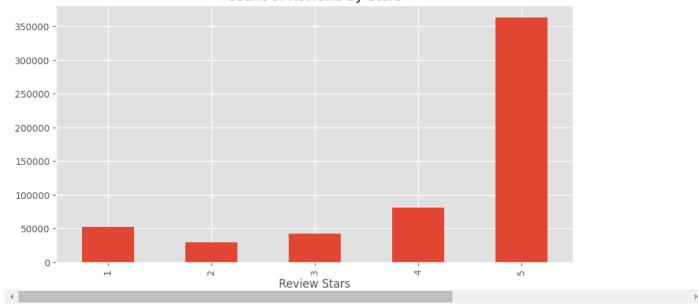
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
plt.style.use('ggplot')
import nltk
nltk.download('punkt_tab')
nltk.download('averaged_perceptron_tagger_eng')
nltk.download('maxent_ne_chunker_tab')
nltk.download('words')
nltk.download('wordnet')
nltk.download('stopwords')
nltk.download('vader_lexicon')
    [nltk_data] Downloading package punkt_tab to /root/nltk_data...
     [nltk_data]
                   Unzipping tokenizers/punkt_tab.zip.
     [nltk_data] Downloading package averaged_perceptron_tagger_eng to
     [nltk_data]
                     /root/nltk_data...
     [nltk_data]
                   Unzipping taggers/averaged_perceptron_tagger_eng.zip.
     [nltk_data] Downloading package maxent_ne_chunker_tab to
     [nltk_data]
                     /root/nltk_data...
     [nltk_data]
                   Unzipping chunkers/maxent_ne_chunker_tab.zip.
     [nltk_data] Downloading package words to /root/nltk_data...
     [nltk_data]
                   Unzipping corpora/words.zip.
     [nltk_data] Downloading package wordnet to /root/nltk_data...
     [nltk_data] Downloading package stopwords to /root/nltk_data...
     [nltk_data]
                   {\tt Unzipping\ corpora/stopwords.zip.}
     [nltk_data] Downloading package vader_lexicon to /root/nltk_data...
     True
dfs = pd.read_csv('/content/Reviews.csv')
dfs.head()
<del>_</del>
         Td
                                       UserId ProfileName HelpfulnessNumerator HelpfulnessDenominator Score
               ProductId
                                                                                                                        Time
                                                                                                                                Summarv
                                                                                                                                              Tex
                                                                                                                                            I hav
                                                                                                                                            bough
                                                                                                                                  Good
                                                                                                                                          several c
             B001E4KFG0 A3SGXH7AUHU8GW
                                                                                                               5 1303862400
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                                                 delmartian
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                                                                                                                                               th
                                                                                                                               Dog Food
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         2 B00813GRG4
                            A1D87F6ZCVE5NK
                                                     dll pa
                                                                                0
                                                                                                               1 1346976000
                                                                                                        0
                                                                                                                              Advertised
                                                                                                                                            Jumb
                                                                                                                                            Salte
dfs['Text'].values[1]
     'Product arrived labeled as Jumbo Salted Peanuts...the peanuts were actually small sized unsalted. Not sure if this was an error or if
dfs.shape
→ (568454, 10)
ax=dfs['Score'].value_counts().sort_index().plot(kind='bar', title='Count of Reviews by Stars', figsize=(10,5))
ax.set_xlabel('Review Stars')
plt.show()
```

Count of Reviews by Stars



```
ex =dfs['Text'].values[50]
print(ex)
 This oatmeal is not good. Its mushy, soft, I don't like it. Quaker Oats is the way to go.
tokens=nltk.word_tokenize(ex)
tokens[:10]
 This', 'oatmeal', 'is', 'not', 'good', '.', 'Its', 'mushy', ',', 'soft']
tagged = nltk.pos_tag(tokens)
tagged[:10]
 → [('This', 'DT'),
       [('This', 'DT'),
  ('oatmeal', 'NN'),
  ('is', 'VBZ'),
  ('not', 'RB'),
  ('good', 'JJ'),
  ('.', '.'),
  ('Its', 'PRP$'),
  ('mushy', 'NN'),
  (',', ','),
  ('soft', 'JJ')]
entities=nltk.chunk.ne_chunk(tagged)
entities.pprint()
 <del>_____</del> (S
         This/DT
         oatmeal/NN
         is/VBZ
         not/RB
         good/JJ
         ./.
