

# Resource Summary Report

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## [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:** 20260801T190232+0000

### Ratings and Alerts

No rating or validation information has been found for svmvia.

No alerts have been found for svmvia.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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.