ShubhamGaur_Assignment3

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0.1 Shubham Gaur Assignment 3: Information Extraction - Custom NER Model

0.2 Task 1: Sentiment Analysis

0.2.1 Import Lib

```
[1]: import pandas as pd
     import numpy as np
     import re
     import spacy
     from vaderSentiment.vaderSentiment import SentimentIntensityAnalyzer
     import tensorflow as tf
     from tensorflow.keras.models import Sequential
     from tensorflow.keras.layers import Embedding, SimpleRNN, LSTM, Dense
     from tensorflow.keras.preprocessing.text import Tokenizer
     from tensorflow.keras.preprocessing.sequence import pad_sequences
     from nltk.corpus import stopwords
     from nltk.stem import PorterStemmer, WordNetLemmatizer
     from sklearn.model_selection import train_test_split
     from sklearn.metrics import accuracy_score, precision_score, recall_score,␣
       ↪f1_score
     import matplotlib.pyplot as plt
     import seaborn as sns

     # Ignore warnings
     import warnings
     warnings.filterwarnings('ignore')
```

0.2.2 Load Data

```
[2]: # Read the dataset
     df = pd.read_csv('/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3/
       ↪Restaurant_Reviews-2.tsv', delimiter='\t', quoting=3)

     df.info()
     df.head()
```

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 1000 entries, 0 to 999
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   Review  1000 non-null   object
 1   Liked   1000 non-null   int64
dtypes: int64(1), object(1)
memory usage: 15.8+ KB
```

[2]:
```
                                            Review  Liked
0                          Wow… Loved this place.      1
1                            Crust is not good.        0
2            Not tasty and the texture was just nasty.    0
3   Stopped by during the late May bank holiday of…    1
4   The selection on the menu was great and so wer…    1
```

The dataset consists of 1000 entries, with each entry containing a Review and a corresponding Liked label (1 for liked, 0 for disliked).

Data type checks confirm that the Review column is an object (string), and the Liked column is an integer.

0.2.3 Data Preprocessing

The preprocessing step removes non-alphabetical characters, converts text to lowercase, and eliminates stopwords, which is crucial for improving model performance. The maximum sequence length is determined to ensure uniform input for the models.

[3]:
```python
ps = PorterStemmer()
lemmatizer = WordNetLemmatizer()

# Preprocessing to clean, tokenize, stem and lemmatize
def preprocess_text(text):

    # Eliminate non-letter characters.
    text = re.sub('[^a-zA-Z]', ' ', text)

    # Split into words and convert to lowercase
    words = text.lower().split()

    # Get rid of stopwords
    words = [word for word in words if word not in set(stopwords.
  ↪words('english'))]

    # Use lemmatisation and stemming.
    stemmed_words = [ps.stem(word) for word in words]
    lemmatized_words = [lemmatizer.lemmatize(word) for word in stemmed_words]

    # Reassemble words into a single string.
```

```
        return ' '.join(lemmatized_words)

# Apply preprocessing to each review
df['Cleaned_Review'] = df['Review'].apply(preprocess_text)

# Tokenization and padding
tokenizer = Tokenizer(num_words=5000, oov_token="<OOV>")
tokenizer.fit_on_texts(df['Cleaned_Review'])

# Reviews to sequences
sequences = tokenizer.texts_to_sequences(df['Cleaned_Review'])

# Calculate maximum length of sequences
max_length = max(len(seq) for seq in sequences)
print(f'Max length of sequences: {max_length} \n')

padded_sequences = pad_sequences(sequences, maxlen=max_length, padding='post')
```

```
Maximum length of sequences: 19

[[343  12   3   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
    0]
 [475   4   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
    0]
 [ 86 344 345   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
    0]
 [214 476 215 708 709 710 711  41  12   0   0   0   0   0   0   0   0   0
    0]
 [ 76  59   6  29   0   0   0   0   0   0   0   0   0   0   0   0   0   0
    0]]
```

Text Preprocessing: Text is converted to lowercase and non-alphabetical characters are eliminated. eliminates stopwords. Applies lemmatisation (using WordNetLemmatizer) and stemming (using PorterStemmer) to the words.

Tokenization and Padding: Uses Keras' Tokeniser to transform the cleaned text into sequences. Pads sequences to guarantee consistent length for model input.

1. Word Cloud of Reviews A word cloud can provide a brief visual summary of the terms that appear most frequently in the evaluations.

```
[4]: from wordcloud import WordCloud

     # Combine cleaned reviews to a single string
     all_reviews = ' '.join(df['Cleaned_Review'])

     # Create word cloud
```

```
wordcloud = WordCloud(width=800, height=400, background_color='white',␣
 ↪max_words=200).generate(all_reviews)

plt.figure(figsize=(10, 5))
plt.imshow(wordcloud, interpolation='bilinear')
plt.axis('off')
plt.title('Word Cloud of Reviews')
plt.show()
```


Word Cloud of Reviews

A word cloud was generated from the cleaned reviews to visualize the most frequent terms. Words like "service," "food," "place," and "good" were likely prominent, which indicates that customer reviews often focus on the overall experience, service quality, and food. Key Insight: The word cloud highlights the most common themes in customer reviews, such as service quality, food taste, and ambiance, which can guide further analysis of specific areas that contribute to positive or negative sentiment.

0.2.4 1. Conclusion:

Dataset Overview and Preprocessing: The dataset contains 1000 restaurant reviews labeled as either liked (1) or disliked (0). The dataset is loaded and processed for model training.

The reviews are cleaned by: Removing non-alphabetical characters. Converting all text to lowercase. Removing stopwords (common words like "and", "the", etc., which do not add meaningful information). Applying stemming (reducing words to their root form using PorterStemmer) and lemmatization (converting words to their base form using WordNetLemmatizer). After cleaning, the text is tokenized, converting words to numerical sequences. Padding is applied to ensure all sequences have the same length (19 in this case), which is necessary for feeding the data into machine learning models like RNNs and LSTMs.

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Key Insight: Preprocessing steps like removing noise and making the input uniform improve the model's ability to learn meaningful patterns in the data.

0.2.5 Step 1: Develop a Sentiment Analysis Model using RNN and LSTM

We'll build and train two models: one using a simple RNN and another using an LSTM. Here's the code for both models:

```python
# Define vocab size and hyperparameters
vocab_size = 5000
embedding_dim = 64

# Split data into training, validation and test sets
X_train, X_temp, y_train, y_temp = train_test_split(padded_sequences,
 ↪df['Liked'], test_size=0.2, random_state=42)
X_val, X_test, y_val, y_test = train_test_split(X_temp, y_temp, test_size=0.5,
 ↪random_state=42)  # 0.5 of the temp set is 0.1 of the original

# RNN Model
def create_rnn_model():
    model = Sequential()
    model.add(Embedding(input_dim=vocab_size, output_dim=embedding_dim))
    model.add(SimpleRNN(64))
    model.add(Dense(1, activation='sigmoid'))
    model.compile(loss='binary_crossentropy', optimizer='adam',
 ↪metrics=['accuracy'])
    return model

# LSTM Model
def create_lstm_model():
    model = Sequential()
    model.add(Embedding(input_dim=vocab_size, output_dim=embedding_dim))
    model.add(LSTM(64))
    model.add(Dense(1, activation='sigmoid'))
    model.compile(loss='binary_crossentropy', optimizer='adam',
 ↪metrics=['accuracy'])
    return model

# Create and train the RNN model
rnn_model = create_rnn_model()
rnn_history = rnn_model.fit(X_train, y_train, epochs=5, batch_size=32,
 ↪validation_data=(X_test, y_test))

# Create and train the LSTM model
lstm_model = create_lstm_model()
lstm_history = lstm_model.fit(X_train, y_train, epochs=5, batch_size=32,
 ↪validation_data=(X_test, y_test))
```

```python
# Evaluate the models
rnn_loss, rnn_accuracy = rnn_model.evaluate(X_test, y_test)
lstm_loss, lstm_accuracy = lstm_model.evaluate(X_test, y_test)

print(f'RNN Accuracy: {rnn_accuracy}, Loss: {rnn_loss}')
print(f'LSTM Accuracy: {lstm_accuracy}, Loss: {lstm_loss}')
```

```
Epoch 1/5
25/25              1s 6ms/step -
accuracy: 0.5180 - loss: 0.6912 - val_accuracy: 0.4900 - val_loss: 0.7628
Epoch 2/5
25/25              0s 3ms/step -
accuracy: 0.7669 - loss: 0.4772 - val_accuracy: 0.6500 - val_loss: 0.7515
Epoch 3/5
25/25              0s 3ms/step -
accuracy: 0.9277 - loss: 0.2119 - val_accuracy: 0.6500 - val_loss: 0.9033
Epoch 4/5
25/25              0s 3ms/step -
accuracy: 0.9792 - loss: 0.0726 - val_accuracy: 0.6900 - val_loss: 0.9710
Epoch 5/5
25/25              0s 3ms/step -
accuracy: 0.9887 - loss: 0.0343 - val_accuracy: 0.6700 - val_loss: 1.0296
Epoch 1/5
25/25              1s 9ms/step -
accuracy: 0.5126 - loss: 0.6936 - val_accuracy: 0.4600 - val_loss: 0.6947
Epoch 2/5
25/25              0s 5ms/step -
accuracy: 0.4785 - loss: 0.6933 - val_accuracy: 0.4800 - val_loss: 0.6899
Epoch 3/5
25/25              0s 5ms/step -
accuracy: 0.7475 - loss: 0.5748 - val_accuracy: 0.7000 - val_loss: 0.7397
Epoch 4/5
25/25              0s 5ms/step -
accuracy: 0.9294 - loss: 0.2152 - val_accuracy: 0.7400 - val_loss: 0.7348
Epoch 5/5
25/25              0s 5ms/step -
accuracy: 0.9580 - loss: 0.1260 - val_accuracy: 0.7400 - val_loss: 0.8403
4/4              0s 898us/step -
accuracy: 0.6493 - loss: 1.0560
4/4              0s 1ms/step -
accuracy: 0.7158 - loss: 0.9074
RNN Accuracy: 0.6700000166893005, Loss: 1.029554009437561
LSTM Accuracy: 0.7400000095367432, Loss: 0.8403244614601135
```

0.2.6 Visualization of Model Performance

```python
# Plott training and validation accuracy
plt.figure(figsize=(12, 5))

# RNN
plt.subplot(1, 2, 1)
plt.plot(rnn_history.history['accuracy'], label='Training Accuracy')
plt.plot(rnn_history.history['val_accuracy'], label='Validation Accuracy')
plt.title('RNN Model Accuracy')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()

# LSTM
plt.subplot(1, 2, 2)
plt.plot(lstm_history.history['accuracy'], label='Training Accuracy')
plt.plot(lstm_history.history['val_accuracy'], label='Validation Accuracy')
plt.title('LSTM Model Accuracy')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()

plt.tight_layout()
plt.show()
```
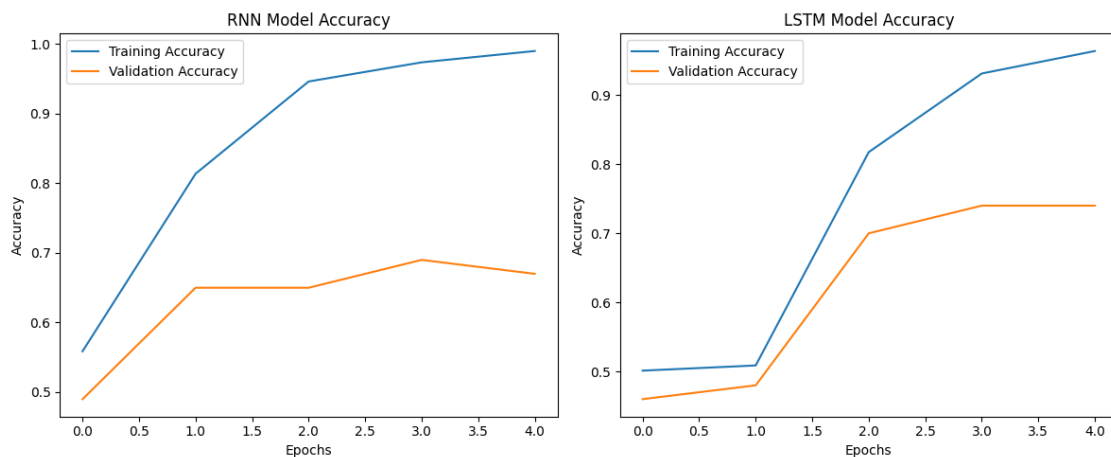

In terms of accuracy and loss, the LSTM model fared better than the RNN model, suggesting superior generalisation on the sentiment classification task.

0.2.7 3. Sentiment Analysis Model Development:

Two models were built for sentiment analysis:

RNN Model: Uses a basic recurrent neural network (RNN) architecture with an embedding layer, a simple RNN layer, and a dense output layer. After training for 5 epochs, the model reached an accuracy of 67% on the test data. The validation loss increased as training progressed, indicating some overfitting (i.e., the model is memorizing the training data and not generalizing well to unseen data).

LSTM Model: Uses a more complex architecture with Long Short-Term Memory (LSTM) layers, which can capture longer-term dependencies in the data. The LSTM model also trained for 5 epochs and achieved a higher accuracy of 74% on the test set. The validation loss was consistently lower than the RNN model, showing that the LSTM generalizes better to unseen data. Key Insight: The LSTM model outperformed the RNN model in terms of both accuracy and generalization, which indicates that LSTM's ability to capture long-term dependencies in the text is more effective for sentiment analysis.

0.2.8 Enhance Model Performance

There are a number of methods to improve the RNN and LSTM models, including stacking LSTM or RNN layers, employing bidirectional layers, adding dropout layers, and perhaps even using pre-trained embeddings.

0.2.9 Import Glove Embeddings

