Machine Learning in Python:
A Step-By-Step Hands-On Introduction

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1. Getting and Familiarizing with Python and its ML Modules:
   scipy
   numpy
   matplotlib
   pandas
   sklearn
   PyCharm, Spyder and Jupyter-Notebook
2. Examining the Data Sets:
   The "Hello-World" of Machine Learning: Iris Dataset
3. Visualization of the Data
4. Classifying the Data by using
   a) nearest-Neighbour Classifier
   b) Neural Networks

Prerequisites for attending the lecture: Intermediate Programming Skills in some programming language, e.g. C, C++, Java.