In [4]:
```
! pip install -U spacy
```

```
Requirement already satisfied: spacy in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (3.2.3)
Requirement already satisfied: thinc>=8.1.0,>=8.0.12 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (8.0.13)
Requirement already satisfied: wasabi>=0.9.1,>=0.8.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (0.9)
Requirement already satisfied: numpy>=1.15.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (1.22.2)
Requirement already satisfied: srsly>=3.0,<4.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (2.4.2)
Requirement already satisfied: catalogue>=2.1.0,<2.0.6 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (2.0.6)
Requirement already satisfied: cymem>=2.0.2,<2.0.6 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (2.0.6)
Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (1.8.2)
Requirement already satisfied: spacy-legacy>3.1.0,<3.0.8 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (3.0.9)
Requirement already satisfied: pathy>=0.3.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (0.6.1)
Requirement already satisfied: setuptools in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (58.1.0)
Requirement already satisfied: spacy-loggers<2.0.0,>=1.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (1.0.1)
Requirement already satisfied: packaging>=20.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (21.3)
Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (3.3.0)
Requirement already satisfied: typer<0.3.0,>=0.3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (0.4.0)
Requirement already satisfied: preshed<3.1.0,>=3.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (3.0.6)
WARNING: You are using pip version 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\Administrator\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
Requirement already satisfied: jinja2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (3.0.3)
Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (1.0.6)
Requirement already satisfied: requests<2.0.0,>=2.13.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (2.27.1)
Requirement already satisfied: blis<0.8.0,>=0.4.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (0.7.6)
Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy) (4.63.0)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from packaging>=20.0->spacy) (3.0.7)
Requirement already satisfied: smart-open<5.0.0,>=5.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pathy>=0.3.5->spacy) (5.2.1)
Requirement already satisfied: typing-extensions>=3.7.4.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4->spacy) (4.1.1)
Requirement already satisfied: idna<4,>=2.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy) (1.26.8)
Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy) (2.0.12)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy) (2021.10.8)
Requirement already satisfied: colorama in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tqdm<5.0.0,>=4.38.0->spacy) (0.4.4)
Requirement already satisfied: click>=8.0,<9.0.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from typer<0.5.0,>=0.3.0->spacy) (8.0.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from jinja2->spacy) (2.1.0)
```

In [5]:
```
! pip install spacytextblob
```

```
Collecting spacytextblob
  Downloading spacytextblob-4.0.0-py3-none-any.whl (4.5 kB)
Requirement already satisfied: spacy~=4.0.>=3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacytextblob) (3.2.3)
Collecting textblob~=0.15.3,>=0.15.1
  Downloading textblob-0.15.3-py2.py3-none-any.whl (636 kB)
Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (1.8.2)
WARNING: You are using pip version 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\Administrator\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
Requirement already satisfied: blis<0.8.0,>=0.4.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (0.7.6)
Requirement already satisfied: wasabi<1.1.0,>=0.8.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (0.9.0)
Requirement already satisfied: numpy>=1.15.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (1.22.2)
Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (1.0.6)
Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (3.3.0)
Requirement already satisfied: spacy-legacy>3.1.0,<3.0.8 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (3.0.9)
Requirement already satisfied: requests<2.0.0,>=2.13.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (2.27.1)
Requirement already satisfied: cymem<2.1.0,>=2.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (2.0.6)
Requirement already satisfied: thinc>=8.1.0,>=8.0.12 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (8.0.13)
Requirement already satisfied: jinja2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (3.0.3)
