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# **ThunderSVM Documentation**

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The mission of ThunderSVM is to help users easily and efficiently apply SVMs to solve problems. ThunderSVM exploits GPUs and multi-core CPUs to achieve high efficiency. Key features of ThunderSVM are as follows.

- Support all functionalities of LibSVM such as one-class SVMs, SVC, SVR and probabilistic SVMs.
- Use same command line options as LibSVM.
- Support Python, R and Matlab interfaces.
- Supported Operating Systems: Linux, Windows and MacOS.

**Why accelerate SVMs:** A [survey](#) conducted by Kaggle in 2017 shows that 26% of the data mining and machine learning practitioners are users of SVMs.



# CHAPTER 1

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More information about ThunderSVM

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