



SVMs Strength and Weakness

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SVMs as Classifiers

Weakness

- Require a number of parameters for each kernel type
- Interpretability
 - Easy interpretation for linear kernel
 - Difficult to interpret the model generated by nonlinear kernels

Strength

- High tolerance to noisy data
- Flexibility in data representation: well-suited for continuous- or discrete-valued inputs and outputs
- Probabilistic prediction result
- Scalability: successful on extremely large problems
- Successful on a wide array of real-world data