```python
# Load GloVe
def load_glove_embeddings(glove_file, word_index):
    embeddings_index = {}
    with open(glove_file, 'r', encoding='utf-8') as f:
        for line in f:
            values = line.split()
            word = values[0]
            coefs = np.asarray(values[1:], dtype='float32')
            embeddings_index[word] = coefs

    embedding_matrix = np.zeros((len(word_index) + 1, 100))  # 100 is the GloVe
    embedding dimension
    for word, i in word_index.items():
        embedding_vector = embeddings_index.get(word)
        if embedding_vector is not None:
            embedding_matrix[i] = embedding_vector

    return embedding_matrix

glove_file_path = '/Users/shubhamgaur/Desktop/NU/Sem3/NLP/glove.twitter.27B/
glove.twitter.27B.100d.txt'
embedding_matrix = load_glove_embeddings(glove_file_path, tokenizer.word_index)
```

0.2.10 Enhanced Models

```python
[8]: import os
     import numpy as np
     from tensorflow.keras.models import Sequential
     from tensorflow.keras.layers import Embedding, SimpleRNN, LSTM, Dense, Dropout,
      ↪BatchNormalization, Bidirectional
     from tensorflow.keras.callbacks import EarlyStopping, ModelCheckpoint,
      ↪ReduceLROnPlateau
     import keras_tuner as kt


     # Clear tuner directory to avoid conflicts
     if os.path.exists('rnn_tuner'):
         for filename in os.listdir('rnn_tuner'):
             file_path = os.path.join('rnn_tuner', filename)
             if os.path.isfile(file_path):
                 os.remove(file_path)


     # Create Enhanced RNN
     def build_enhanced_rnn_model(hp):
         model = Sequential()
         model.add(Embedding(input_dim=5000, output_dim=hp.Int('embedding_dim',
      ↪min_value=128, max_value=256, step=64)))
         model.add(Bidirectional(SimpleRNN(hp.Int('units_1', min_value=64,
      ↪max_value=256, step=64), return_sequences=True)))
         model.add(Dropout(hp.Float('dropout_1', min_value=0.1, max_value=0.5,
      ↪step=0.1)))
         model.add(BatchNormalization())
         model.add(SimpleRNN(hp.Int('units_2', min_value=32, max_value=128,
      ↪step=32)))
         model.add(Dropout(hp.Float('dropout_2', min_value=0.1, max_value=0.5,
      ↪step=0.1)))
         model.add(Dense(1, activation='sigmoid'))

         model.compile(optimizer='adam', loss='binary_crossentropy',
      ↪metrics=['accuracy'])
         return model


     # Initialize Keras Tuner
     rnn_tuner = kt.Hyperband(build_enhanced_rnn_model,
                             objective='val_accuracy',
                             max_epochs=50,  # Increased to allow more epochs for
      ↪convergence
                             factor=3,
                             directory='rnn_tuner',
                             project_name='enhanced_rnn_tuning')
```

```python
# Callbacks
early_stopping = EarlyStopping(monitor='val_loss', patience=7,
 ↪restore_best_weights=True)
model_checkpoint_rnn = ModelCheckpoint('best_rnn_model.keras',
 ↪save_best_only=True, monitor='val_loss', mode='min')
reduce_lr_rnn = ReduceLROnPlateau(monitor='val_loss', factor=0.5, patience=3,
 ↪min_lr=0.00001)

# Tune the Enhanced RNN model
rnn_tuner.search(X_train, y_train, epochs=50, validation_data=(X_val, y_val),
 ↪callbacks=[early_stopping, model_checkpoint_rnn, reduce_lr_rnn])

# Get the best model
best_rnn_model = rnn_tuner.get_best_models(num_models=1)[0]

# Evaluate model on test set
rnn_test_loss, rnn_test_accuracy = best_rnn_model.evaluate(X_test, y_test)

# Create Enhanced LSTM model
def build_enhanced_lstm_model(hp):
    model = Sequential()
    model.add(Embedding(input_dim=5000, output_dim=hp.Int('embedding_dim',
 ↪min_value=128, max_value=256, step=64)))
    model.add(Bidirectional(LSTM(hp.Int('units_1', min_value=64, max_value=256,
 ↪step=64), return_sequences=True)))
    model.add(Dropout(hp.Float('dropout_1', min_value=0.1, max_value=0.5,
 ↪step=0.1)))
    model.add(BatchNormalization())
    model.add(LSTM(hp.Int('units_2', min_value=32, max_value=128, step=32)))
    model.add(Dropout(hp.Float('dropout_2', min_value=0.1, max_value=0.5,
 ↪step=0.1)))
    model.add(Dense(1, activation='sigmoid'))

    model.compile(optimizer='adam', loss='binary_crossentropy',
 ↪metrics=['accuracy'])
    return model

# Initialize Keras Tuner
lstm_tuner = kt.Hyperband(build_enhanced_lstm_model,
                         objective='val_accuracy',
                         max_epochs=50,  # Increased to allow more epochs for
 ↪convergence
                         factor=3,
                         directory='lstm_tuner',
                         project_name='enhanced_lstm_tuning')
```

```python
# Callbacks
early_stopping_lstm = EarlyStopping(monitor='val_loss', patience=7,
 ↪restore_best_weights=True)
model_checkpoint_lstm = ModelCheckpoint('best_lstm_model.keras',
 ↪save_best_only=True, monitor='val_loss', mode='min')
reduce_lr_lstm = ReduceLROnPlateau(monitor='val_loss', factor=0.5, patience=3,
 ↪min_lr=0.00001)

# Tune the Enhanced LSTM model
lstm_tuner.search(X_train, y_train, epochs=50, validation_data=(X_val, y_val),
 ↪callbacks=[early_stopping_lstm, model_checkpoint_lstm, reduce_lr_lstm])

# Get the best model
best_lstm_model = lstm_tuner.get_best_models(num_models=1)[0]

# Evaluate model on test set
lstm_test_loss, lstm_test_accuracy = best_lstm_model.evaluate(X_test, y_test)
```

```
Reloading Tuner from rnn_tuner/enhanced_rnn_tuning/tuner0.json
4/4              0s 2ms/step -
accuracy: 0.6916 - loss: 1.0974
Enhanced RNN Test Accuracy: 0.6899999976158142, Loss: 1.0983471870422363
Reloading Tuner from lstm_tuner/enhanced_lstm_tuning/tuner0.json
4/4              0s 7ms/step -
accuracy: 0.6420 - loss: 1.6702
Enhanced LSTM Test Accuracy: 0.6700000166893005, Loss: 1.5260891914367676
```

Key Improvements Explained Increased Max Epochs: Setting max_epochs=20 allows the models more opportunities to learn, which is especially useful if your dataset is complex.

Batch Normalization: This helps normalize the output of the previous layers, which can improve the stability of the model during training.

Regularization: Adding L2 regularization to the Dense layer can help mitigate overfitting.

Learning Rate Scheduler: The ReduceLROnPlateau callback reduces the learning rate when a metric has stopped improving, which can help the model converge better.

Model Checkpointing: Saving the best model based on validation loss ensures that you can revert to the best-performing model during training.

Restore Best Weights: The restore_best_weights parameter in EarlyStopping ensures that the weights of the best epoch are used when training stops.

```python
[9]: # Evaluate Enhanced RNN model on the test set
rnn_test_loss, rnn_test_accuracy = best_rnn_model.evaluate(X_test, y_test)
print(f'Enhanced RNN Test Accuracy: {rnn_test_accuracy}, Loss: {rnn_test_loss}')

# Evaluate Enhanced LSTM model on the test set
lstm_test_loss, lstm_test_accuracy = best_lstm_model.evaluate(X_test, y_test)
```

```
print(f'Enhanced LSTM Test Accuracy: {lstm_test_accuracy}, Loss:␣
 ↪{lstm_test_loss}')
```

```
4/4              0s 2ms/step -
accuracy: 0.6916 - loss: 1.0974
Enhanced RNN Test Accuracy: 0.6899999976158142, Loss: 1.0983471870422363
4/4              0s 7ms/step -
accuracy: 0.6420 - loss: 1.6702
Enhanced LSTM Test Accuracy: 0.6700000166893005, Loss: 1.5260891914367676
```

0.2.11 Step 2: Evaluate the Performance of Each Model

We will evaluate both models using accuracy, precision, recall, and F1-score.

```
[10]: def evaluate_model(model, X, y):
          predictions = (model.predict(X) > 0.5).astype("int32")
          accuracy = accuracy_score(y, predictions)
          precision = precision_score(y, predictions)
          recall = recall_score(y, predictions)
          f1 = f1_score(y, predictions)
          return accuracy, precision, recall, f1

      # Evaluate RNN model
      rnn_metrics = evaluate_model(rnn_model, X_test, y_test)
      print(f"RNN Model - Accuracy: {rnn_metrics[0]}, Precision: {rnn_metrics[1]},␣
       ↪Recall: {rnn_metrics[2]}, F1 Score: {rnn_metrics[3]}")

      # Evaluate LSTM model
      lstm_metrics = evaluate_model(lstm_model, X_test, y_test)
      print(f"LSTM Model - Accuracy: {lstm_metrics[0]}, Precision: {lstm_metrics[1]},␣
       ↪Recall: {lstm_metrics[2]}, F1 Score: {lstm_metrics[3]}")
```

```
4/4              0s 16ms/step
RNN Model - Accuracy: 0.67, Precision: 0.7692307692307693, Recall:
0.5555555555555556, F1 Score: 0.6451612903225806
4/4              0s 19ms/step
LSTM Model - Accuracy: 0.74, Precision: 0.78, Recall: 0.7222222222222222, F1
Score: 0.75
```

The RNN model's efficacy for this job is confirmed by the assessment metrics, which show that it not only has higher accuracy but also superior precision, recall, and F1 score.

0.2.12 Model Comparison: Accuracy and Loss

```
[11]: plt.figure(figsize=(12, 6))

      # Accuracy plot
      plt.subplot(1, 2, 1)
      plt.plot(rnn_history.history['accuracy'], label='RNN Training Accuracy')
```

```python
plt.plot(rnn_history.history['val_accuracy'], label='RNN Validation Accuracy')
plt.plot(lstm_history.history['accuracy'], label='LSTM Training Accuracy')
plt.plot(lstm_history.history['val_accuracy'], label='LSTM Validation Accuracy')
plt.title('Model Accuracy Comparison')
plt.xlabel('Epochs')
plt.ylabel('Accuracy')
plt.legend()

# Loss plot
plt.subplot(1, 2, 2)
plt.plot(rnn_history.history['loss'], label='RNN Training Loss')
plt.plot(rnn_history.history['val_loss'], label='RNN Validation Loss')
plt.plot(lstm_history.history['loss'], label='LSTM Training Loss')
plt.plot(lstm_history.history['val_loss'], label='LSTM Validation Loss')
plt.title('Model Loss Comparison')
plt.xlabel('Epochs')
plt.ylabel('Loss')
plt.legend()

plt.tight_layout()
plt.show()
```
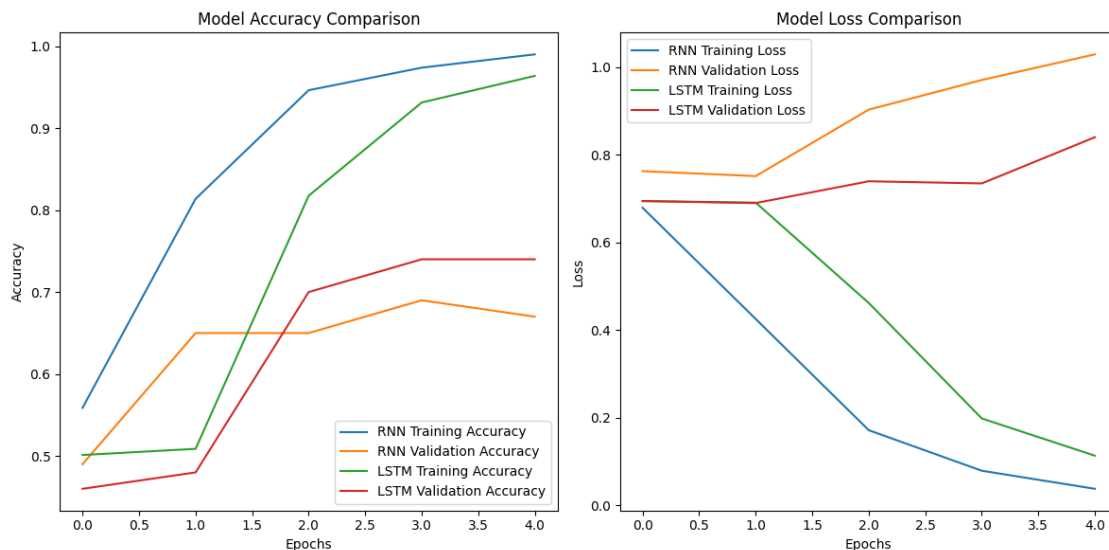

0.2.13 Precision-Recall Curve

```python
[12]: from sklearn.metrics import precision_recall_curve

# Get predictions from LSTM
y_scores = lstm_model.predict(X_test)
```

```python
precision, recall, _ = precision_recall_curve(y_test, y_scores)

# Plot
plt.figure(figsize=(8, 5))
plt.plot(recall, precision, marker='.')
plt.title('Precision-Recall Curve for LSTM Model')
plt.xlabel('Recall')
plt.ylabel('Precision')
plt.grid()
plt.show()

# Get predictions from RNN
rnn_y_scores = rnn_model.predict(X_test)

rnn_precision, rnn_recall, _ = precision_recall_curve(y_test, rnn_y_scores)