         Its/PRP$
         mushy/NN
         ,/,
soft/JJ
         ,/,
I/PRP
         do/VBP
         n't/RB
         like/VB
         it/PRP
```

(ORGANIZATION Quaker/NNP Oats/NNPS)

is/VBZ the/DT way/NN to/TO go/VB ./.)

```
from nltk.sentiment import SentimentIntensityAnalyzer
from tqdm.notebook import tqdm
sia = SentimentIntensityAnalyzer()
sia.polarity_scores('I am so not sad')
→ {'neg': 0.0, 'neu': 0.514, 'pos': 0.486, 'compound': 0.4277}
sia.polarity_scores('I am so happy')
→ {'neg': 0.0, 'neu': 0.334, 'pos': 0.666, 'compound': 0.6115}
sia.polarity_scores(ex)
→ {'neg': 0.22, 'neu': 0.78, 'pos': 0.0, 'compound': -0.5448}
from tqdm import tqdm
# Ensure 'Text' column has valid strings
dfs['Text'] = dfs['Text'].fillna('').astype(str)
# Initialize results dictionary
results = {}
# Iterate through DataFrame rows with progress bar
for i, row in tqdm(dfs.iterrows(), total=len(dfs)):
   try:
        text = row['Text']
       myid = row['Id']
       # Compute VADER sentiment scores
       results[myid] = sia.polarity_scores(text)
    except Exception as e:
       print(f"Error processing row with Id {row['Id']}: {e}")
100%| 568454/568454 [12:11<00:00, 777.29it/s]
results
₹
```

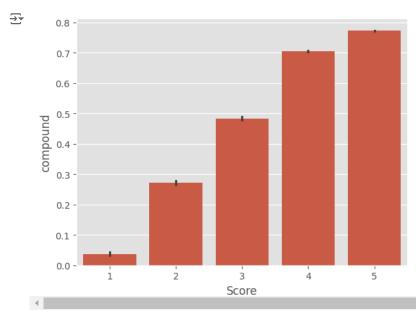
```
ש.ש. ן neg : ש.ש, neu : איס: , pos : אכב.ש, compouna : ציסצס.ש,
      977: {'neg': 0.056, 'neu': 0.876, 'pos': 0.069, 'compound': -0.0676},
      978: {'neg': 0.036, 'neu': 0.836, 'pos': 0.129, 'compound': 0.9554},
      979: {'neg': 0.089, 'neu': 0.791, 'pos': 0.12, 'compound': 0.5264},
      980: {'neg': 0.0, 'neu': 0.661, 'pos': 0.339, 'compound': 0.9233}, 981: {'neg': 0.0, 'neu': 0.484, 'pos': 0.516, 'compound': 0.9595},
      982: {'neg': 0.0, 'neu': 0.767, 'pos': 0.233, 'compound': 0.9552},
      983: {'neg': 0.0, 'neu': 0.883, 'pos': 0.117,
                                                       'compound': 0.6249},
      984: {'neg': 0.0, 'neu': 0.781, 'pos': 0.219,
                                                      'compound': 0.9663},
      985: {'neg': 0.0, 'neu': 0.846, 'pos': 0.154, 'compound': 0.7181},
      986: {'neg': 0.022, 'neu': 0.805, 'pos': 0.172, 'compound': 0.9401},
      987: {'neg': 0.059, 'neu': 0.778, 'pos': 0.163, 'compound': 0.5984},
      988: {'neg': 0.0, 'neu': 0.805, 'pos': 0.195, 'compound': 0.902},
      989: {'neg': 0.0, 'neu': 0.785, 'pos': 0.215, 'compound': 0.9586},
      990: {'neg': 0.0, 'neu': 0.674, 'pos': 0.326, 'compound': 0.9631},
      991: {'neg': 0.032, 'neu': 0.667, 'pos': 0.301, 'compound': 0.973},
      992: {'neg': 0.0, 'neu': 0.633, 'pos': 0.367, 'compound': 0.9749},
      993: {'neg': 0.0, 'neu': 0.662, 'pos': 0.338, 'compound': 0.9636},
      994: {'neg': 0.0, 'neu': 0.886, 'pos': 0.114, 'compound': 0.8858}, 995: {'neg': 0.0, 'neu': 0.828, 'pos': 0.172, 'compound': 0.7552},
      996: {'neg': 0.026, 'neu': 0.721, 'pos': 0.253, 'compound': 0.9788},
      997: {'neg': 0.0, 'neu': 0.786, 'pos': 0.214, 'compound': 0.9309}, 998: {'neg': 0.0, 'neu': 0.673, 'pos': 0.327, 'compound': 0.9634},
      999: {'neg': 0.063, 'neu': 0.874, 'pos': 0.062, 'compound': -0.0129},
      1000: {'neg': 0.027, 'neu': 0.939, 'pos': 0.034, 'compound': -0.1027},
f = pd.DataFrame(results)
print(f)
₹
                                                 5
     neg
               0.0000
                      0.1380
                               0.0910
                                            0.0
                                                 0.0000
                                                           0.029
                                                                 0.0340
                                                                          0.0000
                               0.7540
                                            1.0
                                                 0.5520
                                                           0.809
                                                                 0.6930 0.5200
     neu
               0.6950 0.8620
               0.3050 0.0000
                                0.1550
