

Machine Learning with Scikit-Learn Notes

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July 2019

Chapter 1: Machine Learning Landscape

1 Types of Machine Learning Systems

Useful to break down ML system types into 3 categories:

- based on supervision (labeling)
 - supervised learning
 - unsupervised learning
 - semisupervised learning
 - reinforcement learning
- based on incremental learning
 - online learning
 - batch learning
- based on learning type
 - instance-based
 - model-based

1.1 Supervised/Unsupervised Learning

Classify according to amount and type of supervision during training.

1.1.1 Supervised Learning

Training data includes the desired solution called **labels**.