Actividad NLP - 2.0 - Aplicación de análisis de sentimientos

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Instalación de transformers

```
!pip install transformers
```

Librerias utilizadas

```
import pandas as pd
from transformers import pipeline
```

Modelos pre-entrenados

Los modelos fueron tomados de los siguientes links y los derechos corresponden a sus respectivos autores:

- https://colab.research.google.com/drive/1G4nvWf6NtytiEyiIkYxs03nno5ZupIJn? usp=sharing#scrollTo=9s-KqAx1s6qo
- https://huggingface.co/cardiffnlp/twitter-roberta-base-sentiment-latest

Primer Modelo

```
{'label': 'POSITIVE', 'score': 0.998056173324585},
{'label': 'NEGATIVE', 'score': 0.9438178539276123},
{'label': 'NEGATIVE', 'score': 0.9994725584983826}]
```

Segundo modelo

```
specific model = pipeline(model="finiteautomata/bertweet-base-
sentiment-analysis")
specific model(data)
{"model id": "ac1975a3b6eb41a180e62d0f50545dd8", "version major": 2, "vers
ion minor":0}
{"model id": "25c0163ce7ea440ba79e713b0cd2fc02", "version major": 2, "vers
ion minor":0}
{"model id": "5a07c1d3a038474bbc8f721eba2a7f13", "version major": 2, "vers
ion minor":0}
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ion minor":0}
{"model id":"11e82b198e8d40499cfbe9bdff76116f","version major":2,"vers
ion minor":0}
{"model id":"6b5a7336c0644825b0fddbc7297fcd02","version major":2,"vers
ion minor":0}
{"model id": "bfcdcdf7d5fa4ece93ab0550c0d74191", "version major": 2, "vers
ion minor":0}
emoji is not installed, thus not converting emoticons or emojis into
text. Install emoji: pip3 install emoji==0.6.0
[{'label': 'NEG', 'score': 0.9822311997413635},
{'label': 'NEG', 'score': 0.9806600213050842}, 
{'label': 'POS', 'score': 0.6322749257087708}, 
{'label': 'POS', 'score': 0.9914143681526184}, 
{'label': 'POS', 'score': 0.8960542678833008},
 {'label': 'POS', 'score': 0.6863202452659607},
 {'label': 'NEG', 'score': 0.922839343547821}]
```

Tercer modelo

```
specific_model = pipeline(model="cardiffnlp/twitter-roberta-base-
sentiment-latest")
specific_model(data)

{"model_id":"afeaacb07dbc4edlaea414787ffc4694","version_major":2,"vers
ion_minor":0}
```

```
{"model id": "693bbea7ee9942e2a1001270bd545f25", "version major": 2, "vers
ion minor":0}
Some weights of the model checkpoint at cardiffnlp/twitter-roberta-
base-sentiment-latest were not used when initializing
RobertaForSequenceClassification: ['roberta.pooler.dense.weight',
'roberta.pooler.dense.bias']
- This IS expected if you are initializing
RobertaForSequenceClassification from the checkpoint of a model
trained on another task or with another architecture (e.g.
initializing a BertForSequenceClassification model from a
BertForPreTraining model).
- This IS NOT expected if you are initializing
RobertaForSequenceClassification from the checkpoint of a model that
you expect to be exactly identical (initializing a
BertForSequenceClassification model from a
BertForSequenceClassification model).
{"model id": "39dee0fe57294f7ca9243951adf3ac7c", "version major": 2, "vers
ion minor":0}
{"model id":"f9fec7d7e7ea457488b1e3141693314e","version major":2,"vers
ion minor":0}
{"model id": "00ff8fa434a8407bacaf7c741a279127", "version major": 2, "vers
ion minor":0}
[{'label': 'negative', 'score': 0.931638777256012},
{ 'label': 'negative', 'score': 0.931038777250012},
    {'label': 'negative', 'score': 0.7866933345794678},
    {'label': 'neutral', 'score': 0.5362865924835205},
    {'label': 'positive', 'score': 0.9794692993164062},
    {'label': 'positive', 'score': 0.7676277160644531},
    {'label': 'neutral', 'score': 0.4544193148612976},
    {'label': 'negative', 'score': 0.7001491189002991}]
```