

Kissipo Learning for Deep Learning Topic 6: Scikit-learn quick tutorial (15min)

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Topics

- Topic 01: Introduction to Deep Learning (20min)
- Topic 02: Kissipo Learning for Deep Learning (20min)
- Topic 03: Python quick tutorial (20min)
- Topic 04: Numpy quick tutorial (15min)
- Topic 05: Pandas quick tutorial (15min)
- Topic 06: Scikit-learn quick tutorial (15min)
- Topic 07: OpenCV quick tutorial (15min)
- Topic 08: Image Processing basics (20min)
- Topic 09: Machine Learning basics (20min)
- Topic 10: Deep Learning basics (20min)
- Topic 11: TensorFlow overview (20min)
- Topic 12: CNN with TensorFlow (20min)
- Topic 13: RNN with TensorFlow (20min)

- Topic 14: PyTorch overview (20min)
- Topic 15: CNN with PyTorch (20min)
- Topic 16: RNN with Pytorch (20min)
- Topic 17: Introduction to AOI (20min)
- Topic 18: AOI simple Pipeline (A) (20min)
- Topic 19: AOI simple Pipeline (B) (20min)
- Topic 20: Introduction to Object detection (20min)
- Topic 21: YoloV5 Quick Tutorial (20min)
- Topic 22: Using YoloV5 for RSD (20min)
- Topic 23: Introduction to NLP (20min)
- Topic 24: Introduction to Word Embedding (20min)
- Topic 25: Name prediction project (20min)

Content

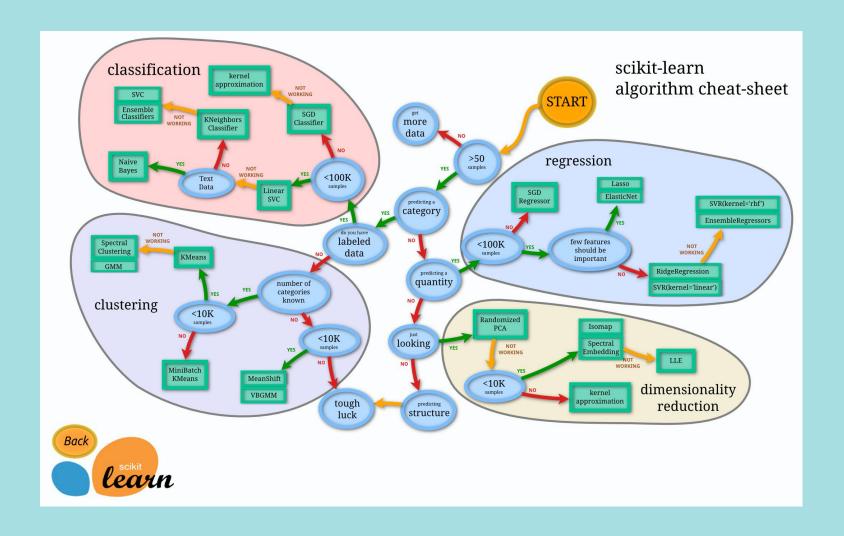
- Topic 6: Scikit-learn quick tutorial
 - Introduction to Scikit-learn
 - Scikit-learn algorithms
 - Iris example



scikit-learn Machine Learning in Python



ML algorithm cheat sheet





Iris dataset

- The data set consists of 50 samples from each of three species of Iris (Iris setosa, Iris virginica and Iris versicolor).
- Four features were measured from each sample: the length and the width of the sepals and petals
- Examples:
 - 5.1,3.5,1.4,0.2,Iris-setosa
 - 4.9,3.0,1.4,0.2,Iris-setosa
 - 6.7,3.1,4.4,1.4,Iris-versicolor
 - 5.6,3.0,4.5,1.5,Iris-versicolor
 - 6.1,2.6,5.6,1.4,Iris-virginica
 - 7.7,3.0,6.1,2.3,Iris-virginica



Iris dataset

Iris setosa

Iris versicolor

• Iris virginica







Thanks! Q&A