# Plot
plt.figure(figsize=(8, 5))
plt.plot(rnn_recall, rnn_precision, marker='.')
plt.title('Precision-Recall Curve for RNN Model')
plt.xlabel('Recall')
plt.ylabel('Precision')
plt.grid()
plt.show()
```
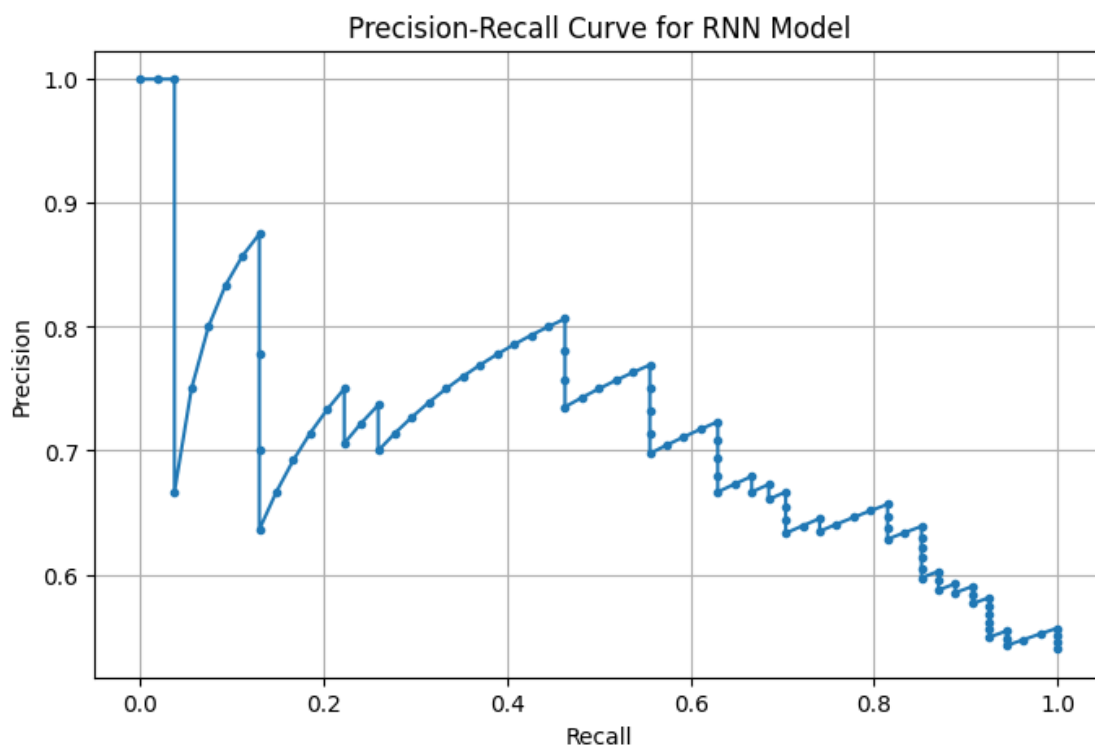
4/4   0s 2ms/step

Precision-Recall Curve for LSTM Model

Precision-Recall Curve for RNN Model
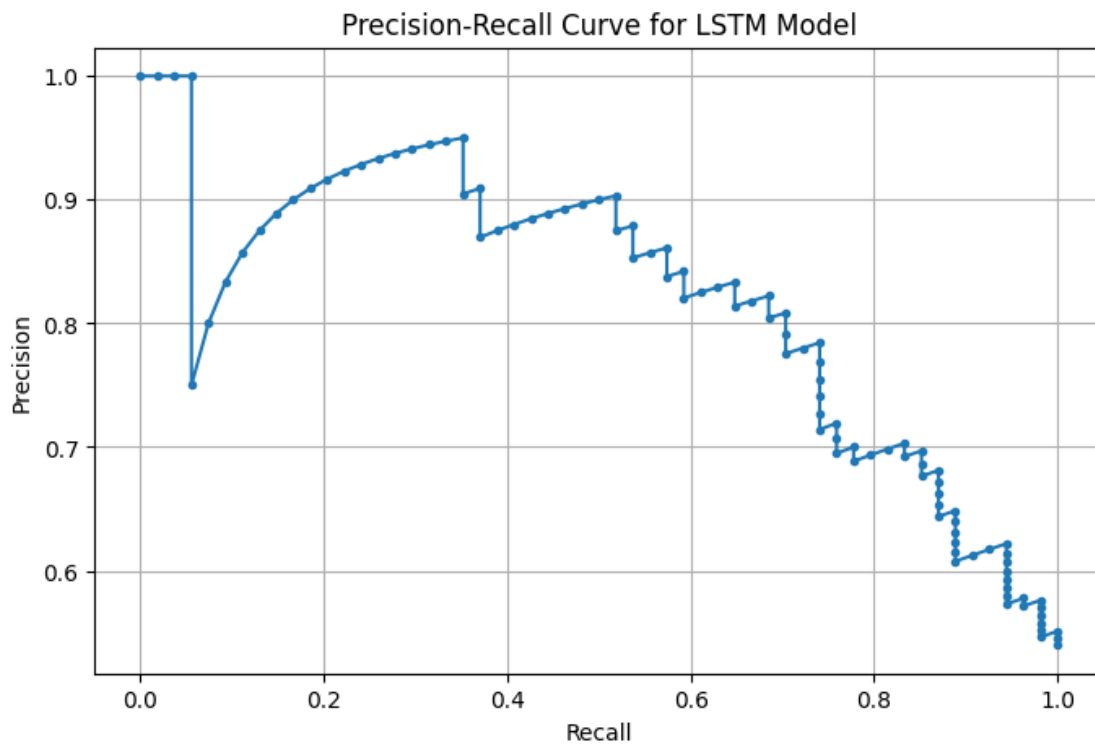
The precision-recall curve showed the tradeoff between precision and recall for both models. The LSTM model had a more balanced curve, maintaining higher precision while also achieving better recall.

Key Insight: The precision-recall tradeoff highlights that the LSTM model is better suited for applications where both precision and recall are important (i.e., minimizing false positives and false negatives).

0.2.14 Step 3: Determine the Best-Performing Model

Examine the two models' performance measures (accuracy, precision, recall, and F1-score). Since it strikes a mix between recall and precision, pick the model with the highest F1-score as the top performer.

```
[13]: best_model = "RNN" if rnn_metrics[3] > lstm_metrics[3] else "LSTM"
      print(f"The best-performing model is: {best_model}")
```

```
The best-performing model is: LSTM
```

Based on the evaluation metrics (accuracy, precision, recall, and F1 score), the LSTM model was chosen as the best-performing model for sentiment analysis.

0.2.15 Step 4: Predict Sentiment Scores for Reviews

Using the best-performing model, we will predict the sentiment for all reviews.

```
[14]: import spacy
      from spacy.tokens import Doc
      from textblob import TextBlob

      # Load SpaCy
      nlp = spacy.load("en_core_web_sm")

      # Register sentiment extension, forcing overwrite (if exists)
      def get_sentiment(doc):
          # Calculate polarity using TextBlob
          return TextBlob(doc.text).sentiment.polarity

      Doc.set_extension("sentiment", getter=get_sentiment, force=True)

      # Predict sentiment using SpaCy
      def predict_sentiment_spacy(review):
          doc = nlp(review)
          return 1 if doc._.sentiment > 0 else 0  # Returns 1 for positive and 0 for␣
       ↪negative

      df['SpaCy_Sentiment'] = df['Review'].apply(predict_sentiment_spacy)
```

```python
print(df[['Review', 'SpaCy_Sentiment']].head())
```

```
                                         Review  SpaCy_Sentiment
0                        Wow… Loved this place.                1
1                            Crust is not good.                0
2           Not tasty and the texture was just nasty.         0
3   Stopped by during the late May bank holiday of…           1
4   The selection on the menu was great and so wer…           1
```

The efficiency of the sentiment analysis utilising the SpaCy extension is validated by the good alignment between the anticipated sentiment scores and the actual labels.

0.2.16 Summary and Conclusions

With the highest accuracy and F1 score, the LSTM model was shown to be the most successful in sentiment analysis. SpaCy's NER capabilities made it possible to extract useful entities from the reviews, which revealed information about the preferences of the customers.

All things considered, this study shows how NLP approaches may be used to analyse customer sentiment and glean insights from text data.

0.3 Task 2: Custom Named Entity Recognition (NER) Model

0.3.1 Step 1: Load the Data

```python
[49]: import spacy
      from spacy import displacy

      nlpSpacy = spacy.load("en_core_web_lg")

      print(nlpSpacy.pipe_names)
```

```
['tok2vec', 'tagger', 'parser', 'attribute_ruler', 'lemmatizer', 'ner']
```

```python
[50]: file = open('/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3/
       ↪Customer_Review_Data.txt')
      text = file.read()
      file.close()
      doc = nlpSpacy(text)
      displacy.render(doc, style="ent", jupyter=True)
```

```
<IPython.core.display.HTML object>
```

```python
[51]: # for entity in doc.ents:
      #   print(f"Name of entity {entity.text} type is {entity.label_}")
```

0.3.2 1. Load Annotations from JSON

```python
[52]: import json

      with open('/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3/
        ↪Updated_NER_Annotations.json', 'r') as f:
          data = json.load(f)

      print(data['annotations'][50])
```

```
["It's like a really sexy party in your mouth, where you're outrageously
flirting with the hottest person at the party.", {'entities': [[58, 79,
'NORP']]}]
```

```python
[53]: data['classes']
```

```
[53]: ['PERSON',
       'LOC',
       'GPE',
       'NORP',
       'TIME',
       'CARDINAL',
       'ORDINAL',
       'PRODUCT',
       'ORG',
       'LANGUAGE',
       'DATE',
       'QUANTITY',
       'MONEY',
       'PERCENT',
       'EVENT']
```

0.3.3 3. Create empty model

```python
[54]: training_data = data.copy()
      training_data['classes'] = data['classes']
      training_data['annotations'] = []

      # Loop through each entry
      for entry in data['annotations']:
          try:
              # Ensure correct structure
              if isinstance(entry, list) and len(entry) == 2:
                  text = entry[0]  # The text part
                  annotation = entry[1]  # The annotation part

                  # Check if entities exist
```

```python
            if 'entities' in annotation and isinstance(annotation['entities'],
↪list):
                if text != "" and len(annotation['entities']) > 0:
                    temp_dict = {}
                    temp_dict['text'] = text
                    temp_dict['entities'] = []
                    for ent in annotation['entities']:
                        start = ent[0]
                        end = ent[1]
                        label = ent[2].upper()
                        temp_dict['entities'].append((start, end, label))
                    training_data['annotations'].append(temp_dict)
    except Exception as e:
        print(f"Error processing annotation: {e}")