                                            0.0 0.4480
                                                           0.163
                                                                  0.2730
                                                                          0.4800
     pos
     compound
              0.9441 -0.5664 0.8265
                                            0.0 0.9468
                                                           0.883 0.9346
                                                                          0.9487
                        10
                                     568445 568446 568447 568448 568449
                                                                                568450 \
                                . . .
               0.0000
                        0.0000
                                     0.0000
                                              0.0560
                                                      0.0740
                                                                0.031
                                                                       0.1480
                                                                                0.0720
     neg
                                . . .
               0.8510
                        0.7050
                                     0.8570
                                             0.8290
                                                      0.8220
                                                                0.845
                                                                       0.7480
                                                                                0.6000
                                . . .
     pos
               0.1490
                        0.2950
                                     0.1430
                                              0.1150
                                                      0.1040
                                                                0.124
                                                                      0.1030
                                                                                0.3270
                                . . .
                                     0.6892 0.5251 0.1655
              0.6369
                                                                0.902 -0.0675 0.8589
     compound
                        0.8313
                                568453
                                         568454
               568451
                        568452
                        0.0370
                                0.0410
                                         0.0000
     neg
               0.1900
               0.6970 0.8840 0.5060 0.8460
     neu
               0.1140
                        0.0780
                                0.4520
                                        0.1540
     compound -0.4848 0.4352 0.9717 0.4754
     [4 rows x 568454 columns]
# Create the df DataFrame with sentiment scores as columns
vaders = pd.DataFrame(results).T # Transpose to have sentiment scores as columns
vaders = vaders.reset_index().rename(columns={'index': 'Id'}) # Rename index column to 'Id'
# Ensure both 'Id' columns are the same data type
dfs['Id'] = dfs['Id'].astype(str)
vaders['Id'] = vaders['Id'].astype(str)
# Now, merge the two DataFrames on the 'Id' column
vaders = vaders.merge(dfs, how='left', on='Id') # Use 'on' to specify the column to merge on
# Verify the result
print(vaders.head())
             neg
                            pos
₹
       Ιd
                    neu
                                 compound
                                            ProductId
                                                                 UserId \
       1
           0.000
                  0.695
                          0.305
                                   0.9441
                                            B001E4KFG0 A3SGXH7AUHU8GW
           0.138
                  0.862
                          0.000
                                   -0.5664
