

Google Colab 사용법

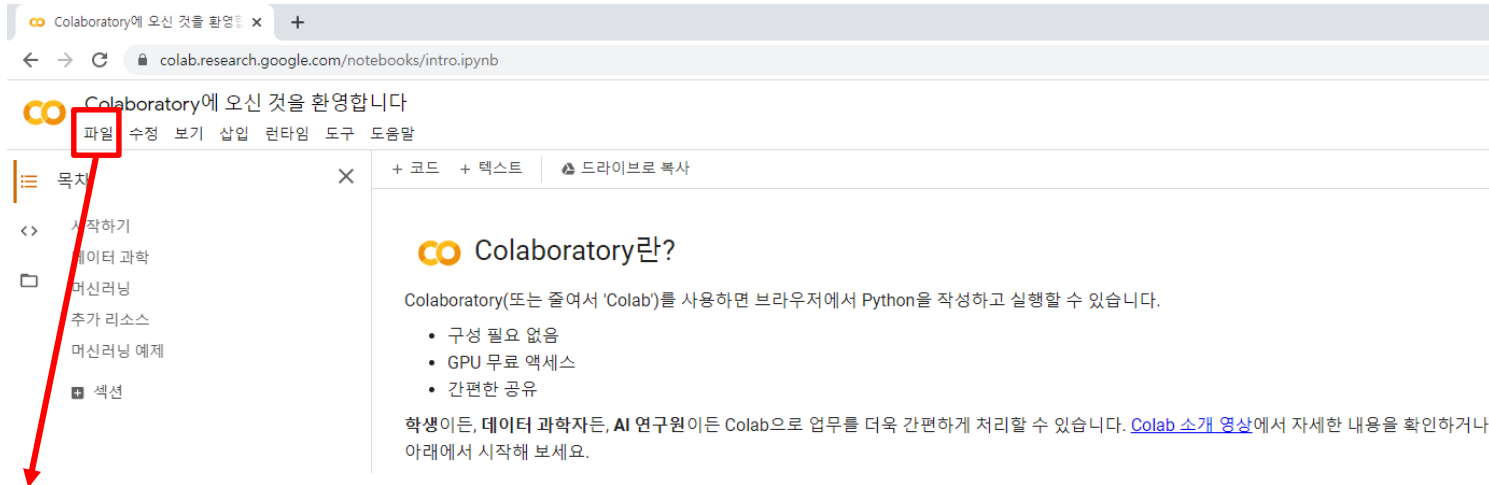
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Google Colab

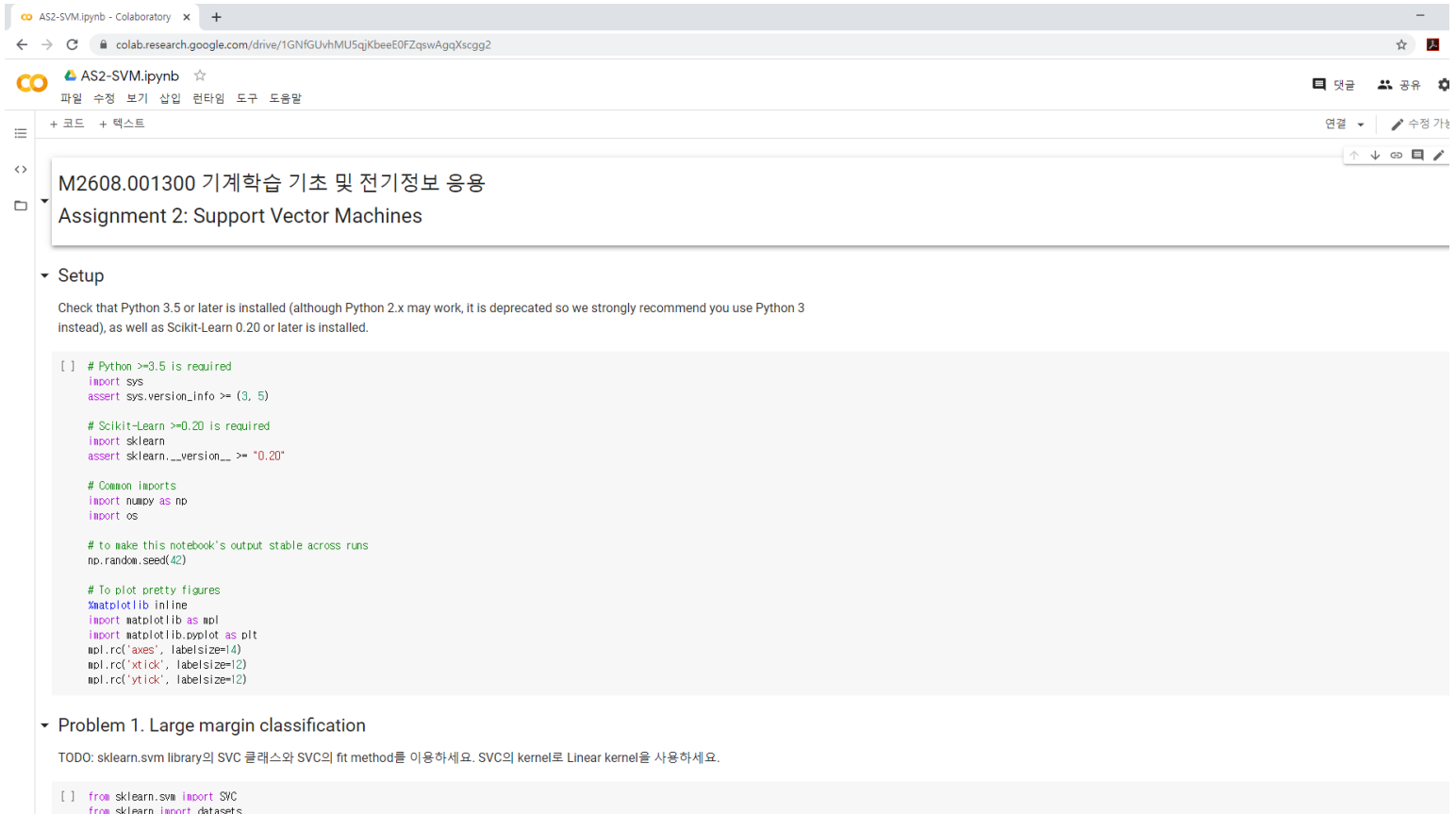
- Link: <https://colab.research.google.com/notebooks/intro.ipynb>



