switzerland)*, 27(2).

Drago?? HM, et al. (2025) Functional Connectivity and MRI Radiomics Biomarkers of Cognitive and Brain Reserve in Post-Stroke Cognitive Impairment Prediction-A Study Protocol. *Life (Basel, Switzerland)*, 15(1).

Sapountzis P, et al. (2025) Diverse neuronal activity patterns contribute to the control of distraction in the prefrontal and parietal cortex. *PLoS biology*, 23(1), e3003008.

Zayed N, et al. (2025) Classification method based on surf and sift features for alzheimer diagnosis using diffusion tensor magnetic resonance imaging. *Scientific reports*, 15(1), 9782.

Klein AZ, et al. (2025) Detection of patient metadata in published articles for genomic epidemiology using machine learning and large language models. *medRxiv : the preprint server for health sciences*.

Zhu Z, et al. (2025) Innate network mechanisms of temporal pole for semantic cognition in neonatal and adult twin studies. *Nature communications*, 16(1), 3835.

Dai X, et al. (2025) Investigating glymphatic function and bed nucleus of the stria terminalis-based functional connectivity in Parkinson's disease with and without depression. *NPJ Parkinson's disease*, 11(1), 129.

Starling-Alves I, et al. (2025) Children identified for classroom-based math support show altered resting-state connectivity in parietal brain regions. *Scientific reports*, 15(1), 27013.

Erdman A, et al. (2025) Experience-based risk taking is primarily shaped by prior learning rather than by decision-making. *Nature communications*, 16(1), 6310.

Xu Y, et al. (2025) Transformed Visual Working Memory Representations in Human Occipitotemporal and Posterior Parietal Cortices. *eNeuro*, 12(7).

Tian Z, et al. (2025) Altered gray matter morphometry in psychogenic erectile dysfunction patients: A Surface-based morphometry study. *Scientific reports*, 15(1), 28661.

Levorsen M, et al. (2025) Decomposing Cognitive Processes in the mPFC during Self-Thinking. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(22).

Ou Y, et al. (2025) Abnormalities in cognitive-related functional connectivity can be used to identify patients with schizophrenia and individuals in clinical high-risk. *BMC psychiatry*, 25(1), 308.