

Support Vector Machines and Kernel Methods

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Support Vector Machines



Margin



Support Vectors



Optional: Lagrangian Formulation



Optional: Lagrangian Formulation



Kernels



Linear Kernels



Polynomial Kernels



RBF Kernels



Practicalities

- ▶ Large dataset but small number of features: —.
- ▶ Small dataset but large number of features: —.
- ▶ Small dataset and small number of features: —.

Notebook