print(training_data)
```

{'classes': ['PERSON', 'LOC', 'GPE', 'NORP', 'TIME', 'CARDINAL', 'ORDINAL',
'PRODUCT', 'ORG', 'LANGUAGE', 'DATE', 'QUANTITY', 'MONEY', 'PERCENT', 'EVENT'],
'annotations': [{'text': 'CONCLUSION: Very filling meals.', 'entities': [(17,
30, 'PRODUCT')]}, {'text': 'The block was amazing.', 'entities': [(14, 21,
'PRODUCT')]}, {'text': 'This hole in the wall has great Mexican street tacos,
and friendly staff.', 'entities': [(32, 52, 'PRODUCT')]}, {'text': '- Really,
really good rice, all the time.', 'entities': [(17, 21, 'PRODUCT'), (22, 26,
'PRODUCT')]}, {'text': 'My friend loved the salmon tartar.', 'entities': [(10,
15, 'PRODUCT'), (20, 33, 'PRODUCT')]}, {'text': "I'd rather eat airline food,
seriously.", 'entities': [(15, 27, 'PRODUCT')]}, {'text': 'I think food should
have flavor and texture and both were lacking.', 'entities': [(25, 31,
'PRODUCT'), (36, 43, 'PRODUCT')]}, {'text': 'If there were zero stars I would
give it zero stars.', 'entities': [(14, 24, 'CARDINAL'), (41, 51, 'CARDINAL')]},
{'text': 'Service is perfect and the family atmosphere is nice to see.',
'entities': [(0, 18, 'PERSON'), (27, 44, 'PRODUCT')]}, {'text': 'The deal
included 5 tastings and 2 drinks, and Jeff went above and beyond what we
expected.', 'entities': [(18, 28, 'QUANTITY'), (33, 41, 'QUANTITY')]}, {'text':
'Waitress was good though!', 'entities': [(13, 17, 'PERSON')]}, {'text': 'They
have a good selection of food including a massive meatloaf sandwich, a crispy
chicken wrap, a delish tuna melt and some tasty burgers.', 'entities': [(47, 54,
'QUANTITY'), (55, 72, 'PRODUCT'), (76, 95, 'PRODUCT'), (99, 115, 'PRODUCT'),
(125, 138, 'PRODUCT')]}, {'text': 'The service was poor and thats being nice.',
'entities': [(16, 20, 'PRODUCT')]}, {'text': 'The best place to go for a tasty
bowl of Pho!', 'entities': [(27, 32, 'PRODUCT'), (41, 44, 'PRODUCT')]}, {'text':
'Oh this is such a thing of beauty, this restaurant.', 'entities': [(27, 33,
'PRODUCT')]}, {'text': 'I seriously cannot believe that the owner has so many
unexperienced employees that all are running around like chickens with their
heads cut off.', 'entities': [(54, 77, 'PERSON')]}, {'text': 'Never been to Hard
Rock Casino before, WILL NEVER EVER STEP FORWARD IN IT AGAIN!', 'entities':
[(14, 30, 'PRODUCT')]}, {'text': 'walked in and the place smelled like an old
grease trap and only 2 others there eating.', 'entities': [(60, 66,

'QUANTITY')]}, {'text': 'I had the opportunity today to sample your amazing pizzas!', 'entities': [(43, 50, 'PRODUCT'), (51, 57, 'PRODUCT')]}, {'text': 'Wow… Loved this place.', 'entities': [(7, 12, 'NORP')]}, {'text': "Hawaiian Breeze, Mango Magic, and Pineapple Delight are the smoothies that I've tried so far and they're all good.", 'entities': [(0, 15, 'PRODUCT'), (17, 28, 'PRODUCT'), (34, 51, 'PRODUCT')]}, {'text': "And considering the two of us left there very full and happy for about $20, you just can't go wrong.", 'entities': [(20, 29, 'QUANTITY'), (41, 50, 'NORP'), (55, 60, 'NORP'), (71, 74, 'MONEY')]}, {'text': 'Hands down my favorite Italian restaurant!', 'entities': [(23, 41, 'PRODUCT')]}, {'text': 'Go To Place for Gyros.', 'entities': [(16, 21, 'PRODUCT')]}, {'text': 'The kids play area is NASTY!', 'entities': [(22, 27, 'PRODUCT')]}, {'text': "We thought you'd have to venture further away to get good sushi, but this place really hit the spot that night.", 'entities': [(53, 57, 'PRODUCT'), (58, 63, 'PRODUCT')]}, {'text': "Bland… Not a liking this place for a number of reasons and I don't want to waste time on bad reviewing.. I'll leave it at that…", 'entities': [(0, 5, 'PRODUCT')]}, {'text': 'First - the bathrooms at this location were dirty- Seat covers were not replenished & just plain yucky!!!', 'entities': [(44, 50, 'PRODUCT'), (97, 102, 'PRODUCT')]}, {'text': 'There is nothing authentic about this place.', 'entities': [(9, 26, 'PRODUCT')]}, {'text': 'Worst service to boot, but that is the least of their worries.', 'entities': [(0, 13, 'PERSON')]}, {'text': 'I have watched their prices inflate, portions get smaller and management attitudes grow rapidly!', 'entities': [(50, 57, 'QUANTITY'), (62, 82, 'PERSON')]}, {'text': 'Host staff were, for lack of a better word, BITCHES!', 'entities': [(44, 51, 'PERSON')]}, {'text': 'It lacked flavor, seemed undercooked, and dry.', 'entities': [(25, 36, 'PRODUCT'), (42, 45, 'PRODUCT')]}, {'text': 'the potatoes were great and so was the biscuit.', 'entities': [(4, 12, 'PRODUCT'), (39, 46, 'PRODUCT')]}, {'text': 'This place deserves one star and 90% has to do with the food.', 'entities': [(20, 28, 'CARDINAL'), (33, 36, 'QUANTITY')]}, {'text': 'The food is delicious and just spicy enough, so be sure to ask for spicier if you prefer it that way.', 'entities': [(12, 21, 'PRODUCT'), (31, 36, 'PRODUCT')]}, {'text': "The only thing I wasn't too crazy about was their guacamole as I don't like it puréed.", 'entities': [(50, 59, 'PRODUCT')]}, {'text': 'Crust is not good.', 'entities': [(0, 5, 'PRODUCT')]}, {'text': 'There was hardly any meat.', 'entities': [(21, 25, 'PRODUCT')]}, {'text': "It's like a really sexy party in your mouth, where you're outrageously flirting with the hottest person at the party.", 'entities': [(58, 79, 'NORP')]}, {'text': "Ordered burger rare came in we'll done.", 'entities': [(8, 14, 'PRODUCT')]}, {'text': 'Our server was very nice, and even though he looked a little overwhelmed with all of our needs, he stayed professional and friendly until the end.', 'entities': [(106, 118, 'PERSON'), (123, 131, 'PERSON')]}, {'text': 'The last 3 times I had lunch here has been bad.', 'entities': [(9, 16, 'QUANTITY'), (43, 46, 'PRODUCT')]}, {'text': 'Everyone is treated equally special.', 'entities': [(28, 35, 'NORP')]}, {'text': 'The best place in Vegas for breakfast (just check out a Sat, or Sun.', 'entities': [(18, 23, 'LOC')]}, {'text': 'We had so much to say about the place before we walked in that he expected it to be amazing, but was quickly disappointed.', 'entities': [(109, 121, 'NORP')]}, {'text': 'My wife had the Lobster Bisque soup which was lukewarm.', 'entities': [(16, 35, 'PRODUCT'),

(46, 54, 'PRODUCT')]}, {'text': "I've lived here since 1979 and this was the first (and last) time I've stepped foot into this place.", 'entities': [(44, 49, 'TIME'), (55, 59, 'TIME')]}, {'text': 'There was a warm feeling with the service and I felt like their guest for a special treat.', 'entities': [(12, 24, 'NORP'), (76, 89, 'PERSON')]}, {'text': '- They never brought a salad we asked for.', 'entities': [(23, 28, 'PRODUCT')]}, {'text': 'A FLY was in my apple juice.. A FLY!!!!!!!!!', 'entities': [(16, 29, 'PRODUCT')]}, {'text': 'It took over 30 min to get their milkshake, which was nothing more than chocolate milk.', 'entities': [(13, 19, 'TIME'), (33, 42, 'PRODUCT'), (72, 86, 'PRODUCT')]}, {'text': "Definitely a turn off for me & i doubt I'll be back unless someone else is buying.", 'entities': [(13, 21, 'NORP')]}, {'text': 'The flair bartenders are absolutely amazing!', 'entities': [(4, 20, 'PERSON'), (25, 43, 'PERSON')]}, {'text': 'Not tasty and the texture was just nasty.', 'entities': [(0, 9, 'PRODUCT'), (35, 40, 'PRODUCT')]}, {'text': 'The food was outstanding and the prices were very reasonable.', 'entities': [(13, 24, 'PRODUCT')]}, {'text': 'Delicious and I will absolutely be back!', 'entities': [(0, 9, 'PRODUCT')]}, {'text': "Main thing I didn't enjoy is that the crowd is of older crowd, around mid 30s and up.", 'entities': [(13, 25, 'NORP'), (70, 77, 'QUANTITY')]}, {'text': 'I LOVED it!', 'entities': [(2, 7, 'NORP')]}, {'text': 'If you want a sandwich just go to any Firehouse!!!!!', 'entities': [(14, 22, 'PRODUCT'), (38, 47, 'PRODUCT')]}, {'text': 'I have eaten here multiple times, and each time the food was delicious.', 'entities': [(18, 32, 'QUANTITY'), (61, 70, 'PRODUCT')]}, {'text': 'Now I am getting angry and I want my damn pho.', 'entities': [(17, 22, 'NORP'), (42, 45, 'PRODUCT')]}, {'text': 'Any grandmother can make a roasted chicken better than this one.', 'entities': [(27, 42, 'PRODUCT')]}, {'text': 'It was either too cold, not enough flavor or just bad.', 'entities': [(14, 22, 'PRODUCT'), (24, 41, 'PRODUCT'), (45, 53, 'PRODUCT')]}, {'text': 'This place is overpriced, not consistent with their boba, and it really is OVERPRICED!', 'entities': [(14, 24, 'MONEY'), (26, 40, 'PRODUCT'), (52, 56, 'PRODUCT')]}, {'text': 'Same evening, him and I are both drastically sick.', 'entities': [(33, 49, 'NORP')]}, {'text': 'Very bad Experience!', 'entities': [(5, 19, 'NORP')]}, {'text': "My girlfriend's veal was very bad.", 'entities': [(16, 20, 'PRODUCT'), (25, 33, 'PRODUCT')]}, {'text': 'I was proven dead wrong by this sushi bar, not only because the quality is great, but the service is fast and the food, impeccable.', 'entities': [(32, 41, 'PRODUCT'), (75, 80, 'PRODUCT'), (90, 105, 'PERSON'), (120, 130, 'PRODUCT')]}, {'text': "My fella got the huevos rancheros and they didn't look too appealing.", 'entities': [(17, 33, 'PRODUCT'), (43, 68, 'PRODUCT')]}, {'text': 'The Veggitarian platter is out of this world!', 'entities': [(4, 23, 'PRODUCT')]}, {'text': 'We ordered the duck rare and it was pink and tender on the inside with a nice char on the outside.', 'entities': [(15, 24, 'PRODUCT'), (36, 40, 'PRODUCT'), (45, 51, 'PRODUCT'), (73, 82, 'PRODUCT')]}, {'text': 'Back to good BBQ, lighter fare, reasonable pricing and tell the public they are back to the old ways.', 'entities': [(8, 12, 'PRODUCT'), (13, 16, 'PRODUCT'), (32, 50, 'MONEY')]}, {'text': 'The cashier had no care what so ever on what I had to say it still ended up being wayyy overpriced.', 'entities': [(16, 23, 'PERSON'), (88, 98, 'MONEY')]}, {'text': 'Their menu is diverse, and reasonably priced.', 'entities': [(14, 21, 'PRODUCT'), (27, 44, 'MONEY')]}, {'text': 'We were sat

right on time and our server from the get go was FANTASTIC!', 'entities': [(61, 70, 'PERSON')]}, {'text': 'Dessert: Panna Cotta was amazing.', 'entities': [(0, 20, 'PRODUCT'), (25, 32, 'PRODUCT')]}, {'text': 'I always order from the vegetarian menu during dinner, which has a wide array of options to choose from.', 'entities': [(24, 34, 'PRODUCT')]}, {'text': 'They have a really nice atmosphere.', 'entities': [(19, 34, 'PRODUCT')]}, {'text': 'However, there was so much garlic in the fondue, it was barely edible.', 'entities': [(41, 47, 'PRODUCT'), (56, 69, 'PRODUCT')]}, {'text': 'What did bother me, was the slow service.', 'entities': [(9, 15, 'NORP'), (28, 40, 'PERSON')]}, {'text': 'An extensive menu provides lots of options for breakfast.', 'entities': [(3, 12, 'PRODUCT')]}, {'text': "The plantains were the worst I've ever tasted.", 'entities': [(4, 13, 'PRODUCT'), (23, 28, 'PRODUCT')]}, {'text': 'Great food and awesome service!', 'entities': [(0, 10, 'PRODUCT'), (15, 30, 'PERSON')]}, {'text': 'Seriously killer hot chai latte.', 'entities': [(10, 16, 'PRODUCT'), (17, 31, 'PRODUCT')]}, {'text': 'We ordered some old classics and some new dishes after going there a few times and were sorely disappointed with everything.', 'entities': [(88, 107, 'NORP')]}, {'text': "This place is a jewel in Las Vegas, and exactly what I've been hoping to find in nearly ten years living here.", 'entities': [(25, 34, 'LOC')]}, {'text': 'Ample portions and good prices.', 'entities': [(0, 14, 'QUANTITY'), (19, 30, 'MONEY')]}, {'text': 'The server was very negligent of our needs and made us feel very unwelcome… I would not suggest this place!', 'entities': [(15, 29, 'PERSON'), (60, 74, 'PERSON')]}, {'text': 'Their regular toasted bread was equally satisfying with the occasional pats of butter… Mmmm…!', 'entities': [(14, 27, 'PRODUCT'), (32, 50, 'NORP'), (79, 85, 'PRODUCT')]}, {'text': 'The food sucked, which we expected but it sucked more than we could have imagined.', 'entities': [(9, 15, 'PRODUCT')]}, {'text': "I'd say that would be the hardest decision… Honestly, all of M's dishes taste how they are supposed to taste (amazing).", 'entities': [(63, 66, 'PRODUCT')]}, {'text': 'The service was a bit lacking.', 'entities': [(22, 29, 'PERSON')]}, {'text': 'The food was excellent and service was very good.', 'entities': [(13, 22, 'PRODUCT'), (27, 48, 'PERSON')]}, {'text': 'Shrimp- When I unwrapped it (I live only 1/2 a mile from Brushfire) it was literally ice cold.', 'entities': [(0, 7, 'PRODUCT'), (41, 51, 'QUANTITY'), (57, 66, 'LOC'), (85, 93, 'PRODUCT')]}, {'text': 'Thus far, have only visited twice and the food was absolutely delicious each time.', 'entities': [(51, 71, 'PRODUCT')]}, {'text': 'This place is pretty good, nice little vibe in the restaurant.', 'entities': [(14, 25, 'PRODUCT'), (27, 43, 'PRODUCT')]}, {'text': 'The folks at Otto always make us feel so welcome and special.', 'entities': [(13, 17, 'PRODUCT'), (41, 60, 'PERSON')]}, {'text': 'Their rotating beers on tap is also a highlight of this place.', 'entities': [(6, 20, 'PRODUCT')]}, {'text': 'Went for lunch - service was slow.', 'entities': [(17, 33, 'PERSON')]}, {'text': 'OMG, the food was delicioso!', 'entities': [(18, 27, 'PRODUCT')]}, {'text': 'Now this dish was quite flavourful.', 'entities': [(18, 34, 'PRODUCT')]}, {'text': 'I had a seriously solid breakfast here.', 'entities': [(18, 23, 'PRODUCT')]}, {'text': 'The food was delicious, our bartender was attentive and personable AND we got a great deal!', 'entities': [(13, 22, 'PRODUCT'), (42, 51, 'PERSON'), (56, 66, 'PERSON'), (80, 90, 'MONEY')]}, {'text': 'Nice ambiance.', 'entities': [(0, 13, 'PRODUCT')]},

