

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[svmvia](#)

RRID:SCR_004209

Type: Tool

Proper Citation

svmvia (RRID:SCR_004209)

Resource Information

URL: <http://noble.gs.washington.edu/proj/svmvia/>

Proper Citation: svmvia (RRID:SCR_004209)

Description: Software that implements the full regularization path optimization algorithm for training a support vector machine. The support vector machine algorithm has a single hyperparameter C that regularizes the learned model. Recently, Hastie et al. (2004) described an algorithm for finding the SVM solution for all possible values of this regularization parameter. An efficient C++ implementation of this algorithm is presented. For large values of C, it is often faster to find the entire regularization path than to train a single model.

Abbreviations: svmvia

Resource Type: software resource

Keywords: support vector machine, c++, regularization path

Availability: GNU General Public License, v2

Resource Name: svmvia

Resource ID: SCR_004209

Alternate IDs: nlx_23153

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260815T182244+0000

Ratings and Alerts

No rating or validation information has been found for svmvia.

No alerts have been found for svmvia.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Giannini V, et al. (2021) A Fully Automatic Artificial Intelligence System Able to Detect and Characterize Prostate Cancer Using Multiparametric MRI: Multicenter and Multi-Scanner Validation. Frontiers in oncology, 11, 718155.