Requirement already satisfied: catalogue>=2.1.0,<2.0.6 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (2.0.6)
Requirement already satisfied: packaging>=20.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (21.3)
Requirement already satisfied: typer<0.3.0,>=0.3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (0.4.0)
Requirement already satisfied: pathy>=0.3.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (0.6.1)
Requirement already satisfied: setuptools in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (58.1.0)
Requirement already satisfied: srsly<3.0.0,>=2.4.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (2.4.2)
Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (4.63.0)
Requirement already satisfied: spacy-loggers<2.0.0,>=1.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (1.0.1)
Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy~=4.0.>=3.0->spacytextblob) (1.8.2)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from packaging>=20.0->spacy~=4.0.>=3.0->spacytextblob) (3.0.7)
Requirement already satisfied: smart-open<5.0.0,>=5.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pathy>=0.3.5->spacy~=4.0.>=3.0->spacytextblob) (5.2.1)
Requirement already satisfied: typing-extensions>=3.7.4.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4->spacy~=4.0.>=3.0->spacytextblob) (4.1.1)
Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy~=4.0.>=3.0->spacytextblob) (2.0.12)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy~=4.0.>=3.0->spacytextblob) (2021.10.8)
Requirement already satisfied: idna<4,>=2.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy~=4.0.>=3.0->spacytextblob) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<2.0.0,>=2.13.0->spacy~=4.0.>=3.0->spacytextblob) (1.26.8)
Collecting nltk>=3.1
  Downloading nltk-3.7-py3-none-any.whl (1.5 MB)
Requirement already satisfied: click in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from nltk>=3.1->textblob~=0.15.3->spacytextblob) (8.0.4)
Collecting regex>=2021.8.3
  Downloading regex-2022.3.2-cp39-cp39-win_amd64.whl (274 kB)
Collecting joblib
  Downloading joblib-1.1.0-py2.py3-none-any.whl (306 kB)
Requirement already satisfied: colorama in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tqdm<5.0.0,>=4.38.0->spacy~=4.0.>=3.0->spacytextblob) (0.4.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from jinja2->spacy~=4.0.>=3.0->spacytextblob) (2.1.0)
Installing collected packages: regex, joblib, nltk, textblob, spacytextblob
Successfully installed joblib-1.1.0 nltk-3.7 regex-2022.3.2 spacytextblob-4.0.0 textblob-0.15.3
You should consider upgrading via the 'C:\Users\Administrator\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
```

In [6]:
```
! python -m spacy download en_core_web_sm
```

```
Collecting en-core-web-sm==3.2.0
    Downloading https://github.com/explosion/spacy-models/releases/download/en_core_web_sm-3.2.0/en_core_web_sm-3.2.0-py3-none-any.whl (13.9 MB)
Requirement already satisfied: spacy>=3.2.0,<3.3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from en-core-web-sm==3.2.0) (3.2.3)
Requirement already satisfied: murmurhash<1.1.0,>=0.28.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (1.0.6)
Requirement already satisfied: wasabi<1.1.0,>=0.8.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (0.9.0)
Requirement already satisfied: packaging>=20.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (21.3)
WARNING: You are using pip version 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\Administrator\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
Requirement already satisfied: pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (1.8.2)
Requirement already satisfied: thinc>=8.1.0,>=8.0.12 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (8.0.13)
Requirement already satisfied: numpy>=1.15.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (1.22.2)
Requirement already satisfied: srsly<3.0.0,>=2.4.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.4.2)
Requirement already satisfied: tqdm<5.0.0,>=4.38.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (4.63.0)
Requirement already satisfied: catalogue>=2.1.0,<2.0.6 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.6)
Requirement already satisfied: jinja2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.3)
Requirement already satisfied: typer<0.3.0,>=0.3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (0.4.0)
Requirement already satisfied: blis<0.8.0,>=0.4.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (0.7.6)
Requirement already satisfied: preshed<3.1.0,>=3.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.6)
Requirement already satisfied: pathy>=0.3.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (0.6.1)
Requirement already satisfied: spacy-legacy>3.1.0,<3.0.8 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.9)