                                            B00813GRG4 A1D87F6ZCVE5NK
     2
                  0.754
                          0.155
                                   0.8265
                                            B000L00CH0
                                                         ABXLMWJIXXAIN
       3
           0.091
     3
        4
           0.000
                  1,000
                          9 999
                                    0.0000
                                            B000UA00IO A395BORC6FGVXV
        5
           0.000 0.552
                          0.448
                                   0.9468
                                            B006K2ZZ7K A1UQRSCLF8GW1T
                             ProfileName HelpfulnessNumerator
     0
                              delmartian
                                                               1
                                   dll na
                                                               0
     2
        Natalia Corres "Natalia Corres
                                                               1
                                    Karl
                                                               3
     4
          Michael D. Bigham "M. Wassir'
                                                               0
        HelpfulnessDenominator Score
                                               Time
                                                                    Summary \
                                     5 1303862400 Good Quality Dog Food
```

```
Not as Advertised "Delight" says it all
                            0
                                       1346976000
                                    1
2
                                       1219017600
                           1
                                    4
3
                            3
                                       1307923200
                                                             Cough Medicine
                            0
                                       1350777600
4
                                                                 Great taffy
```

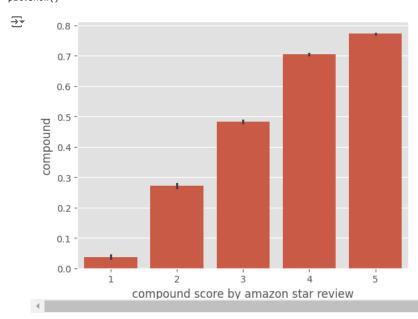
Tex

- 0 $\,$ I have bought several of the Vitality canned d...
- 1 Product arrived labeled as Jumbo Salted Peanut...
- 2 This is a confection that has been around a fe...
- 3 If you are looking for the secret ingredient i...
- 4 Great taffy at a great price. There was a wid...

sns.barplot (data=vaders,x='Score',y='compound')
ax.set_xlabel('Review Stars')
plt.show()



ax=sns.barplot (data=vaders,x='Score',y='compound')
ax.set_xlabel('compound score by amazon star review')
plt.show()

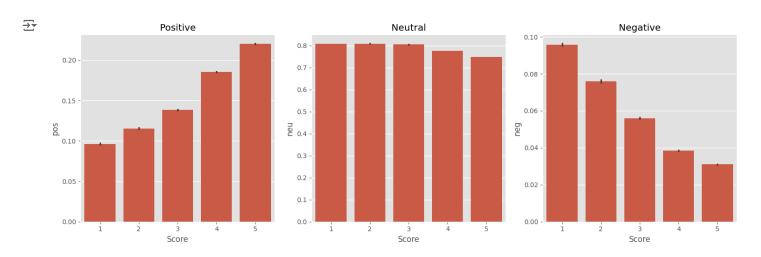


Suggested code may be subject to a license |

```
# Ensure columns exist and have no missing values
required_columns = ['Score', 'pos', 'neu', 'neg']
vaders = vaders.dropna(subset=required_columns)
# Initialize subplots
```

fig, axs = plt.subplots(1, 3, figsize=(15, 5))

```
# Plot the data
sns.barplot(data=vaders, x='Score', y='pos', ax=axs[0])
sns.barplot(data=vaders, x='Score', y='neu', ax=axs[1])
sns.barplot(data=vaders, x='Score', y='neg', ax=axs[2])
# Add titles
axs[0].set_title('Positive')
axs[1].set_title('Neutral')
axs[2].set_title('Negative')
# Adjust layout and show plot
plt.tight_layout()
plt.show()
```



Suggested code may be subject to a license | vthz/Natural_Language_Processing | maenbos3/Sentiment-Analysis-on-Harry-Potter-Hogwart-Legacy-Review from transformers import AutoTokenizer from transformers import AutoModelForSequenceClassification from scipy.special import softmax

Suggested code may be subject to a license | vthz/Natural_Language_Processing | maenbos3/Sentiment-Analysis-on-Harry-Potter-Hogwart-Legacy-Review MODEL=f'cardiffnlp/twitter-roberta-base-sentiment' tokenizer=AutoTokenizer.from_pretrained(MODEL) model=AutoModelForSequenceClassification.from_pretrained(MODEL)

/usr/local/lib/python3.10/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning: The secret `HF_TOKEN` does not exist in your Colab secrets.

