

개발 오류 해결

인공지능

감정인식 인공지능

- Jupyter, keras, python
- 사용한 데이터셋
<https://www.kaggle.com/datasets/msmbare/fer2013/>

1. 모델 아키텍처 보기

- pydot 미설치 오류

```
In [25]: from IPython.display import SVG
         from keras.utils.vis_utils import model_to_dot

         %matplotlib inline

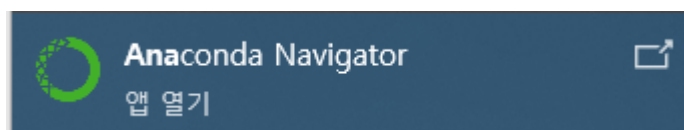
         SVG(model_to_dot(network, show_shapes=True).create(prog='dot', format='svg'))

-----
ImportError                                Traceback (most recent call last)
Cell In[25], line 6
      2 from keras.utils.vis_utils import model_to_dot
      4 get_ipython().run_line_magic('matplotlib', 'inline')
----> 6 SVG(model_to_dot(network, show_shapes=True).create(prog='dot', format='svg'))

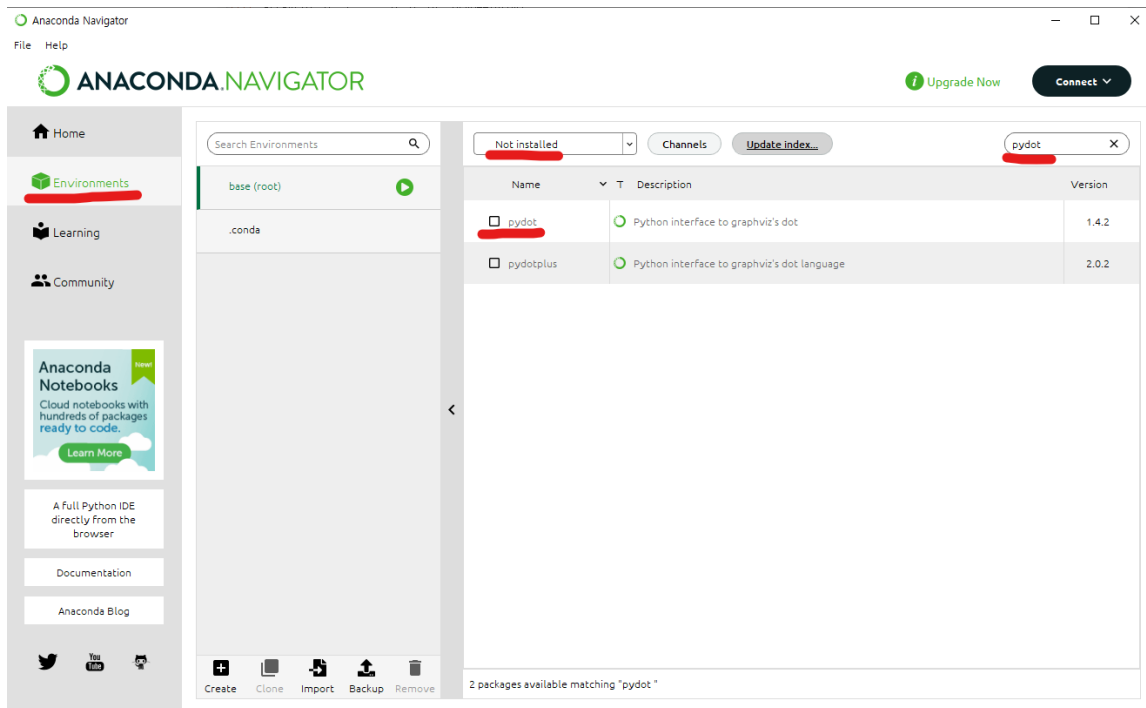
File D:\anaconda\lib\site-packages\keras\utils\vis_utils.py:138, in model_to_dot(model, show_shapes, show_dtype, show_layer_names, rankdir, expand_nested, dpi, subgraph, layer_range, show_layer_activations)
    135 from keras.layers import Wrapper
    137 if not check_pydot():
--> 138     raise ImportError(
    139         "You must install pydot ('pip install pydot') for "
    140         "model_to_dot to work."
    141     )
    143 if subgraph:
    144     dot = pydot.Cluster(style="dashed", graph_name=model.name)

ImportError: You must install pydot ('pip install pydot') for model_to_dot to work.
```

