

Nama: Kamilah Nada Maisa
NIM: 20224010

Membuat Virtual Environment

Saya membuat virtual environment menggunakan `python -m venv env` di dalam folder `D:\svm_local`. Environment ini kemudian saya aktifkan dengan `env\Scripts\activate`, lalu menginstal pustaka `scikit-learn`, `matplotlib`, dan `jupyter`. Semua pengujian dan visualisasi model dilakukan di dalam environment ini agar lebih terstruktur dan bebas dari konflik antar proyek.

```
Command Prompt
Microsoft Windows [Version 10.0.22631.5189]
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C:\Users\USER>D:

D:\>mkdir svm_local
A subdirectory or file svm_local already exists.

D:\>cd svm_local

D:\svm_local>python -m venv env

D:\svm_local>env\Scripts\activate

(env) D:\svm_local>pip install scikit-learn matplotlib jupyter
Requirement already satisfied: scikit-learn in d:\svm_local\env\lib\site-packages (1.6.1)
Requirement already satisfied: matplotlib in d:\svm_local\env\lib\site-packages (3.10.1)
Collecting jupyter
  Using cached jupyter-1.1.1-py2.py3-none-any.whl.metadata (2.0 kB)
Requirement already satisfied: numpy>=1.19.5 in d:\svm_local\env\lib\site-packages (from scikit-learn) (2.2.5)
Requirement already satisfied: scipy>=1.6.0 in d:\svm_local\env\lib\site-packages (from scikit-learn) (1.15.2)
Requirement already satisfied: joblib>=1.2.0 in d:\svm_local\env\lib\site-packages (from scikit-learn) (1.5.0)
Requirement already satisfied: threadpoolctl>=3.1.0 in d:\svm_local\env\lib\site-packages (from scikit-learn) (3.6.0)
Requirement already satisfied: contourpy>=1.0.1 in d:\svm_local\env\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: cycler>=0.10 in d:\svm_local\env\lib\site-packages (from matplotlib) (0.12.1)
Requirement already satisfied: fonttools>=4.22.0 in d:\svm_local\env\lib\site-packages (from matplotlib) (4.57.0)
Requirement already satisfied: kiwisolver>=1.3.1 in d:\svm_local\env\lib\site-packages (from matplotlib) (1.4.8)
Requirement already satisfied: packaging>=20.0 in d:\svm_local\env\lib\site-packages (from matplotlib) (25.0)
Requirement already satisfied: pillow>=8 in d:\svm_local\env\lib\site-packages (from matplotlib) (11.2.1)
Requirement already satisfied: pyparsing>=2.3.1 in d:\svm_local\env\lib\site-packages (from matplotlib) (3.2.3)
```