

## Documentação Missão Prática | Nível 4

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Estácio

### Instalando as bibliotecas e recarregando o ambiente

```
!pip install -U pip setuptools wheel
!pip install -U spacy
!python -m spacy download en_core_web_sm
!pip install spacytextblob
import pkg_resources, imp
imp.reload(pkg_resources)
```

### Importando as bibliotecas para análise de sentimento

```
import spacy
from spacytextblob.spacytextblob import SpacyTextBlob
```

### Definindo o modelo e a pipeline a serem utilizadas na análise

```
nlp = spacy.load('en_core_web_sm')
nlp.add_pipe('spacytextblob')
```

### Definindo o texto inicial a ser analisado

```
user_input = 'This is a wonderful campsite. I loved the serenity and the  
birds chirping in the morning.'  
doc = nlp(user_input)
```

### Exibindo o resultado da primeira análise

```
input_polarity = doc._polarity  
sentiment = {'score': input_polarity}  
print(sentiment)
```

### Definindo a lista de tweets a serem analisadas

```
tweets = [
```

```
"I absolutely love Manchester United! They're the best team ever!  
#MUFC",  
"I can't stand the way Chelsea plays lately, so disappointing. #CFC",  
"Liverpool is on fire this season! Can't wait to see them lift the trophy!  
#LFC",  
"Arsenal's performance was terrible today. They need to step up!  
#AFC"  
]
```

### Analizando os tweets

```
for item in tweets:  
    doc = nlp(item)  
    input_polarity = doc._.polarity  
    sentiment = {'tweet': item, 'score': input_polarity}  
    print(sentiment)
```