

```
import spacy
import pandas as pd

# import en_core_web_sm
import spacy.cli
spacy.cli.download("en_core_web_lg")
```



✓ Download and installation successful

You can now load the package via `spacy.load('en_core_web_lg')`

⚠ Restart to reload dependencies

If you are in a Jupyter or Colab notebook, you may need to restart Python in order to load all the package's dependencies. You can do this by selecting the 'Restart kernel' or 'Restart runtime' option.

✓ Download and installation successful

You can now load the package via `spacy.load('en_core_web_lg')`

⚠ Restart to reload dependencies

If you are in a Jupyter or Colab notebook, you may need to restart Python in order to load all the package's dependencies. You can do this by selecting the 'Restart kernel' or 'Restart runtime' option.

```
nlp = spacy.load('en_core_web_lg')
```

```
data = pd.read_csv('/content/clean_train.csv')
data = data.head(10)
```

```
# Define a function for NER
def perform_ner(text):
    doc = nlp(text)
    entities = [(ent.text, ent.label_) for ent in doc.ents]
    return entities

# Iterate through the dataset and perform NER for each synopsis
for index, row in data.iterrows():
    synopsis = row['synopsis']
    ner_results = perform_ner(synopsis)

    # Print NER results for the current synopsis
    print(f"text {index + 1}: {synopsis}")
    print(f"Synopsis {index + 1} NER Results:")
    for entity, label in ner_results:
        print(f"Entity: {entity}, Label: {label}")
    print("\n")
```



text 1: A young scriptwriter starts bringing valuable objects back from his short nightmares of being chased by a demon. Selling the Synopsis 1 NER Results:

text 2: A director and her friends renting a haunted house to capture paranormal events in order to prove it and become popular. Synopsis 2 NER Results:

text 3: This is an educational video for families and family therapists that describes the Behavioral Family Therapy approach to de Synopsis 3 NER Results:
Entity: Behavioral Family Therapy, Label: ORG

text 4: Scientists working in the Austrian Alps discover that a glacier is leaking a liquid that appears to be affecting local wild! Synopsis 4 NER Results:
Entity: Austrian, Label: NORP
Entity: Alps, Label: LOC

text 5: Buy Day - Four Men Widely - Apart in Life - By Night Shadows United in One Fight Venting the Fire of their Fury Against the Synopsis 5 NER Results:
Entity: One, Label: CARDINAL

text 6: A video voyeur stalks women in the city with a digital camera until he crosses paths with beautiful model who harbors a darl Synopsis 6 NER Results:

text 7: Twin brothers separated at birth and worlds apart, oblivious to each other existence they cross each other's paths when one Synopsis 7 NER Results:

text 8: A traffic police officer teams up with his friend and doctors in order to escape a deadly zombie apocalypse in the town and Synopsis 8 NER Results:

text 9: A legendary tale unravels. Synopsis 9 NER Results:

text 10: Millions in diamonds are stolen from a safe in NYC and later the burglar is killed. Shamus is paid \$10,000 by the owner to
Synopsis 10 NER Results:
Entity: Millions, Label: CARDINAL
Entity: NYC, Label: GPE
Entity: Shamus, Label: PERSON
Entity: 10,000, Label: MONEY