Requirement already satisfied: requests<3.0.0,>=2.13.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.27.1)
Requirement already satisfied: jinja2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from packaging>=20.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.3)
Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.3.0)
Requirement already satisfied: cymem<2.1.0,>=2.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.6)
Requirement already satisfied: setuptools in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (58.1.0)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from packaging>=20.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.0.7)
Requirement already satisfied: smart-open<5.0.0,>=5.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pathy>=0.3.5->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (5.2.1)
Requirement already satisfied: typing-extensions>=3.7.4.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pydantic!=1.8,!=1.8.1,<1.9.0,>=1.7.4->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (4.1.1)
Requirement already satisfied: idna<4,>=2.5 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0.0,>=2.13.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (3.3)
Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0.0,>=2.13.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.0.12)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0.0,>=2.13.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (1.26.8)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0.0,>=2.13.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2021.10.8)
Requirement already satisfied: colorama in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tqdm<5.0.0,>=4.38.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (0.4.4)
Requirement already satisfied: click>=8.0,<9.0.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from typer<0.5.0,>=0.3.0->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (8.0.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from jinja2->spacy>=3.2.0,>=3.2.0->en-core-web-sm==3.2.0) (2.1.0)
Installing collected packages: en-core-web-sm
Successfully installed en-core-web-sm-3.2.0
[+] Download and installation successful
You can now load the package via spacy.load('en_core_web_sm')
```

In [7]:
```
! pip install streamlit
```

```
Collecting streamlit
  Downloading streamlit-1.7.0-py2.py3-none-any.whl (9.9 MB)
Requirement already satisfied: python-dateutil in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (2.8.2)
Collecting toml
  Downloading toml-0.10.2-py2.py3-none-any.whl (16 kB)
Collecting pydeck>=0.1.dev5
  Downloading pydeck-0.7.1-py2.py3-none-any.whl (4.3 MB)
Collecting server
  Downloading server-2.13.0-py2.py3-none-any.whl (12 kB)
Collecting astor
  Downloading astor-0.8.1-py2.py3-none-any.whl (27 kB)
Collecting cachetools>=4.0
  Downloading cachetools-5.0.0-py3-none-any.whl (9.3 kB)
Requirement already satisfied: click>=7.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (8.0.4)
Collecting pillow>=6.2.0
  Downloading Pillow-9.0.1-cp39-cp39-win_amd64.whl (3.2 MB)
Collecting tzlocal
  Downloading tzlocal-4.1-py3-none-any.whl (19 kB)
Collecting pandas>=0.21.0
  Downloading pandas-1.4.1-cp39-cp39-win_amd64.whl (10.5 MB)
Requirement already satisfied: tornado>=5.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (6.1)
Collecting validators
  Downloading validators-0.18.2-py3-none-any.whl (19 kB)
Requirement already satisfied: numpy in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (1.22.2)
Requirement already satisfied: attrs in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (21.4.0)
Collecting importlib-metadata>=1.4
  Downloading importlib_metadata-4.11.2-py3-none-any.whl (17 kB)
Collecting base58
  Downloading base58-2.1.1-py3-none-any.whl (5.6 kB)
Collecting gitpython>=3.1.19
  Downloading GitPython-3.1.27-py3-none-any.whl (181 kB)
Collecting watchdog
  Downloading watchdog-2.1.6-py3-none-win_amd64.whl (76 kB)
Collecting protobuf!=3.11,>=3.6.0
  Downloading protobuf-3.19.4-cp39-cp39-win_amd64.whl (895 kB)
Collecting pyarrow
  Downloading pyarrow-7.0.0-cp39-cp39-win_amd64.whl (16.1 MB)
Requirement already satisfied: packaging in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (21.3)
Collecting pympler>=0.9
  Downloading Pympler-1.0.1-py3-none-any.whl (164 kB)
Collecting altair>=3.2.0
  Downloading altair-4.2.0-py3-none-any.whl (812 kB)
Collecting blinker
  Downloading blinker-1.4.tar.gz (111 kB)
Requirement already satisfied: requests<3.0,>=2.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from streamlit) (2.27.1)
Collecting toolz
  Downloading toolz-0.11.2-py3-none-any.whl (55 kB)
Requirement already satisfied: jsonschema>=3.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from altair>=3.2.0->streamlit) (4.4.0)
