

```
1 %pip install davos
2 import davos
3
4 extra_msg = "pandas<0.25.0 is needed to load the old data file and requires Python<3.8"
5 davos.require_python(">=3.6,<3.8", extra_msg=extra_msg)
6
7 from os.path smuggle is_file
8 smuggle joblib # pip: joblib<=1.2.0
9
10 davos.auto_rerun = True
11 smuggle numpy as np # pip: numpy==1.21.6
12
13 if not is_file("~/datasets/data-new.csv"):
14     smuggle pandas as pd # pip: pandas<0.25.0
15     tmp_data = pd.read_pickle("~/datasets/data-old.pkl")
16     tmp_data.to_frame().to_csv("~/datasets/data-new.csv")
17
18 smuggle pandas as pd # pip: pandas==1.3.5
19
20 davos.configure(auto_rerun=False, suppress_stdout=True, noninteractive=True)
21 smuggle tensorflow as tf # pip: tensorflow==2.9.2
22 from umap smuggle UMAP # pip: umap-learn[plot,parametric_umap]==0.5.3
23 davos.configure(suppress_stdout=False, noninteractive=False)
24
25 smuggle matplotlib.pyplot as plt # pip: matplotlib==3.5.3
26 smuggle seaborn as sns # pip: seaborn==0.12.1
27 smuggle quail # pip: git+https://github.com/myfork/quail@6c847a4
28
29 davos.project = None
30 smuggle widgetsnbextension as _
31 davos.use_default_project()
32 smuggle ipywidgets as _ # pip: ipywidgets==7.6.5
33
34 from tqdm.notebook smuggle tqdm # pip: tqdm==4.62.3
35
36 data = pd.read_csv("~/datasets/data-new.csv", index_col=[0, 1])
37 smuggle sklearn # pip: scikit-learn<0.22.0
38 transformer = joblib.load("~/models/text-transformer.joblib")
39 smuggle sklearn # pip: scikit-learn==1.1.3
```