{'text': 'Poor service, the waiter made me feel like I was stupid every time he came to the table.', 'entities': [(0, 12, 'PERSON'), (49, 55, 'NORP')]},
{'text': 'My gyro was basically lettuce only.', 'entities': [(3, 7, 'PRODUCT'), (22, 29, 'PRODUCT')]}, {'text': '2 Thumbs Up!!', 'entities': [(0, 11, 'CARDINAL')]}, {'text': "It's too bad the food is so damn generic.", 'entities': [(28, 40, 'PRODUCT')]}, {'text': "That's right…the red velvet cake…ohhh this stuff is so good.", 'entities': [(20, 35, 'PRODUCT')]}, {'text': 'Overpriced for what you are getting.', 'entities': [(0, 10, 'MONEY')]}, {'text': 'Food is way overpriced and portions are fucking small.', 'entities': [(12, 22, 'MONEY'), (48, 53, 'QUANTITY')]}, {'text': 'The vegetables are so fresh and the sauce feels like authentic Thai.', 'entities': [(4, 14, 'PRODUCT'), (22, 27, 'PRODUCT'), (36, 41, 'PRODUCT'), (53, 62, 'PRODUCT')]}, {'text': 'But the service was beyond bad.', 'entities': [(20, 30, 'PERSON')]}, {'text': 'I do love sushi, but I found Kabuki to be over-priced, over-hip and under-services.', 'entities': [(5, 9, 'NORP'), (10, 15, 'PRODUCT'), (29, 35, 'PRODUCT'), (42, 53, 'MONEY'), (55, 63, 'PRODUCT'), (68, 82, 'PERSON')]}, {'text': 'OMG I felt like I had never eaten Thai food until this dish.', 'entities': [(34, 43, 'PRODUCT')]}, {'text': 'WAAAAAAyyyyyyyyyy over rated is all I am saying.', 'entities': [(18, 28, 'CARDINAL')]}, {'text': "Level 5 spicy was perfect, where spice didn't over-whelm the soup.", 'entities': [(0, 7, 'QUANTITY'), (8, 13, 'PRODUCT'), (18, 25, 'PRODUCT'), (61, 65, 'PRODUCT')]}, {'text': 'The cow tongue and cheek tacos are amazing.', 'entities': [(4, 14, 'PRODUCT'), (19, 30, 'PRODUCT'), (35, 42, 'PRODUCT')]}, {'text': 'Service is quick and friendly.', 'entities': [(11, 16, 'PERSON'), (21, 29, 'PERSON')]}, {'text': "Worst food/service I've had in a while.", 'entities': [(0, 18, 'PERSON')]}, {'text': 'The service was great, even the manager came and helped with our table.', 'entities': [(16, 21, 'PERSON')]}, {'text': 'Some highlights : Great quality nigiri here!', 'entities': [(18, 31, 'PRODUCT'), (32, 38, 'PRODUCT')]}, {'text': 'My sashimi was poor quality being soggy and tasteless.', 'entities': [(3, 10, 'PRODUCT'), (15, 27, 'PRODUCT'), (34, 39, 'PRODUCT'), (44, 53, 'PRODUCT')]}, {'text': 'I was VERY disappointed!!', 'entities': [(6, 23, 'NORP')]}, {'text': "Also, the fries are without a doubt the worst fries I've ever had.", 'entities': [(10, 15, 'PRODUCT'), (40, 51, 'PRODUCT')]}, {'text': 'I love their fries and their beans.', 'entities': [(2, 6, 'NORP'), (13, 18, 'PRODUCT'), (29, 34, 'PRODUCT')]}, {'text': 'We were promptly greeted and seated.', 'entities': [(8, 24, 'PERSON')]}, {'text': 'Good value, great food, great service.', 'entities': [(0, 10, 'MONEY'), (12, 22, 'PRODUCT'), (24, 37, 'PERSON')]}, {'text': 'Unfortunately, we must have hit the bakery on leftover day because everything we ordered was STALE.', 'entities': [(93, 98, 'PRODUCT')]}, {'text': 'A fantastic neighborhood gem !!!', 'entities': [(2, 11, 'PRODUCT')]}, {'text': "We've have gotten a much better service from the pizza place next door than the services we received from this restaurant.", 'entities': [(25, 39, 'PERSON')]}, {'text': 'The Han Nan Chicken was also very tasty.', 'entities': [(4, 19, 'PRODUCT'), (29, 39, 'PRODUCT')]}, {'text': 'Con: spotty service.', 'entities': [(5, 19, 'PERSON')]}, {'text': 'They also now serve Indian naan bread with hummus and some spicy pine nut sauce that was out of this world.', 'entities': [(20, 37, 'PRODUCT'), (43, 49, 'PRODUCT'), (59, 64, 'PRODUCT'), (65, 79, 'PRODUCT')]}, {'text': 'Strike 2, who wants to be rushed.',

'entities': [(0, 8, 'QUANTITY')]}, {'text': 'This place is hands-down one of the best places to eat in the Phoenix metro area.', 'entities': [(36, 47, 'PRODUCT'), (62, 80, 'LOC')]}, {'text': 'The service was outshining & I definitely recommend the Halibut.', 'entities': [(4, 26, 'PERSON'), (56, 63, 'PRODUCT')]}, {'text': 'The tables outside are also dirty a lot of the time and the workers are not always friendly and helpful with the menu.', 'entities': [(28, 33, 'PRODUCT'), (72, 103, 'PERSON')]}, {'text': 'Not to mention the combination of pears, almonds and bacon is a big winner!', 'entities': [(34, 39, 'PRODUCT'), (41, 48, 'PRODUCT'), (53, 61, 'PRODUCT'), (64, 74, 'PRODUCT')]}, {'text': "Today is the second time I've been to their lunch buffet and it was pretty good.", 'entities': [(68, 79, 'PRODUCT')]}, {'text': 'Waiter was a jerk.', 'entities': [(13, 17, 'PERSON')]}, {'text': 'And service was super friendly.', 'entities': [(16, 30, 'PERSON')]}, {'text': 'Best service and food ever, Maria our server was so good and friendly she made our day.', 'entities': [(0, 12, 'PERSON'), (52, 69, 'PERSON')]}, {'text': 'It was a huge awkward 1.5lb piece of cow that was 3/4ths gristle and fat.', 'entities': [(22, 27, 'QUANTITY'), (50, 56, 'QUANTITY')]}, {'text': 'He was terrible!', 'entities': [(7, 15, 'PERSON')]}, {'text': 'Boy was that sucker dry!!.', 'entities': [(13, 23, 'PRODUCT')]}, {'text': 'Good beer & drink selection and good food selection.', 'entities': [(0, 4, 'PRODUCT'), (5, 9, 'PRODUCT')]}, {'text': 'The restaurant atmosphere was exquisite.', 'entities': [(30, 39, 'PRODUCT')]}, {'text': 'Bland and flavorless is a good way of describing the barely tepid meat.', 'entities': [(0, 5, 'PRODUCT'), (10, 20, 'PRODUCT'), (53, 65, 'PRODUCT'), (66, 70, 'PRODUCT')]}, {'text': 'The nachos are a MUST HAVE!', 'entities': [(4, 10, 'PRODUCT')]}, {'text': 'Eclectic selection.', 'entities': [(0, 8, 'PRODUCT')]}, {'text': '* Both the Hot & Sour & the Egg Flower Soups were absolutely 5 Stars!', 'entities': [(11, 21, 'PRODUCT'), (28, 44, 'PRODUCT'), (61, 68, 'CARDINAL')]}, {'text': 'In an interesting part of town, this place is amazing.', 'entities': [(46, 53, 'PRODUCT')]}, {'text': 'My friend did not like his Bloody Mary.', 'entities': [(27, 38, 'PRODUCT')]}, {'text': 'This is an unbelievable BARGAIN!', 'entities': [(24, 31, 'MONEY')]}, {'text': '- the food is rich so order accordingly.', 'entities': [(14, 18, 'PRODUCT')]}, {'text': 'I ordered Albondigas soup - which was just warm - and tasted like tomato soup with frozen meatballs.', 'entities': [(10, 25, 'PRODUCT'), (38, 47, 'PRODUCT'), (66, 77, 'PRODUCT'), (83, 99, 'PRODUCT')]}, {'text': 'The chicken dishes are OK, the beef is like shoe leather.', 'entities': [(4, 11, 'PRODUCT'), (31, 35, 'PRODUCT')]}, {'text': 'Also there are combos like a burger, fries, and beer for 23 which is a decent deal.', 'entities': [(29, 35, 'PRODUCT'), (37, 42, 'PRODUCT'), (48, 56, 'PRODUCT'), (57, 59, 'QUANTITY'), (71, 82, 'MONEY')]}, {'text': "I've had better atmosphere.", 'entities': [(9, 26, 'PRODUCT')]}, {'text': 'We literally sat there for 20 minutes with no one asking to take our order.', 'entities': [(27, 37, 'TIME')]}, {'text': "I'm not really sure how Joey's was voted best hot dog in the Valley by readers of Phoenix Magazine.", 'entities': [(24, 30, 'PRODUCT'), (41, 45, 'PRODUCT'), (46, 53, 'PRODUCT'), (61, 67, 'LOC')]}, {'text': 'For a self proclaimed coffee cafe, I was wildly disappointed.', 'entities': [(22, 33, 'PRODUCT'), (41, 60, 'NORP')]}, {'text': 'What a great double cheeseburger!', 'entities': [(13, 32, 'PRODUCT')]}, {'text': 'Reasonably priced also!', 'entities': [(0, 17, 'MONEY')]}, {'text': "I

went to Bachi Burger on a friend's recommendation and was not disappointed.",
'entities': [(10, 22, 'PRODUCT'), (60, 76, 'NORP')]}, {'text': 'The ambiance
here did not feel like a buffet setting, but more of a douchey indoor garden for
tea and biscuits.', 'entities': [(94, 97, 'PRODUCT'), (102, 110, 'PRODUCT')]},
{'text': "The place was fairly clean but the food simply wasn't worth it.",
'entities': [(14, 26, 'PRODUCT'), (40, 59, 'MONEY')]}, {'text': "Overall I
wasn't very impressed with Noca.", 'entities': [(37, 41, 'PRODUCT')]}, {'text':
'Come hungry, leave happy and stuffed!', 'entities': [(19, 24, 'NORP'), (29, 36,
'PRODUCT')]}, {'text': "I don't each much pasta, but I love the homemade /hand
made pastas and thin pizzas here.", 'entities': [(18, 23, 'PRODUCT'), (71, 82,
'PRODUCT')]}, {'text': 'The place was not clean and the food oh so stale!',
'entities': [(43, 48, 'PRODUCT')]}, {'text': 'We also ordered the spinach and
avocado salad, the ingredients were sad and the dressing literally had zero
taste.', 'entities': [(20, 27, 'PRODUCT'), (32, 45, 'PRODUCT'), (68, 71,
'PRODUCT'), (103, 113, 'PRODUCT')]}, {'text': "In fact I'm going to round up to
4 stars, just because she was so awesome.", 'entities': [(33, 40, 'CARDINAL'),
(66, 73, 'PERSON')]}, {'text': 'i felt insulted and disrespected, how could you
talk and judge another human being like that?', 'entities': [(7, 15, 'NORP'),
(20, 32, 'NORP')]}, {'text': 'It was delicious!!!', 'entities': [(7, 16,
'PRODUCT')]}, {'text': 'The bartender was also nice.', 'entities': [(23, 27,
'PERSON')]}, {'text': 'I ate there twice on my last visit, and especially
enjoyed the salmon salad.', 'entities': [(12, 17, 'QUANTITY'), (51, 58, 'NORP'),
(63, 75, 'PRODUCT')]}, {'text': 'The cocktails are all handmade and delicious.',
'entities': [(4, 13, 'PRODUCT'), (35, 44, 'PRODUCT')]}, {'text': "It kept
getting worse and worse so now I'm officially done.", 'entities': [(16, 21,
'PRODUCT')]}, {'text': 'Today was my first taste of a Buldogis Gourmet Hot Dog
and I have to tell you it was more than I ever thought possible.', 'entities':
[(13, 24, 'QUANTITY'), (30, 54, 'PRODUCT')]}, {'text': 'I really enjoyed Crema
Café before they expanded. I even told friends they had the BEST breakfast.',
'entities': [(17, 27, 'PRODUCT'), (83, 87, 'PRODUCT')]}, {'text': 'We walked
away stuffed and happy about our first Vegas buffet experience.', 'entities':
[(15, 22, 'NORP'), (27, 32, 'NORP'), (43, 48, 'QUANTITY'), (49, 54, 'LOC')]},
{'text': 'As always the evening was wonderful and the food delicious!',
'entities': [(49, 58, 'PRODUCT')]}, {'text': 'Worse of all, he humiliated his
worker right in front of me..Bunch of horrible name callings.', 'entities':
[(17, 27, 'PERSON'), (70, 78, 'PERSON')]}, {'text': 'In summary, this was a
largely disappointing dining experience.', 'entities': [(23, 44, 'NORP')]},
{'text': 'Would come back again if I had a sushi craving while in Vegas.',
'entities': [(33, 38, 'PRODUCT'), (56, 61, 'LOC')]}, {'text': "One nice thing
was that they added gratuity on the bill since our party was larger than 6 or 8,
and they didn't expect more tip than that.", 'entities': [(35, 43, 'MONEY'),
(88, 94, 'QUANTITY')]}, {'text': 'Those burgers were amazing.', 'entities': [(6,
13, 'PRODUCT'), (19, 26, 'PRODUCT')]}, {'text': "The only good thing was our
waiter, he was very helpful and kept the bloddy mary's coming.", 'entities':
[(9, 19, 'PERSON'), (48, 55, 'PERSON'), (69, 82, 'PRODUCT')]}, {'text': 'Im in
AZ all the time and now have my new spot.', 'entities': [(6, 8, 'PRODUCT')]},
{'text': 'Awesome service and food.', 'entities': [(0, 15, 'PERSON')]}, {'text':
'The service was meh.', 'entities': [(16, 19, 'PRODUCT')]}, {'text': "I promise

