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# Machine Learning with Python-From Linear Models to Deep Learning

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## 1. Objective

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### Hinge loss, Margin boundaries, and Regularization

At the end of this lecture, you will be able to

- understand the need for maximizing the margin
- pose linear classification as an optimization problem
- understand hinge loss, margin boundaries and regularization

## Discussion

**Topic:** Unit 1. Linear Classifiers and Generalizations (2 weeks):Lecture 3 Hinge loss, Margin boundaries and Regularization / 1. Objective

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