To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggingface.co/settings/tokens), set it as secre You will be able to reuse this secret in all of your notebooks.

150/150 [00:00<00:00, 7.34kB/s]

Please note that authentication is recommended but still optional to access public models or datasets.

warnings.warn(

special_tokens_map.json: 100%

config.json: 100% 747/747 [00:00<00:00, 18.4kB/s] vocab.json: 100% 899k/899k [00:00<00:00, 13.1MB/s]

merges.txt: 100% 456k/456k [00:00<00:00, 17.1MB/s]

pytorch_model.bin: 100% 499M/499M [00:02<00:00, 208MB/s]

print(ex)
sia.polarity_scores(ex)

```
This oatmeal is not good. Its mushy, soft, I don't like it. Quaker Oats is the way to go. {'neg': 0.22, 'neu': 0.78, 'pos': 0.0, 'compound': -0.5448}
```

Suggested code may be subject to a license | AyambaSumaila/NLP-Sentiment-Analysis-Project encoded_text=tokenizer(ex,return_tensors='pt') output = model(**encoded text)

```
scores=output[0][0].detach().numpy()
scores=softmax(scores)
scores_dict={
    'roberta_neg':scores[0],
    'roberta_neu':scores[1],
    'roberta_pos':scores[2]
}
print(scores_dict)
→ {'roberta neg': 0.97635514, 'roberta neu': 0.020687465, 'roberta pos': 0.0029573706}
Suggested code may be subject to a license | AnnNaserNabil/DS_ML_in_Bangla
def polarity_scores_roberta(example):
    encoded_text=tokenizer(example,return_tensors='pt')
    output = model(**encoded_text)
from tqdm import tqdm
# Initialize an empty dictionary to store the results
results = {}
# Iterate through the DataFrame rows
for i, row in tqdm(dfs.iterrows(), total=len(dfs)):
    try:
        # Extract text and ID
        text = row['Text']
       myid = row['Id']
        # Compute VADER sentiment scores
        vader_result = sia.polarity_scores(text)
        vader_result_rename = {f"vader_{key}": value for key, value in vader_result.items()}
        # Compute RoBERTa sentiment scores
        roberta_result = polarity_scores_roberta(text)
        # Validate RoBERTa result
        if not isinstance(roberta_result, dict):
            roberta_result = {} # Fallback to empty dictionary
        # Combine VADER and RoBERTa results into a single dictionary
        combined_result = {**vader_result_rename, **roberta_result}
        # Store the combined result in the results dictionary
        results[myid] = combined_result
    # Handle runtime errors
    except RuntimeError as e:
        print(f"Error processing row with Id {myid}: {e}")
```



```
0%
                 188/568454 [01:07<43:15:35, 3.65it/s]Error processing row with Id 187: The expanded size of the tensor (546) must m 📤
                                              2.18it/s]Error processing row with Id 529: The expanded size of the tensor (639) must m
  0%|
                 528/568454 [03:15<72:15:00.