- 파일 - 노트 업로드



- AS2-SVM.ipynb 선택



The screenshot shows a Google Colab notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/1GNfGUvhMU5qjKbeeE0FZqswAgqXscgg2`. The notebook title is "AS2-SVM.ipynb". The left sidebar shows a file explorer with a folder icon and a plus sign. The main content area has a title bar with "M2608.001300 기계학습 기초 및 전기정보 응용" and "Assignment 2: Support Vector Machines". Below the title bar, there is a "Setup" section with a paragraph of text: "Check that Python 3.5 or later is installed (although Python 2.x may work, it is deprecated so we strongly recommend you use Python 3 instead), as well as Scikit-Learn 0.20 or later is installed." This is followed by a code cell containing Python code for environment setup. Below the code cell, there is a "Problem 1. Large margin classification" section with a TODO instruction: "TODO: sklearn.svm library의 SVC 클래스와 SVC의 fit method를 이용하세요. SVC의 kernel로 Linear kernel을 사용하세요." This is followed by another code cell containing Python code for importing SVM and datasets.

AS2-SVM.ipynb - Colaboratory x +

colab.research.google.com/drive/1GNfGUvhMU5qjKbeeE0FZqswAgqXscgg2

AS2-SVM.ipynb ☆

파일 수정 보기 삽입 런타임 도구 도움말

+ 코드 + 텍스트

연결 | 수정 가능

M2608.001300 기계학습 기초 및 전기정보 응용

Assignment 2: Support Vector Machines

Setup

Check that Python 3.5 or later is installed (although Python 2.x may work, it is deprecated so we strongly recommend you use Python 3 instead), as well as Scikit-Learn 0.20 or later is installed.

```
[ ] # Python >=3.5 is required
import sys
assert sys.version_info >= (3, 5)

# Scikit-Learn >=0.20 is required
import sklearn
assert sklearn.__version__ >= "0.20"

# Common imports
import numpy as np
import os

# to make this notebook's output stable across runs
np.random.seed(42)

# To plot pretty figures
%matplotlib inline
import matplotlib as mpl
import matplotlib.pyplot as plt
mpl.rcParams['axes', labelsize=14)
mpl.rcParams['xtick', labelsize=12)
mpl.rcParams['ytick', labelsize=12)
```

