Scraping gta 5 reviews from ign and performing sentiment analysis

In [ ]:
```
from bs4 import BeautifulSoup
from urllib.request import urlopen as uReq
import pandas as pd
import requests
```

web scarping

In [ ]:
```
my_url = 'https://www.ign.com/games/grand-theft-auto-v/user-reviews'

# Headers to mimic a real browser
headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKi

response = requests.get(my_url, headers=headers)
page_html = response.text

# html content
page_soup = BeautifulSoup(page_html, "html.parser")
```

creating list of reviews

In [ ]:
```
review_html = page_soup.find_all('div',{'class':'interface jsx-1389921904 smal
reviews=[]
for i in review_html:
    a=i.text.strip()
    reviews.append(a)
```

storing in csv file

In [ ]:
```
df = pd.DataFrame({'Review':reviews})
df
```

translating text

In [ ]:
```
!pip install deep_translator -q
```

In [ ]:
```
from deep_translator import GoogleTranslator
trans = GoogleTranslator(source='auto', target='english')
```

In [ ]:
```
t_rev=[]
for rev in df['Review']:
    rev=trans.translate(rev)
    t_rev.append(rev)
df['Review']=t_rev
```

sentiment analysis

vader

a rule-based sentiment analysis tool that is specifically designed for analyzing social media texts. Vader is a pre-trained sentiment analysis model that provides a sentiment score for a given text.

In [ ]:
```
!pip install nltk -q
```

In [ ]:
```
import nltk
nltk.download('vader_lexicon')
```

In [ ]:
```
from nltk.sentiment.vader import SentimentIntensityAnalyzer
analyzer = SentimentIntensityAnalyzer()
```

putting score next to reviews

In [ ]:
```
score=[]
for text in df['Review']:
    scores = analyzer.polarity_scores(text)
    comp_score=scores['compound']
    score.append(comp_score)
df['Score']=score
```

In [ ]:
```
df.to_csv('Reviews.csv', index=False, encoding='utf-8')
df
```

In [ ]:
```
import seaborn as sns
sns.histplot(df['Score'],kde=True)
```

In [ ]:

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