  9%1
                 539/568454 [03:18<38:37:41,
                                              4.08it/s]Error processing row with Id 540: The expanded size of the tensor (1386) must
  0%|
                 745/568454 [04:42<128:10:04, 1.23it/s]Error processing row with Id 746: The expanded size of the tensor (705) must
  0%|
                 862/568454 [05:25<84:27:52, 1.87it/s]Error processing row with Id 863: The expanded size of the tensor (605) must m
  0%
                 1052/568454 [06:37<45:53:06,
                                              3.43it/s]Error processing row with Id 1053: The expanded size of the tensor (789) must
  0%
                 1071/568454 [06:45<45:55:43,
                                               3.43it/s]Error processing row with Id 1070: The expanded size of the tensor (585) must
  0%
                 1157/568454 [07:17<29:33:42,
                                               5.33it/s]Error processing row with Id 1156: The expanded size of the tensor (597) must
                 1320/568454 [08:14<78:57:16, 2.00it/s]Error processing row with Id 1321: The expanded size of the tensor (1246) mus
  0%1
  0%
                 1374/568454 [08:32<119:50:09, 1.31it/s] Error processing row with Id 1375: The expanded size of the tensor (569) mus
  0%
                 1497/568454 [09:20<38:04:50, 4.14it/s] Error processing row with Id 1498: The expanded size of the tensor (1195) mus
  0%
                 1574/568454 [09:51<108:36:22, 1.45it/s] Error processing row with Id 1575: The expanded size of the tensor (555) mus
  9%1
                 1797/568454 [11:10<22:21:56, 7.04it/s] Error processing row with Id 1796: The expanded size of the tensor (527) must
  0%
                 1827/568454 [11:22<42:05:00,
                                               3.74it/s]Error processing row with Id 1826: The expanded size of the tensor (976) must
                 2168/568454 [13:43<49:44:25, 3.16it/s]Error processing row with Id 2169: The expanded size of the tensor (585) must
  0%
  0%
                 2247/568454 [14:13<42:05:06, 3.74it/s]Error processing row with Id 2248: The expanded size of the tensor (1043) mus
  9%
                 2475/568454 [15:41<70:08:48,
                                               2.24it/s]Error processing row with Id 2476: The expanded size of the tensor (550) must
  0%|
                 2493/568454 [15:49<35:00:58, 4.49it/s]Error processing row with Id 2492: The expanded size of the tensor (803) must
  0%|
                 2583/568454 [16:25<62:33:15, 2.51it/s] Error processing row with Id 2584: The expanded size of the tensor (879) must
  0%
                 2609/568454 [16:33<68:53:34, 2.28it/s]Error processing row with Id 2610: The expanded size of the tensor (779) must
  1%|
                 2896/568454 [18:23<59:34:49, 2.64it/s]Error processing row with Id 2897: The expanded size of the tensor (603) must
Error
     processing
                 row with Id 2898: The expanded size of the tensor (740) must match the existing size (514) at non-singleton dimensio
                 2901/568454 [18:24<39:59:59, 3.93it/s]Error processing row with Id 2902: The expanded size of the tensor (538) must
 1%|
  1%
                 2929/568454 [18:34<46:53:46, 3.35it/s]Error processing row with Id 2928: The expanded size of the tensor (791) must
  1%
                 2941/568454 [18:38<94:18:47, 1.67it/s] Error processing row with Id 2942: The expanded size of the tensor (1073) mus
  1%|
                 2943/568454 [18:39<59:14:02, 2.65it/s] Error processing row with Id 2944: The expanded size of the tensor (524) must
                 2946/568454 [18:40<63:00:50, 2.49it/s] Error processing row with Id 2947: The expanded size of the tensor (524) must
  1%
     processing
                 row with Id 2948: The expanded size of the tensor (1073) must match the existing size (514) at non-singleton dimensi
Error