- 해결방안 (대부분의 No module named 에러에 적용됨)
 - anaconda navigator 열기



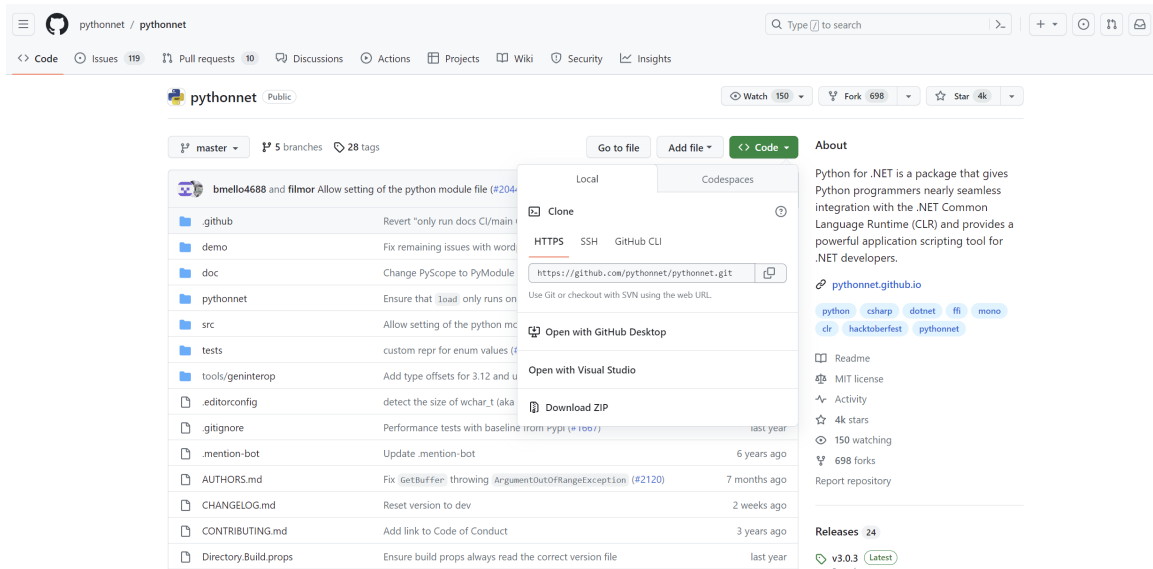
- 왼쪽 environments 누르고 Not installed 선택, 우측에 설치 원하는 모듈 검색



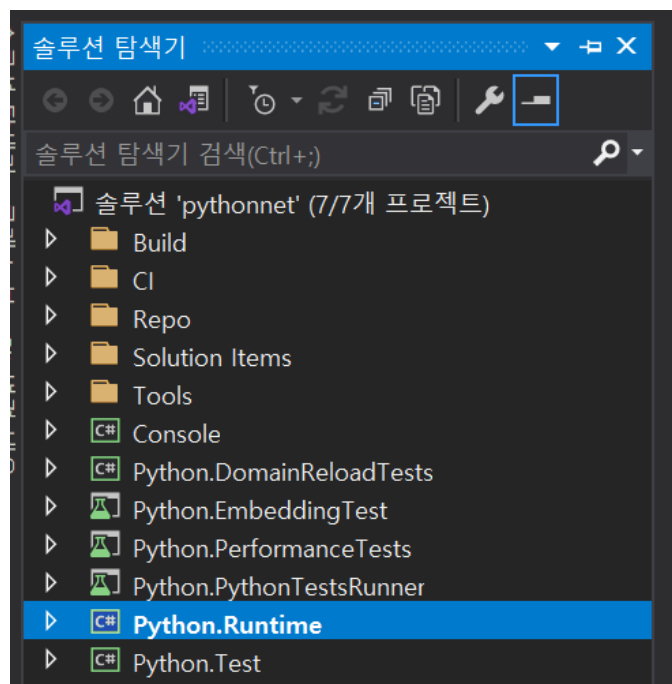
- 체크 후 계속 Apply 누르면 설치 완료.
- No module named 'dlib'
 - <https://velog.io/@siyeon-hwang/anaconda-dlib-설치하기>
 - 아나콘다 prompt 열기
 - 차례로 입력 (첫번째 것만 해도 됨)

```
conda install -c conda-forge dlib
conda install -c conda-forge/label/cf201901 dlib
conda install -c conda-forge/label/cf202003 dlib
```