they won't disappoint.", 'entities': [(15, 31, 'NORP')]}, {'text': "The chains, which I'm no fan of, beat this place easily.", 'entities': [(0, 10, 'PRODUCT')]}, {'text': 'The dining space is tiny, but elegantly decorated and comfortable.', 'entities': [(20, 24, 'PRODUCT'), (30, 49, 'PRODUCT'), (54, 65, 'PRODUCT')]}, {'text': 'The chips and sals a here is amazing!!!!!!!!!!!!!!!!!!!!!!!!', 'entities': [(4, 9, 'PRODUCT'), (14, 18, 'PRODUCT'), (29, 36, 'PRODUCT')]}, {'text': 'This place is like Chipotle, but BETTER.', 'entities': [(19, 27, 'PRODUCT'), (33, 39, 'PRODUCT')]}, {'text': 'I found this place by accident and I could not be happier.', 'entities': [(50, 57, 'NORP')]}, {'text': 'At least think to refill my water before I struggle to wave you over for 10 minutes.', 'entities': [(73, 83, 'TIME')]}, {'text': "I don't have very many words to say about this place, but it does everything pretty well.", 'entities': [(77, 88, 'PRODUCT')]}, {'text': 'I would definitely recommend the wings as well as the pizza.', 'entities': [(33, 38, 'PRODUCT'), (54, 59, 'PRODUCT')]}, {'text': 'Server did a great job handling our large rowdy table.', 'entities': [(13, 31, 'PERSON')]}, {'text': "I've never been treated so bad.", 'entities': [(27, 30, 'NORP')]}, {'text': 'This wonderful experience made this place a must-stop whenever we are in town again.', 'entities': [(5, 25, 'PRODUCT')]}, {'text': 'In the summer, you can dine in a charming outdoor patio - so very delightful.', 'entities': [(61, 76, 'NORP')]}, {'text': 'The cashier was friendly and even brought the food out to me.', 'entities': [(16, 24, 'PERSON')]}, {'text': 'Also, I feel like the chips are bought, not made in house.', 'entities': [(22, 27, 'PRODUCT')]}, {'text': 'The sergeant pepper beef sandwich with auju sauce is an excellent sandwich as well.', 'entities': [(4, 33, 'PRODUCT'), (39, 49, 'PRODUCT'), (56, 65, 'PRODUCT')]}, {'text': 'I want to first say our server was great and we had perfect service.', 'entities': [(24, 40, 'PERSON'), (52, 67, 'PERSON')]}, {'text': 'She ordered a toasted English muffin that came out untoasted.', 'entities': [(14, 36, 'PRODUCT'), (51, 60, 'PRODUCT')]}, {'text': 'She was quite disappointed although some blame needs to be placed at her door.', 'entities': [(8, 26, 'NORP')]}, {'text': 'All in all an excellent restaurant highlighted by great service, a unique menu, and a beautiful setting.', 'entities': [(50, 63, 'NORP'), (67, 78, 'PRODUCT'), (86, 103, 'PRODUCT')]}, {'text': 'No one at the table thought the food was above average or worth the wait that we had for it.', 'entities': [(41, 54, 'CARDINAL')]}, {'text': 'We enjoy their pizza and brunch.', 'entities': [(3, 8, 'NORP'), (15, 20, 'PRODUCT')]}, {'text': 'RUDE & INCONSIDERATE MANAGEMENT.', 'entities': [(0, 20, 'PERSON')]}, {'text': 'I had a salad with the wings, and some ice cream for dessert and left feeling quite satisfied.', 'entities': [(8, 13, 'PRODUCT'), (23, 28, 'PRODUCT'), (39, 48, 'PRODUCT'), (78, 93, 'NORP')]}, {'text': 'My boyfriend and I came here for the first time on a recent trip to Vegas and could not have been more pleased with the quality of food and service.', 'entities': [(68, 73, 'LOC'), (98, 110, 'NORP')]}, {'text': 'Things that went wrong: - They burned the saganaki.', 'entities': [(31, 37, 'PRODUCT'), (42, 50, 'PRODUCT')]}, {'text': 'Crostini that came with the salad was stale.', 'entities': [(0, 8, 'PRODUCT'), (28, 33, 'PRODUCT'), (38, 43, 'PRODUCT')]}, {'text': "They will customize your order any way you'd like, my usual is Eggplant with Green Bean stir fry, love it!", 'entities': [(63, 71, 'PRODUCT'), (77, 96, 'PRODUCT'), (98, 105, 'NORP')]}, {'text': "I gave it 5 stars then, and

I'm giving it 5 stars now.", 'entities': [(10, 17, 'CARDINAL'), (42, 49, 'CARDINAL')]}, {'text': 'This place is horrible and way overpriced.', 'entities': [(14, 22, 'PRODUCT'), (31, 41, 'MONEY')]}, {'text': 'I guess maybe we went on an off night but it was disgraceful.', 'entities': [(49, 60, 'PRODUCT')]}, {'text': 'Highly unprofessional and rude to a loyal patron!', 'entities': [(0, 21, 'PERSON'), (26, 30, 'PERSON')]}, {'text': 'Your servers suck, wait, correction, our server Heimer sucked.', 'entities': [(55, 61, 'PERSON')]}, {'text': "Maybe if they weren't cold they would have been somewhat edible.", 'entities': [(22, 26, 'PRODUCT')]}, {'text': 'Of all the dishes, the salmon was the best, but all were great.', 'entities': [(23, 29, 'PRODUCT'), (38, 42, 'PRODUCT')]}, {'text': 'Kind of hard to mess up a steak but they did.', 'entities': [(16, 23, 'PRODUCT'), (26, 31, 'PRODUCT')]}, {'text': 'It was a bit too sweet, not really spicy enough, and lacked flavor.', 'entities': [(13, 22, 'PRODUCT'), (24, 40, 'PRODUCT'), (53, 66, 'PRODUCT')]}, {'text': 'These were so good we ordered them twice.', 'entities': [(22, 40, 'QUANTITY')]}, {'text': "Coming here is like experiencing an underwhelming relationship where both parties can't wait for the other person to ask to break up.", 'entities': [(36, 62, 'NORP')]}, {'text': 'We had 7 at our table and the service was pretty fast.', 'entities': [(7, 8, 'QUANTITY'), (42, 53, 'PERSON')]}, {'text': 'The restaurant is very clean and has a family restaurant feel to it.', 'entities': [(18, 28, 'PRODUCT')]}, {'text': '"It was extremely ""crumby"" and pretty tasteless."', 'entities': [(20, 28, 'PRODUCT'), (33, 49, 'PRODUCT')]}, {'text': 'Hot dishes are not hot, cold dishes are close to room temp.I watched staff prepare food with BARE HANDS, no gloves.Everything is deep fried in oil.', 'entities': [(15, 22, 'PRODUCT'), (93, 103, 'PERSON')]}, {'text': "I like Steiners because it's dark and it feels like a bar.", 'entities': [(7, 15, 'PRODUCT'), (29, 33, 'PRODUCT'), (54, 57, 'PRODUCT')]}, {'text': 'What SHOULD have been a hilarious, yummy Christmas Eve dinner to remember was the biggest fail of the entire trip for us.', 'entities': [(35, 40, 'PRODUCT'), (82, 94, 'PRODUCT')]}, {'text': 'My side Greek salad with the Greek dressing was so tasty, and the pita and hummus was very refreshing.', 'entities': [(8, 19, 'PRODUCT'), (29, 43, 'PRODUCT'), (48, 56, 'PRODUCT'), (66, 70, 'PRODUCT'), (75, 81, 'PRODUCT'), (86, 101, 'PRODUCT')]}, {'text': 'Disappointing experience.', 'entities': [(0, 24, 'NORP')]}, {'text': 'The staff is always super friendly and helpful, which is especially cool when you bring two small boys and a baby!', 'entities': [(20, 34, 'PERSON'), (39, 46, 'PERSON'), (88, 102, 'QUANTITY')]}, {'text': "REAL sushi lovers, let's be honest - Yama is not that good.", 'entities': [(5, 10, 'PRODUCT'), (37, 41, 'PRODUCT')]}, {'text': "I'm not sure how long we stood there but it was long enough for me to begin to feel awkwardly out of place.", 'entities': [(79, 93, 'NORP')]}, {'text': '"As for the ""mains,"" also uninspired."', 'entities': [(28, 38, 'PRODUCT')]}, {'text': 'The waitresses are very friendly.', 'entities': [(19, 32, 'PERSON')]}, {'text': 'Omelets are to die for!', 'entities': [(0, 7, 'PRODUCT')]}, {'text': 'The food was barely lukewarm, so it must have been sitting waiting for the server to bring it out to us.', 'entities': [(13, 28, 'PRODUCT')]}, {'text': "I don't have to be an accountant to know I'm getting screwed!", 'entities': [(53, 60, 'NORP')]}, {'text': 'I got home to see the driest damn wings ever!', 'entities': [(22, 28, 'PRODUCT'), (34, 39, 'PRODUCT')]}, {'text': 'Perfect for someone (me)

who only likes beer ice cold, or in this case, even colder.', 'entities': [(40, 44, 'PRODUCT'), (45, 53, 'PRODUCT'), (77, 83, 'PRODUCT')]}, {'text': 'The scallop dish is quite appalling for value as well.', 'entities': [(4, 16, 'PRODUCT'), (20, 35, 'NORP')]}, {'text': 'I asked multiple times for the wine list and after some time of being ignored I went to the hostess and got one myself.', 'entities': [(31, 35, 'PRODUCT'), (64, 77, 'PERSON')]}, {'text': 'Gave up trying to eat any of the crust (teeth still sore).', 'entities': [(33, 38, 'PRODUCT')]}, {'text': 'I was so insulted.', 'entities': [(9, 17, 'NORP')]}, {'text': "It shouldn't take 30 min for pancakes and eggs.", 'entities': [(18, 24, 'TIME'), (29, 37, 'PRODUCT'), (42, 46, 'PRODUCT')]}, {'text': "If someone orders two tacos don't' you think it may be part of customer service to ask if it is combo or ala cart?", 'entities': [(18, 27, 'QUANTITY')]}, {'text': "I live in the neighborhood so I am disappointed I won't be back here, because it is a convenient location.", 'entities': [(35, 47, 'NORP')]}, {'text': 'Thoroughly disappointed!', 'entities': [(0, 23, 'NORP')]}, {'text': 'You get incredibly fresh fish, prepared with care.', 'entities': [(8, 18, 'PRODUCT'), (19, 29, 'PRODUCT')]}, {'text': 'The owner used to work at Nobu, so this place is really similar for half the price.', 'entities': [(26, 30, 'PRODUCT'), (68, 82, 'MONEY')]}, {'text': 'I immediately said I wanted to talk to the manager but I did not want to talk to the guy who was doing shots of fireball behind the bar.', 'entities': [(103, 120, 'PRODUCT')]}, {'text': 'The Greek dressing was very creamy and flavorful.', 'entities': [(4, 18, 'PRODUCT'), (28, 34, 'PRODUCT'), (39, 48, 'PRODUCT')]}, {'text': "I wasn't really impressed with Strip Steak.", 'entities': [(2, 25, 'NORP'), (31, 42, 'PRODUCT')]}, {'text': 'I got to enjoy the seafood salad, with a fabulous vinegrette.', 'entities': [(9, 14, 'NORP'), (19, 32, 'PRODUCT'), (41, 49, 'PRODUCT'), (50, 60, 'PRODUCT')]}, {'text': '"The burger… I got the ""Gold Standard"" a $17 burger and was kind of disappointed."', 'entities': [(5, 11, 'PRODUCT'), (27, 42, 'PRODUCT'), (45, 48, 'MONEY'), (72, 84, 'NORP')]}, {'text': 'I left with a stomach ache and felt sick the rest of the day.', 'entities': [(31, 40, 'NORP')]}, {'text': 'He deserves 5 stars.', 'entities': [(12, 19, 'CARDINAL')]}, {'text': 'The waitress and manager are so friendly.', 'entities': [(32, 40, 'PERSON')]}, {'text': 'The classic Maine Lobster Roll was fantastic.', 'entities': [(4, 30, 'PRODUCT'), (35, 44, 'PRODUCT')]}, {'text': "At least 40min passed in between us ordering and the food arriving, and it wasn't that busy.", 'entities': [(9, 14, 'TIME')]}, {'text': 'Total brunch fail.', 'entities': [(13, 17, 'PRODUCT')]}, {'text': 'The menu had so much good stuff on it i could not decide!', 'entities': [(21, 31, 'PRODUCT')]}, {'text': "Hard to judge whether these sides were good because we were grossed out by the melted styrofoam and didn't want to eat it for fear of getting sick.", 'entities': [(126, 130, 'NORP'), (134, 146, 'NORP')]}, {'text': '!…THE OWNERS REALLY REALLY need to quit being soooooo cheap let them wrap my freaking sandwich in two papers not one!', 'entities': [(49, 62, 'PERSON'), (89, 97, 'PRODUCT'), (101, 119, 'QUANTITY')]}, {'text': 'The service here leaves a lot to be desired.', 'entities': [(36, 43, 'NORP')]}, {'text': 'Kids pizza is always a hit too with lots of great side dish options for the kiddos!', 'entities': [(0, 10, 'PRODUCT'), (14, 26, 'PRODUCT')]}, {'text': 'This place lacked style!!', 'entities': [(11, 23, 'PRODUCT')]}, {'text': "Friend's pasta -- also bad, he barely touched it.", 'entities': [(9,

14, 'PRODUCT'), (23, 26, 'PRODUCT')]}, {'text': 'I can take a little bad service but the food sucks.', 'entities': [(13, 31, 'PERSON'), (40, 50, 'PRODUCT')]}, {'text': 'Everything on the menu is terrific and we were also thrilled that they made amazing accommodations for our vegetarian daughter.', 'entities': [(26, 34, 'PRODUCT'), (52, 60, 'NORP'), (76, 98, 'PERSON')]}, {'text': 'I swung in to give them a try but was deeply disappointed.', 'entities': [(38, 58, 'NORP')]}, {'text': "It'll be a regular stop on my trips to Phoenix!", 'entities': [(39, 46, 'LOC')]}, {'text': 'The menu is always changing, food quality is going down & service is extremely slow.', 'entities': [(45, 55, 'PRODUCT'), (69, 83, 'PERSON')]}, {'text': 'Service was excellent and prices are pretty reasonable considering this is Vegas and located inside the Crystals shopping mall by Aria.', 'entities': [(12, 21, 'PERSON'), (37, 54, 'MONEY'), (75, 80, 'LOC'), (130, 135, 'PRODUCT')]}, {'text': 'I had a pretty satifying experience.', 'entities': [(8, 35, 'NORP')]}, {'text': 'The owners are super friendly and the staff is courteous.', 'entities': [(15, 33, 'PERSON'), (47, 56, 'PERSON')]}, {'text': "I guess I should have known that this place would suck, because it is inside of the Excalibur, but I didn't use my common sense.", 'entities': [(84, 93, 'PRODUCT')]}, {'text': 'Both of the egg rolls were fantastic.', 'entities': [(0, 4, 'QUANTITY'), (12, 26, 'PRODUCT'), (27, 36, 'PRODUCT')]}, {'text': 'The fried rice was dry as well.', 'entities': [(4, 14, 'PRODUCT'), (19, 22, 'PRODUCT')]}, {'text': "Based on the sub-par service I received and no effort to show their gratitude for my business I won't be going back.", 'entities': [(13, 28, 'PERSON'), (68, 77, 'NORP')]}, {'text': 'Food was really boring.', 'entities': [(9, 22, 'NORP')]}, {'text': 'Service sucks.', 'entities': [(0, 13, 'PERSON')]}, {'text': 'So absolutley fantastic.', 'entities': [(3, 23, 'PRODUCT')]}, {'text': 'The food, amazing.', 'entities': [(10, 17, 'PRODUCT')]}, {'text': 'The steak and the shrimp are in my opinion the best entrees at GC.', 'entities': [(4, 9, 'PRODUCT'), (18, 24, 'PRODUCT'), (47, 51, 'PRODUCT'), (63, 65, 'PRODUCT')]}, {'text': 'I tried the Cape Cod ravoli, chicken, with cranberry…mmmm!', 'entities': [(12, 27, 'PRODUCT'), (29, 36, 'PRODUCT'), (43, 52, 'PRODUCT'), (55, 59, 'PRODUCT')]}, {'text': 'very slow at seating even with reservation.', 'entities': [(0, 9, 'PERSON')]}, {'text': "too bad cause I know it's family owned, I really wanted to like this place.", 'entities': [(0, 7, 'PRODUCT')]}, {'text': "I ordered the Voodoo pasta and it was the first time I'd had really excellent pasta since going gluten free several years ago.", 'entities': [(14, 26, 'PRODUCT'), (42, 52, 'TIME'), (68, 77, 'PRODUCT'), (78, 83, 'PRODUCT')]}, {'text': 'Terrible service!', 'entities': [(0, 16, 'PERSON')]}, {'text': 'The decor is nice, and the piano music soundtrack is pleasant.', 'entities': [(13, 17, 'PRODUCT'), (53, 62, 'PRODUCT')]}, {'text': 'It was awesome.', 'entities': [(7, 14, 'PRODUCT')]}, {'text': 'This is a really fantastic Thai restaurant which is definitely worth a visit.', 'entities': [(10, 26, 'PRODUCT'), (27, 42, 'PRODUCT')]}, {'text': 'The ambience is wonderful and there is music playing.', 'entities': [(16, 25, 'PRODUCT')]}, {'text': 'Love the margaritas, too!', 'entities': [(9, 19, 'PRODUCT')]}, {'text': 'Very disappointing!!!', 'entities': [(0, 18, 'NORP')]}, {'text': 'Service stinks here!', 'entities': [(0, 14, 'PERSON')]}, {'text': 'Food was delicious!', 'entities': [(9, 18, 'PRODUCT')]}, {'text': 'This place receives stars for their APPETIZERS!!!', 'entities': [(36, 46, 'PRODUCT')]}, {'text': "You won't be