                 3021/568454 [19:08<51:45:05, 3.03it/s] Error processing row with Id 3022: The expanded size of the tensor (945) must
     processing row with Id 3023: The expanded size of the tensor (940) must match the existing size (514) at non-singleton dimensio
Error
 1%1
                 3024/568454 [19:09<40:40:33, 3.86it/s] Error processing row with Id 3025: The expanded size of the tensor (826) must
                 3305/568454 [20:52<50:28:41, 3.11it/s] Error processing row with Id 3306: The expanded size of the tensor (860) must
  1%|
                 3787/568454 [23:44<60:46:21, 2.58it/s] Error processing row with Id 3788: The expanded size of the tensor (587) must
                 3968/568454 [24:43<37:17:53, 4.20it/s]Error processing row with Id 3969: The expanded size of the tensor (551) must
  1%
  1%|
                 4108/568454 [25:41<39:28:36, 3.97it/s]Error processing row with Id 4107: The expanded size of the tensor (585) must
  1%|
                 4109/568454 [25:42<45:42:56, 3.43it/s] Error processing row with Id 4110: The expanded size of the tensor (593) must
                 4306/568454 [26:58<61:01:12, 2.57it/s]Error processing row with Id 4307: The expanded size of the tensor (886) must
  1%|
  1%
                 4315/568454 [27:03<121:20:20, 1.29it/s] Error processing row with Id 4316: The expanded size of the tensor (928) mus
  1%
                 4407/568454 [27:36<87:38:01, 1.79it/s] Error processing row with Id 4408: The expanded size of the tensor (793) must
  1%
                 4484/568454 [28:00<26:39:12, 5.88it/s]Error processing row with Id 4483: The expanded size of the tensor (635) must
  1%
                 4511/568454 [28:13<48:13:02, 3.25it/s] Error processing row with Id 4512: The expanded size of the tensor (540) must
  1%|
                 4552/568454 [28:32<58:46:39, 2.66it/s]Error processing row with Id 4553: The expanded size of the tensor (543) must
  1%
                 4582/568454 [28:52<156:10:45, 1.00it/s] Error processing row with Id 4583: The expanded size of the tensor (826) mus
  1%|
                 5039/568454 [31:57<73:46:20, 2.12it/s] Error processing row with Id 5040: The expanded size of the tensor (572) must
  1%
                 5181/568454 [32:50<41:47:23, 3.74it/s] Error processing row with Id 5182: The expanded size of the tensor (521) must
  1%|
                 5193/568454 [32:57<79:54:08, 1.96it/s] Error processing row with Id 5192: The expanded size of the tensor (521) mus
                 5364/568454 [33:59<67:05:18,
  1%|
                                               2.33it/s]Error processing row with Id 5365: The expanded size of the tensor (658) must
  1%
                 5441/568454 [34:35<61:04:09, 2.56it/s]Error processing row with Id 5442: The expanded size of the tensor (682) must
  1%|
                 5708/568454 [36:18<44:46:56, 3.49it/s]Error processing row with Id 5709: The expanded size of the tensor (754) must
  1%|
                 5997/568454 [38:11<38:49:48, 4.02it/s]Error processing row with Id 5998: The expanded size of the tensor (1077) mus
  1%
                 6002/568454 [38:13<86:13:36, 1.81it/s]Error processing row with Id 6003: The expanded size of the tensor (603) must
  1%|
                 6006/568454 [38:16<119:46:40, 1.30it/s]Error processing row with Id 6007: The expanded size of the tensor (556) mus
  1%
                 6107/568454 [38:54<38:17:04, 4.08it/s]Error processing row with Id 6106: The expanded size of the tensor (706) must
  1%
                 6233/568454 [39:43<91:03:39, 1.72it/s] Error processing row with Id 6234: The expanded size of the tensor (564) mus
                 6557/568454 [41:54<72:24:29, 2.16it/s] Error processing row with Id 6558: The expanded size of the tensor (531) must
  1%
  1%|
                 6650/568454 [42:33<116:34:59, 1.34it/s] Error processing row with Id 6651: The expanded size of the tensor (924) mus
                 6799/568454 [43:57<59:35:08, 2.62it/s] Error processing row with Id 6798: The expanded size of the tensor (629) must