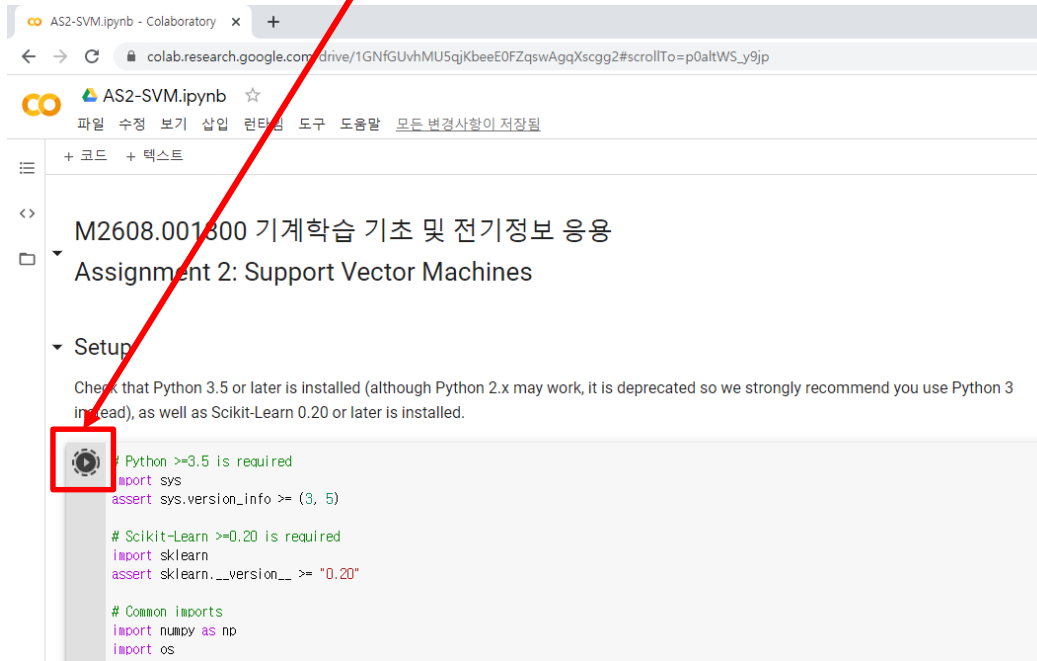
Problem 1. Large margin classification

TODO: sklearn.svm library의 SVC 클래스와 SVC의 fit method를 이용하세요. SVC의 kernel로 Linear kernel을 사용하세요.

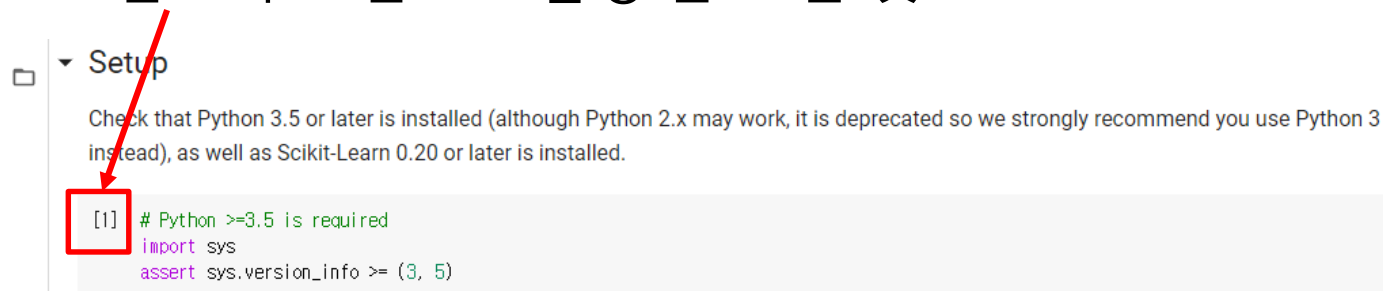
```
[ ] from sklearn.svm import SVC
from sklearn import datasets
```

Google Colab

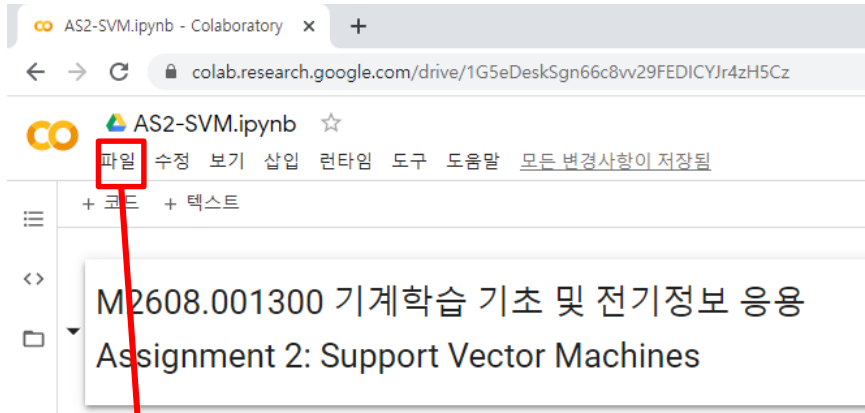
- Cell 실행 (버튼 누르기 or Ctrl+Enter)



- 번호가 뜨면 cell 실행 완료 된 것



- 과제 완료 후:



- 파일 - 저장
- 파일 - .ipynb 다운로드
- 과제 완료된 AS2-SVM.ipynb 파일과 보고서를 {본인 학번} 폴더에 넣은 후 {본인 학번}.tar.gz로 압축
- 생성된 압축파일 (e.g., 2020-12345.tar.gz)을 eTL에 업로드

Thank You!