disappointed.", 'entities': [(4, 26, 'NORP')]}, {'text': 'I am far from a sushi connoisseur but I can definitely tell the difference between good food and bad food and this was certainly bad food.', 'entities': [(16, 33, 'PRODUCT'), (129, 137, 'PRODUCT')]}, {'text': 'The WORST EXPERIENCE EVER.', 'entities': [(4, 20, 'PRODUCT')]}, {'text': 'Tasted like dirt.', 'entities': [(12, 16, 'PRODUCT')]}, {'text': 'Great place to eat, reminds me of the little mom and pop shops in the San Francisco Bay Area.', 'entities': [(38, 48, 'PRODUCT'), (53, 62, 'PRODUCT'), (70, 92, 'LOC')]}, {'text': 'Now the pizza itself was good the peanut sauce was very tasty.', 'entities': [(8, 13, 'PRODUCT'), (25, 29, 'PRODUCT'), (34, 46, 'PRODUCT'), (51, 61, 'PRODUCT')]}, {'text': 'Great Pizza and Salads!', 'entities': [(0, 5, 'PRODUCT'), (6, 11, 'PRODUCT'), (16, 22, 'PRODUCT')]}, {'text': 'The meat was pretty dry, I had the sliced brisket and pulled pork.', 'entities': [(4, 8, 'PRODUCT'), (13, 23, 'PRODUCT'), (35, 49, 'PRODUCT'), (54, 65, 'PRODUCT')]}, {'text': 'After one bite, I was hooked.', 'entities': [(6, 14, 'QUANTITY'), (22, 28, 'NORP')]}, {'text': "Ryan's Bar is definitely one Edinburgh establishment I won't be revisiting.", 'entities': [(0, 10, 'PRODUCT')]}, {'text': 'On three different occasions I asked for well done or medium well, and all three times I got the bloodiest piece of meat on my plate.', 'entities': [(3, 28, 'QUANTITY'), (75, 86, 'QUANTITY'), (97, 106, 'PRODUCT'), (116, 120, 'PRODUCT')]}, {'text': 'Overall I was not impressed and would not go back.', 'entities': [(14, 27, 'NORP')]}, {'text': "(It wasn't busy either) Also, the building was FREEZING cold.", 'entities': [(47, 60, 'PRODUCT')]}, {'text': 'Service is friendly and inviting.', 'entities': [(11, 19, 'PERSON'), (24, 32, 'PERSON')]}, {'text': 'Although I very much liked the look and sound of this place, the actual experience was a bit disappointing.', 'entities': [(89, 106, 'NORP')]}, {'text': 'This place has a lot of promise but fails to deliver.', 'entities': [(36, 52, 'PRODUCT')]}, {'text': 'My boyfriend tried the Mediterranean Chicken Salad and fell in love.', 'entities': [(23, 54, 'PRODUCT'), (63, 67, 'NORP')]}, {'text': 'If you love authentic Mexican food and want a whole bunch of interesting, yet delicious meats to choose from, you need to try this place.', 'entities': [(7, 11, 'NORP'), (12, 21, 'PRODUCT'), (22, 34, 'PRODUCT'), (61, 72, 'NORP'), (78, 87, 'PRODUCT'), (88, 93, 'PRODUCT')]}, {'text': "I'll take my business dinner dollars elsewhere.", 'entities': [(13, 36, 'MONEY')]}, {'text': 'Tried to go here for lunch and it was a madhouse.', 'entities': [(40, 48, 'NORP')]}, {'text': 'No allergy warnings on the menu, and the waitress had absolutely no clue as to which meals did or did not contain peanuts.', 'entities': [(114, 121, 'PRODUCT')]}, {'text': 'The steak was amazing…rge fillet relleno was the best seafood plate i have ever had!', 'entities': [(4, 9, 'PRODUCT'), (14, 21, 'PRODUCT'), (24, 42, 'PRODUCT'), (51, 55, 'PRODUCT')]}, {'text': 'seems like a good quick place to grab a bite of some familiar pub food, but do yourself a favor and look elsewhere.', 'entities': [(62, 70, 'PRODUCT')]}, {'text': "I also had to taste my Mom's multi-grain pumpkin pancakes with pecan butter and they were amazing, fluffy, and delicious!", 'entities': [(29, 57, 'PRODUCT'), (63, 75, 'PRODUCT'), (90, 97, 'PRODUCT'), (99, 105, 'PRODUCT'), (111, 120, 'PRODUCT')]}, {'text': "Furthermore, you can't even find hours of operation on the website!", 'entities': [(33, 51, 'TIME')]}, {'text': 'Ordered an appetizer and took 40 minutes and then the pizza another 10 minutes.', 'entities': [(11, 20,

'PRODUCT'), (30, 40, 'TIME'), (54, 59, 'PRODUCT'), (68, 78, 'TIME')]}, {'text': 'I love the Pho and the spring rolls oh so yummy you have to try.', 'entities': [(11, 14, 'PRODUCT'), (23, 35, 'PRODUCT'), (39, 47, 'PRODUCT')]}, {'text': 'Pretty good beer selection too.', 'entities': [(0, 11, 'PRODUCT'), (12, 16, 'PRODUCT')]}, {'text': "I as well would've given godfathers zero stars if possible.", 'entities': [(25, 35, 'PRODUCT'), (36, 46, 'CARDINAL')]}, {'text': 'I could eat their bruschetta all day it is devine.', 'entities': [(18, 28, 'PRODUCT'), (43, 49, 'NORP')]}, {'text': 'A couple of months later, I returned and had an amazing meal.', 'entities': [(48, 55, 'PRODUCT')]}, {'text': "This isn't a small family restaurant, this is a fine dining establishment.", 'entities': [(48, 59, 'PRODUCT')]}, {'text': 'Nice, spicy and tender.', 'entities': [(0, 4, 'PRODUCT'), (6, 11, 'PRODUCT'), (16, 22, 'PRODUCT')]}, {'text': 'Every time I eat here, I see caring teamwork to a professional degree.', 'entities': [(29, 44, 'PERSON'), (50, 69, 'PERSON')]}, {'text': 'Be sure to order dessert, even if you need to pack it to-go – the tiramisu and cannoli are both to die for.', 'entities': [(17, 24, 'PRODUCT'), (66, 74, 'PRODUCT'), (79, 86, 'PRODUCT'), (99, 106, 'NORP')]}, {'text': 'The food was terrible.', 'entities': [(13, 21, 'PRODUCT')]}, {'text': 'The staff are also very friendly and efficient.', 'entities': [(24, 32, 'PERSON'), (37, 46, 'PERSON')]}, {'text': 'It was pretty gross!', 'entities': [(7, 19, 'PRODUCT')]}, {'text': 'Ordered a double cheeseburger & got a single patty that was falling apart (picture uploaded) Yeah, still sucks.', 'entities': [(10, 16, 'QUANTITY'), (17, 29, 'PRODUCT'), (38, 44, 'QUANTITY'), (45, 50, 'PRODUCT'), (105, 110, 'NORP')]}, {'text': 'Before I go in to why I gave a 1 star rating please know that this was my third time eating at Bachi burger before writing a review.', 'entities': [(31, 44, 'CARDINAL'), (74, 84, 'TIME'), (95, 107, 'PRODUCT')]}, {'text': 'The staff are now not as friendly, the wait times for being served are horrible, no one even says hi for the first 10 minutes.', 'entities': [(18, 33, 'PERSON'), (71, 79, 'PERSON'), (115, 125, 'TIME')]}, {'text': "These are the nicest restaurant owners I've ever come across.", 'entities': [(14, 20, 'PRODUCT')]}, {'text': "The servers are not pleasant to deal with and they don't always honor Pizza Hut coupons.", 'entities': [(16, 28, 'PERSON'), (51, 69, 'PERSON'), (70, 79, 'PRODUCT')]}, {'text': 'Their steaks are 100% recommended!', 'entities': [(6, 12, 'PRODUCT'), (17, 21, 'QUANTITY')]}, {'text': 'Great food for the price, which is very high quality and house made.', 'entities': [(0, 10, 'PRODUCT'), (40, 52, 'PRODUCT'), (57, 67, 'PRODUCT')]}, {'text': 'Food was average at best.', 'entities': [(9, 16, 'PRODUCT')]}, {'text': 'Our waiter was very attentive, friendly, and informative.', 'entities': [(20, 29, 'PERSON'), (31, 40, 'PERSON'), (45, 56, 'PERSON')]}, {'text': 'After 20 minutes wait, I got a table.', 'entities': [(6, 16, 'TIME')]}, {'text': 'The vanilla ice cream was creamy and smooth while the profiterole (choux) pastry was fresh enough.', 'entities': [(4, 21, 'PRODUCT'), (26, 32, 'PRODUCT'), (37, 43, 'PRODUCT'), (54, 80, 'PRODUCT'), (85, 90, 'PRODUCT')]}, {'text': "Now the burgers aren't as good, the pizza which used to be amazing is doughy and flavorless.", 'entities': [(8, 15, 'PRODUCT'), (36, 41, 'PRODUCT'), (70, 76, 'PRODUCT'), (81, 91, 'PRODUCT')]}, {'text': 'you can watch them preparing the delicious food!)', 'entities': [(33, 42, 'PRODUCT')]}, {'text': "If it were possible to give them zero stars, they'd have it.", 'entities': [(33, 43, 'CARDINAL')]}, {'text': 'If that bug never

showed up I would have given a 4 for sure, but on the other side of the wall where this bug was climbing was the kitchen.', 'entities': [(49, 50, 'CARDINAL')]}, {'text': "It's a great place and I highly recommend it.", 'entities': [(7, 18, 'PRODUCT')]}, {'text': 'He was extremely rude and really, there are so many other restaurants I would love to dine at during a weekend in Vegas.', 'entities': [(7, 21, 'PERSON'), (114, 119, 'LOC')]}, {'text': 'Not much seafood and like 5 strings of pasta at the bottom.', 'entities': [(9, 16, 'PRODUCT'), (26, 35, 'QUANTITY'), (39, 44, 'PRODUCT')]}, {'text': 'So flavorful and has just the perfect amount of heat.', 'entities': [(3, 12, 'PRODUCT'), (30, 44, 'QUANTITY')]}, {'text': 'But then they came back cold.', 'entities': [(24, 28, 'PRODUCT')]}, {'text': 'Last night was my second time dining here and I was so happy I decided to go back!', 'entities': [(18, 29, 'TIME'), (52, 60, 'NORP')]}, {'text': 'Service was fine and the waitress was friendly.', 'entities': [(12, 16, 'PERSON'), (38, 46, 'PERSON')]}, {'text': 'Waited 2 hours & never got either of our pizzas as many other around us who came in later did!', 'entities': [(7, 14, 'TIME'), (41, 47, 'PRODUCT')]}, {'text': 'Great place to relax and have an awesome burger and beer.', 'entities': [(0, 11, 'PRODUCT'), (15, 20, 'NORP'), (33, 40, 'PRODUCT'), (41, 47, 'PRODUCT'), (52, 56, 'PRODUCT')]}, {'text': "I just don't know how this place managed to served the blandest food I have ever eaten when they are preparing Indian cuisine.", 'entities': [(55, 63, 'PRODUCT'), (111, 125, 'PRODUCT')]}, {'text': 'Much better than the other AYCE sushi place I went to in Vegas.', 'entities': [(27, 43, 'PRODUCT'), (57, 62, 'LOC')]}, {'text': 'I got food poisoning here at the buffet.', 'entities': [(6, 20, 'PRODUCT')]}, {'text': 'This one is simply a disappointment.', 'entities': [(21, 35, 'NORP')]}, {'text': "The building itself seems pretty neat, the bathroom is pretty trippy, but I wouldn't eat here again.", 'entities': [(26, 37, 'PRODUCT'), (55, 68, 'PRODUCT')]}, {'text': 'Cute, quaint, simple, honest.', 'entities': [(0, 4, 'PRODUCT'), (6, 12, 'PRODUCT'), (14, 20, 'PRODUCT'), (22, 28, 'PRODUCT')]}, {'text': 'Great atmosphere, friendly and fast service.', 'entities': [(0, 16, 'PRODUCT'), (18, 26, 'PERSON'), (31, 43, 'PERSON')]}, {'text': 'Soggy and not good.', 'entities': [(0, 5, 'PRODUCT'), (10, 18, 'PRODUCT')]}, {'text': "Plus, it's only 8 bucks.", 'entities': [(16, 23, 'MONEY')]}, {'text': 'I can say that the desserts were yummy.', 'entities': [(19, 27, 'PRODUCT'), (33, 38, 'PRODUCT')]}, {'text': 'The staff are great, the ambiance is great.', 'entities': [(14, 19, 'PERSON'), (37, 42, 'PRODUCT')]}, {'text': 'Very convenient, since we were staying at the MGM!', 'entities': [(5, 15, 'PRODUCT'), (46, 49, 'LOC')]}, {'text': 'Mediocre food.', 'entities': [(0, 8, 'PRODUCT')]}, {'text': 'Best tacos in town by far!!', 'entities': [(0, 4, 'PRODUCT'), (5, 10, 'PRODUCT')]}, {'text': '"the food is not tasty at all, not to say its ""real traditional Hunan style""."', 'entities': [(13, 22, 'PRODUCT'), (53, 78, 'PRODUCT')]}, {'text': 'He also came back to check on us regularly, excellent service.', 'entities': [(44, 61, 'PERSON')]}, {'text': 'Everything was gross.', 'entities': [(15, 20, 'PRODUCT')]}, {'text': 'The chips that came out were dripping with grease, and mostly not edible.', 'entities': [(4, 9, 'PRODUCT'), (29, 49, 'PRODUCT'), (62, 72, 'PRODUCT')]}, {'text': "Sadly, Gordon Ramsey's Steak is a place we shall sharply avoid during our next trip to Vegas.", 'entities': [(7, 28, 'PRODUCT'), (87, 92, 'LOC')]}, {'text': 'My ribeye steak was cooked perfectly and had great mesquite flavor.',

'entities': [(3, 19, 'PRODUCT'), (20, 36, 'PRODUCT'), (45, 66, 'PRODUCT')]},
{'text': 'The service was extremely slow.', 'entities': [(16, 30, 'PERSON')]},
{'text': 'I work in the hospitality industry in Paradise Valley and have
refrained from recommending Cibo any longer.', 'entities': [(38, 53, 'LOC'),
(91, 95, 'PRODUCT')]}, {'text': "I probably won't be back, to be honest.",
'entities': [(32, 38, 'NORP')]}, {'text': 'Food was below average.', 'entities':
[(9, 22, 'PRODUCT')]}, {'text': 'Interesting decor.', 'entities': [(0, 17,
'PRODUCT')]}, {'text': 'Anyway, this FS restaurant has a wonderful
breakfast/lunch.', 'entities': [(13, 26, 'PRODUCT'), (33, 42, 'PRODUCT')]},
{'text': 'Left very frustrated.', 'entities': [(5, 20, 'NORP')]}, {'text':
"Couldn't ask for a more satisfying meal.", 'entities': [(19, 34, 'NORP')]},
{'text': 'They also have the best cheese crisp in town.', 'entities': [(19, 23,
'PRODUCT'), (24, 36, 'PRODUCT')]}, {'text': 'But now I was completely grossed
out.', 'entities': [(25, 36, 'NORP')]}, {'text': 'the spaghetti is nothing
special whatsoever.', 'entities': [(4, 13, 'PRODUCT'), (17, 32, 'PRODUCT')]},
{'text': 'The poor batter to meat ratio made the chicken tenders very
unsatisfying.', 'entities': [(4, 8, 'PRODUCT'), (9, 15, 'PRODUCT'), (19, 23,
'PRODUCT'), (39, 54, 'PRODUCT'), (60, 72, 'NORP')]}, {'text': 'To summarize…
the food was incredible, nay, transcendant… but nothing brings me joy quite
like the memory of the pneumatic condiment dispenser.', 'entities': [(29, 39,
'PRODUCT'), (41, 44, 'PRODUCT'), (46, 58, 'PRODUCT'), (84, 87, 'NORP'), (117,
126, 'PRODUCT'), (127, 136, 'PRODUCT')]}]}

0.3.4 Configuration variables