  1%
  1%|
                 6837/568454 [44:19<95:18:49, 1.64it/s]Error processing row with Id 6838: The expanded size of the tensor (523) must
  1%
                 6849/568454 [44:28<112:22:36, 1.39it/s] Error processing row with Id 6850: The expanded size of the tensor (1149) mu
  1%|
                 6885/568454 [44:47<54:23:13, 2.87it/s]Error processing row with Id 6886: The expanded size of the tensor (631) must
                 6904/568454 [44:57<122:43:41, 1.27it/s]Error processing row with Id 6905: The expanded size of the tensor (544) mus 6954/568454 [45:21<77:13:33, 2.02it/s]Error processing row with Id 6955: The expanded size of the tensor (617) must
  1%|
  1%
  1%|
                 7076/568454 [46:08<89:25:32, 1.74it/s]Error processing row with Id 7077: The expanded size of the tensor (717) must
  1%|
                 7087/568454 [46:13<54:59:27, 2.84it/s]Error processing row with Id 7088: The expanded size of the tensor (603) must
                 7200/568454 [46:56<66:46:30, 2.33it/s]Error processing row with Id 7201: The expanded size of the tensor (705) mus
  1%||
                  7605/568454 [49:22<39:47:55,
  1%||
                                                3.91it/s]Error processing row with Id 7604: The expanded size of the tensor (531) mus
  1%||
                  7607/568454 [49:22<45:37:38,
                                                3.41it/s]Error processing row with Id 7608: The expanded size of the tensor
  1%||
                  7670/568454 [49:45<82:13:51, 1.89it/s]Error processing row with Id 7671: The expanded size of the tensor (617) mus
  1%||
                  7700/568454 [50:02<83:20:05, 1.87it/s]Error processing row with Id 7701: The expanded size of the tensor (628) mus
  1%||
                  7809/568454 [50:42<62:45:20,
                                                2.48it/s]Error processing row with Id 7810: The expanded size of the tensor (788) mus
  1%||
                  7908/568454 [51:18<70:16:50.
                                                2.22it/s] Error processing row with Id 7907: The expanded size of the tensor (672) mu
                  8076/568454 [52:30<55:07:37,
  1%||
                                                2.82it/s]Error processing row with Id 8077: The expanded size of the tensor (1259) mu
  1%||
                  8130/568454 [52:48<73:02:32,
                                                2.13it/s]Error processing row with Id 8131: The expanded size of the tensor (584) mus
  1%||
                  8265/568454 [53:40<64:48:44, 2.40it/s]Error processing row with Id 8266: The expanded size of the tensor (524) mus
                  8739/568454 [56:25<65:13:19,
                                                2.38it/s]Error processing row with Id 8740: The expanded size of the tensor (600) mus
  2%||
  2%||
                  8756/568454 [56:32<46:53:17, 3.32it/s]Error processing row with Id 8757: The expanded size of the tensor (2017) mu
  2%||
                  8934/568454 [57:41<33:03:14, 4.70it/s]Error processing row with Id 8935: The expanded size of the tensor (587) mus
  2%||
                  9589/568454 [1:01:30<90:56:37, 1.71it/s]Error processing row with Id 9590: The expanded size of the tensor (530) m
  2%||
                  9849/568454 [1:03:21<88:56:53, 1.74it/s] Error processing row with Id 9850: The expanded size of the tensor (2149)
  2%||
                  9880/568454 [1:03:31<61:58:04, 2.50it/s]Error processing row with Id 9881: The expanded size of the tensor (612) m
  2%||
                  9909/568454 [1:03:44<156:47:57, 1.01s/it]Error processing row with Id 9910: The expanded size of the tensor (636)
  2%||
                  9922/568454 [1:03:51<74:41:18, 2.08it/s] Error processing row with Id 9923: The expanded size of the tensor (572) m
  2%||
                  10001/568454 [1:04:23<72:30:35, 2.14it/s]Error processing row with Id 10002: The expanded size of the tensor (790)
```