Requirement already satisfied: entrypoints in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from altair>=3.2.0->streamlit) (0.4)
Requirement already satisfied: jinja2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from altair>=3.2.0->streamlit) (3.0.3)
Requirement already satisfied: colorama in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from click>=7.0->streamlit) (0.4.4)
Collecting gitdb>=4.0.1
  Downloading gitdb-4.0.9-py3-none-any.whl (63 kB)
Collecting smmap>=3.0.1
  Downloading smmap-5.0.0-py3-none-any.whl (24 kB)
Collecting zipp>=5
  Downloading zipp-3.7.0-py3-none-any.whl (5.3 kB)
Requirement already satisfied: typing-extensions; python_version < "3.8", "3.7.4.3"; python_version >= "3.7" and python_version < "3.8" and platform_machine == "aarch64" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "ppc64le" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "x86_64" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "amd64" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "AMD64" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "win32" or python_version >= "3.7" and python_version < "3.8" and platform_machine == "WIN32" in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from jsonschema>=3.0->altair>=3.2.0->streamlit) (0.18.1)
Collecting pytz;python_version == "2.7" or python_version >= "2.6" and python_version != "3.0" and python_version != "3.1" and python_version != "3.2" and python_version != "3.3" and python_version != "3.4" and python_version != "3.5" or python_version == "3.0" or python_version == "3.1" or python_version == "3.2" or python_version == "3.3" or python_version == "3.4" or python_version == "3.5" or platform_machine == "aarch64" or platform_machine == "ppc64le" or platform_machine == "x86_64" or platform_machine == "amd64" or platform_machine == "AMD64" or platform_machine == "win32" or platform_machine == "WIN32" or python_version >= "3.6" and platform_machine == "aarch64" or python_version >= "3.6" and platform_machine == "ppc64le" or python_version >= "3.6" and platform_machine == "x86_64" or python_version >= "3.6" and platform_machine == "amd64" or python_version >= "3.6" and platform_machine == "AMD64" or python_version >= "3.6" and platform_machine == "win32" or python_version >= "3.6" and platform_machine == "WIN32" in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pandas>=0.21.0->streamlit) (2021.3)
Collecting pytz-deprecation-shim~=0.1;python_version == "2.7" or python_version >= "2.6" and python_version != "3.0" and python_version != "3.1" and python_version != "3.2" and python_version != "3.3" and python_version != "3.4" and python_version != "3.5" or python_version == "3.0" or python_version == "3.1" or python_version == "3.2" or python_version == "3.3" or python_version == "3.4" or python_version == "3.5" or platform_machine == "aarch64" or platform_machine == "ppc64le" or platform_machine == "x86_64" or platform_machine == "amd64" or platform_machine == "AMD64" or platform_machine == "win32" or platform_machine == "WIN32" or python_version >= "3.6" and platform_machine == "aarch64" or python_version >= "3.6" and platform_machine == "ppc64le" or python_version >= "3.6" and platform_machine == "x86_64" or python_version >= "3.6" and platform_machine == "amd64" or python_version >= "3.6" and platform_machine == "AMD64" or python_version >= "3.6" and platform_machine == "win32" or python_version >= "3.6" and platform_machine == "WIN32" in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tzlocal>=1.4->streamlit) (0.2.1)
Collecting tzdata;platform_machine == "win32" or platform_machine == "WIN32" or platform_machine == "AMD64" or platform_machine == "amd64" or platform_machine == "x86_64" or platform_machine == "ppc64le" or platform_machine == "aarch64" or platform_machine == "win32" or platform_machine == "WIN32" or platform_machine == "AMD64" or platform_machine == "amd64" or platform_machine == "x86_64" or platform_machine == "ppc64le" or platform_machine == "aarch64" in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from pytz-deprecation-shim~=0.1.0.post0->tzlocal>=1.4->streamlit) (2021.5)
Collecting pytz-deprecation-shim~=0.1.0.post0;platform_machine == "win32" or platform_machine == "WIN32" or platform_machine == "AMD64" or platform_machine == "amd64" or platform_machine == "x86_64" or platform_machine == "ppc64le" or platform_machine == "aarch64" or platform_machine == "win32" or platform_machine == "WIN32" or platform_machine == "AMD64" or platform_machine == "amd64" or platform_machine == "x86_64" or platform_machine == "ppc64le" or platform_machine == "aarch64" in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tzlocal>=1.4->streamlit) (0.1.2)
WARNING: You are using pip version 21.2.4; however, version 22.0.3 is available.