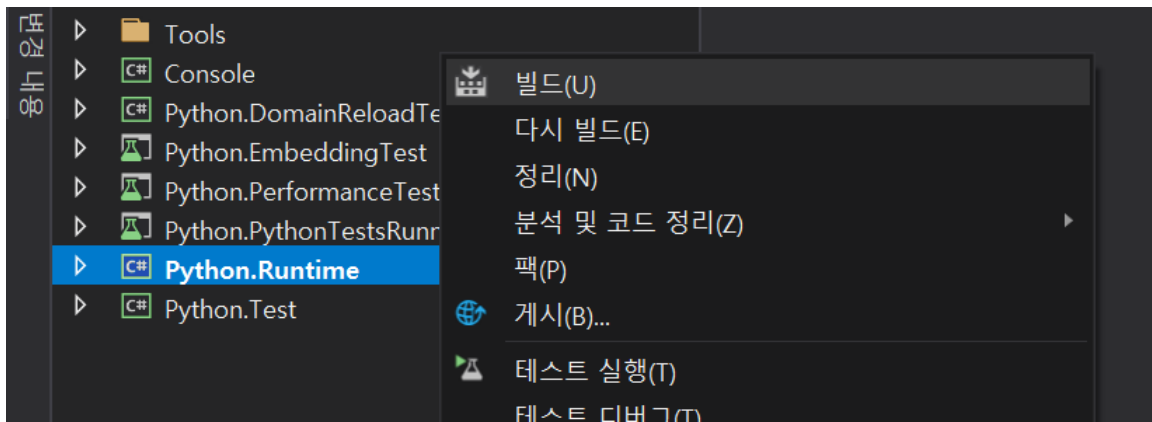
- 유니티 c#에서 using Python.Runtime 선언 불가 오류
 - <https://somegenericdev.medium.com/calling-python-from-c-an-introduction-to-pythonnet-c3d45f7d5232>
 - <https://github.com/pythonnet/pythonnet>



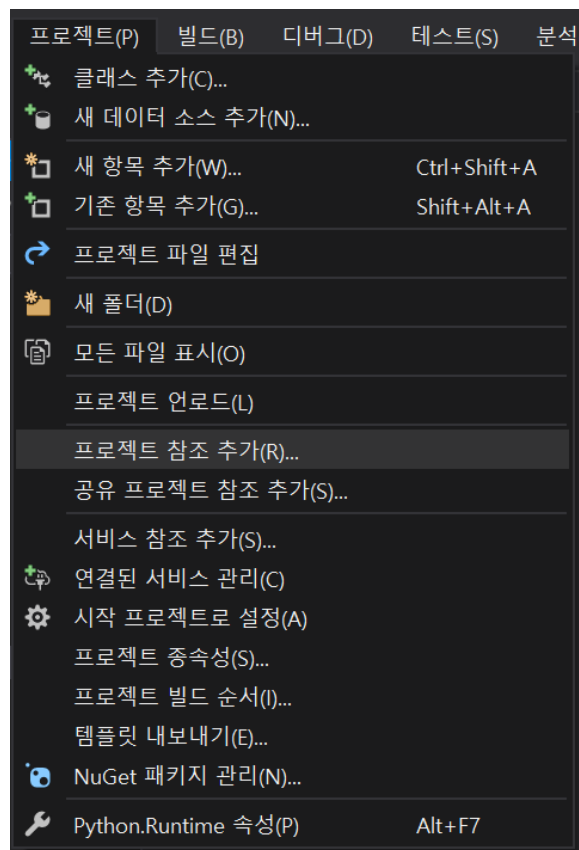
- pythonnet 깃허브 설치, 열기



- Python.Runtime 빌드하기



- 프로젝트 → 프로젝트 참조 추가



- 찾아보기 해서 생성했던 dll파일 경로 넣기