You should consider upgrading via the 'C:\Users\Administrator\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
```

Status clasification

In [8]:
```
! pip install -qq transformers
```

In [9]:
```
! pip install tensorflow
```

```
Requirement already satisfied: tensorflow in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (2.8.0)
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.1.2)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (0.24.0)
Requirement already satisfied: wrapt>=1.11.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.13.3)
Requirement already satisfied: google-pasta>=0.1.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (0.2.0)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.44.0)
Requirement already satisfied: tensorboard~=2.9.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (2.9.0)
Requirement already satisfied: termcolor>=1.1.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.1.0)
Requirement already satisfied: h5py>=2.9.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (3.6.0)
Requirement already satisfied: opt-einsum>=2.3.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (3.3.0)
Requirement already satisfied: six>=1.12.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.16.0)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (4.1.1)
Requirement already satisfied: protobuf>=3.9.2 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (3.19.4)
Requirement already satisfied: gast>=0.2.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (0.5.3)
Requirement already satisfied: keras<2.9,>=2.8.0rc0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (2.8.0)
Requirement already satisfied: numpy>=1.20 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.22.2)
Requirement already satisfied: flatbuffers>=1.12 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (2.0)
Requirement already satisfied: tf-estimator-nightly==2.8.0.dev2021122109 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (2.8.0.dev2021122109)
Requirement already satisfied: absl-py>=0.4.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.0.0)
Requirement already satisfied: libclang>=9.0.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (13.0.0)
Requirement already satisfied: astunparse>=1.6.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (1.6.3)
Requirement already satisfied: setuptools in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorflow) (58.1.0)
Requirement already satisfied: google-auth<2,>=1.6.3 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (1.6.0->tensorflow) (0.37.1)
Requirement already satisfied: werkzeug>=1.0.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (2.0.3)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (2.27.1)
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (0.4.6)
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (2.6.0)
Requirement already satisfied: markdown>=2.6.8 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (3.3.6)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (0.6.1)
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from tensorboard~=2.9.0->tensorflow) (1.8.1)
Requirement already satisfied: cachetools<4.0,>=2.0.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from google-auth~=1.6.3->tensorboard~=2.9.0->tensorflow) (5.0.0)
Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from google-auth~=1.6.3->tensorboard~=2.9.0->tensorflow) (0.2.8)
Requirement already satisfied: rsa<5,>=3.1.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from google-auth~=1.6.3->tensorboard~=2.9.0->tensorflow) (4.8)
Requirement already satisfied: requests-oauthlib>=0.7.0 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from google-auth-oauthlib<0.5,>=0.4.1->tensorboard~=2.9.0->tensorflow) (1.3.1)
Requirement already satisfied: importlib-metadata>=4.4 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from markdown>=2.6.8->tensorboard~=2.9.0->tensorflow) (4.11.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\administrator\appdata\local\programs\python\python39\lib\site-packages (from requests<3,>=2.21.0->tensorboard~=2.9.0->tensorflow) (2021.10.8)
Requirement already satisfied: urllib3<1.27,>=1.
```