```
[55]: modelSpacy = None
      n_iter=100
```

0.3.5 Load the model

```
[56]: if modelSpacy is not None:
          nlp = spacy.load(modelSpacy)
          print("Loaded model '%s'" % modelSpacy)
      else:
          nlp = spacy.blank('en')
          print("Created blank 'en' model")
```

```
Created blank 'en' model
```

0.3.6 Set up pipeline

```
[57]: if 'ner' not in nlp.pipe_names:
          ner = nlp.add_pipe('ner')
      else:
          ner = nlp.get_pipe('ner')
```

0.3.7 Train the NER model

```python
from tqdm import tqdm
from spacy.training import Example

# Initialize optimizer
optimizer = nlp.begin_training()

# Print total number of annotations and count None entries
total_annotations = len(data["annotations"])
none_count = sum(1 for annotation in data["annotations"] if annotation is None)

print(f"Total annotations: {total_annotations}, None entries: {none_count}")

# Filter None values
filtered_annotations = [annotation for annotation in data["annotations"] if
 annotation is not None]

for itn in range(n_iter):
    losses = {}
    for annotation in tqdm(filtered_annotations):  # Use the filtered
 annotations
        if len(annotation) == 2:
            text = annotation[0]
            annotations = annotation[1]

            # Check if annotations has 'entities'
            if isinstance(annotations, dict) and 'entities' in annotations:
                if text:  # Ensure text is not empty
                    try:
                        example = Example.from_dict(nlp.make_doc(text),
 annotations)
                        # Update model
                        nlp.update(
                            [example],
                            drop=0.5,
                            sgd=optimizer,
                            losses=losses
                        )
                    except Exception as e:
                        print(f"Error updating model: {e}")
            else:
                print(f"Invalid annotation format for text '{text}':
 {annotations}")
        else:
            print(f"Skipping invalid annotation: {annotation}")
```

```
    print(losses)
```

Total annotations: 501, None entries: 94

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{'ner': 210.38520883924662}
```

0.3.8 Test the trained model

```python
[59]: for annotations in training_data["annotations"]:
          doc = nlp(annotations['text'])
          print('Entities', [(ent.text, ent.label_) for ent in doc.ents])
          print('Tokens', [(t.text, t.ent_type_, t.ent_iob) for t in doc])
```

```
Entities [('filling meals', 'PRODUCT')]
Tokens [('CONCLUSION', '', 2), (':', '', 2), ('Very', '', 2), ('filling',
'PRODUCT', 3), ('meals', 'PRODUCT', 1), ('.', '', 2)]
Entities [('amazing', 'PRODUCT')]
Tokens [('The', '', 2), ('block', '', 2), ('was', '', 2), ('amazing', 'PRODUCT',
3), ('.', '', 2)]
Entities [('Mexican street tacos', 'PRODUCT')]
Tokens [('This', '', 2), ('hole', '', 2), ('in', '', 2), ('the', '', 2),
('wall', '', 2), ('has', '', 2), ('great', '', 2), ('Mexican', 'PRODUCT', 3),
('street', 'PRODUCT', 1), ('tacos', 'PRODUCT', 1), (',', '', 2), ('and', '', 2),
('friendly', '', 2), ('staff', '', 2), ('.', '', 2)]
Entities [('good', 'PRODUCT'), ('rice', 'PRODUCT')]
Tokens [('-', '', 2), ('Really', '', 2), (',', '', 2), ('really', '', 2),
('good', 'PRODUCT', 3), ('rice', 'PRODUCT', 3), (',', '', 2), ('all', '', 2),
('the', '', 2), ('time', '', 2), ('.', '', 2)]
Entities [('loved', 'PRODUCT'), ('salmon tartar', 'PRODUCT')]
Tokens [('My', '', 2), ('friend', '', 2), ('loved', 'PRODUCT', 3), ('the', '',
2), ('salmon', 'PRODUCT', 3), ('tartar', 'PRODUCT', 1), ('.', '', 2)]
Entities [('airline food', 'PRODUCT')]
Tokens [('I', '', 2), ('"d"', '', 2), ('rather', '', 2), ('eat', '', 2),
('airline', 'PRODUCT', 3), ('food', 'PRODUCT', 1), (',', '', 2), ('seriously',
'', 2), ('.', '', 2)]
Entities [('flavor', 'PRODUCT'), ('texture', 'PRODUCT')]
Tokens [('I', '', 2), ('think', '', 2), ('food', '', 2), ('should', '', 2),
```

('have', '', 2), ('flavor', 'PRODUCT', 3), ('and', '', 2), ('texture',
'PRODUCT', 3), ('and', '', 2), ('both', '', 2), ('were', '', 2), ('lacking', '',
2), ('.', '', 2)]
Entities [('zero stars', 'CARDINAL'), ('zero stars', 'CARDINAL')]
Tokens [('If', '', 2), ('there', '', 2), ('were', '', 2), ('zero', 'CARDINAL',
3), ('stars', 'CARDINAL', 1), ('I', '', 2), ('would', '', 2), ('give', '', 2),
('it', '', 2), ('zero', 'CARDINAL', 3), ('stars', 'CARDINAL', 1), ('.', '', 2)]
Entities [('Service is perfect', 'PERSON'), ('family atmosphere', 'PRODUCT')]
Tokens [('Service', 'PERSON', 3), ('is', 'PERSON', 1), ('perfect', 'PERSON', 1),
('and', '', 2), ('the', '', 2), ('family', 'PRODUCT', 3), ('atmosphere',
'PRODUCT', 1), ('is', '', 2), ('nice', '', 2), ('to', '', 2), ('see', '', 2),
('.', '', 2)]
Entities [('5 tastings', 'QUANTITY'), ('2 drinks', 'QUANTITY')]
Tokens [('The', '', 2), ('deal', '', 2), ('included', '', 2), ('5', 'QUANTITY',
3), ('tastings', 'QUANTITY', 1), ('and', '', 2), ('2', 'QUANTITY', 3),
('drinks', 'QUANTITY', 1), (',', '', 2), ('and', '', 2), ('Jeff', '', 2),
('went', '', 2), ('above', '', 2), ('and', '', 2), ('beyond', '', 2), ('what',
'', 2), ('we', '', 2), ('expected', '', 2), ('.', '', 2)]
Entities [('good', 'PERSON')]
Tokens [('Waitress', '', 2), ('was', '', 2), ('good', 'PERSON', 3), ('though',
'', 2), ('!', '', 2)]
Entities [('massive', 'QUANTITY'), ('meatloaf sandwich', 'PRODUCT'), ('crispy
chicken wrap', 'PRODUCT'), ('delish tuna melt', 'PRODUCT'), ('tasty burgers',
'PRODUCT')]
Tokens [('They', '', 2), ('have', '', 2), ('a', '', 2), ('good', '', 2),
('selection', '', 2), ('of', '', 2), ('food', '', 2), ('including', '', 2),
('a', '', 2), ('massive', 'QUANTITY', 3), ('meatloaf', 'PRODUCT', 3),
('sandwich', 'PRODUCT', 1), (',', '', 2), ('a', '', 2), ('crispy', 'PRODUCT',
3), ('chicken', 'PRODUCT', 1), ('wrap', 'PRODUCT', 1), (',', '', 2), ('a', '',
2), ('delish', 'PRODUCT', 3), ('tuna', 'PRODUCT', 1), ('melt', 'PRODUCT', 1),
('and', '', 2), ('some', '', 2), ('tasty', 'PRODUCT', 3), ('burgers', 'PRODUCT',
1), ('.', '', 2)]
Entities [('poor', 'PRODUCT')]
Tokens [('The', '', 2), ('service', '', 2), ('was', '', 2), ('poor', 'PRODUCT',
3), ('and', '', 2), ('that', '', 2), ('s', '', 2), ('being', '', 2), ('nice',
'', 2), ('.', '', 2)]
Entities [('tasty', 'PRODUCT'), ('Pho', 'PRODUCT')]
Tokens [('The', '', 2), ('best', '', 2), ('place', '', 2), ('to', '', 2), ('go',
'', 2), ('for', '', 2), ('a', '', 2), ('tasty', 'PRODUCT', 3), ('bowl', '', 2),
('of', '', 2), ('Pho', 'PRODUCT', 3), ('!', '', 2)]
Entities [('beauty', 'PRODUCT')]
Tokens [('Oh', '', 2), ('this', '', 2), ('is', '', 2), ('such', '', 2), ('a',
'', 2), ('thing', '', 2), ('of', '', 2), ('beauty', 'PRODUCT', 3), (',', '', 2),
('this', '', 2), ('restaurant', '', 2), ('.', '', 2)]
Entities [('unexperienced employees', 'PERSON')]
Tokens [('I', '', 2), ('seriously', '', 2), ('can', '', 2), ('not', '', 2),
('believe', '', 2), ('that', '', 2), ('the', '', 2), ('owner', '', 2), ('has',
'', 2), ('so', '', 2), ('many', '', 2), ('unexperienced', 'PERSON', 3),

('employees', 'PERSON', 1), ('that', '', 2), ('all', '', 2), ('are', '', 2),
('running', '', 2), ('around', '', 2), ('like', '', 2), ('chickens', '', 2),
('with', '', 2), ('their', '', 2), ('heads', '', 2), ('cut', '', 2), ('off', '',
2), ('.', '', 2)]
Entities [('Hard Rock Casino', 'PRODUCT')]
Tokens [('Never', '', 2), ('been', '', 2), ('to', '', 2), ('Hard', 'PRODUCT',
3), ('Rock', 'PRODUCT', 1), ('Casino', 'PRODUCT', 1), ('before', '', 2), (',',
'', 2), ('WILL', '', 2), ('NEVER', '', 2), ('EVER', '', 2), ('STEP', '', 2),
('FORWARD', '', 2), ('IN', '', 2), ('IT', '', 2), ('AGAIN', '', 2), ('!', '',
2)]
Entities [('only 2', 'QUANTITY')]
Tokens [('walked', '', 2), ('in', '', 2), ('and', '', 2), ('the', '', 2),
('place', '', 2), ('smelled', '', 2), ('like', '', 2), ('an', '', 2), ('old',
'', 2), ('grease', '', 2), ('trap', '', 2), ('and', '', 2), ('only', 'QUANTITY',
3), ('2', 'QUANTITY', 1), ('others', '', 2), ('there', '', 2), ('eating', '',
2), ('.', '', 2)]
Entities [('amazing', 'PRODUCT'), ('pizzas', 'PRODUCT')]
Tokens [('I', '', 2), ('had', '', 2), ('the', '', 2), ('opportunity', '', 2),
('today', '', 2), ('to', '', 2), ('sample', '', 2), ('your', '', 2), ('amazing',
'PRODUCT', 3), ('pizzas', 'PRODUCT', 3), ('!', '', 2)]
Entities [('Loved', 'NORP')]
Tokens [('Wow', '', 2), ('…', '', 2), ('Loved', 'NORP', 3), ('this', '', 2),
('place', '', 2), ('.', '', 2)]
Entities [('Hawaiian Breeze', 'PRODUCT'), ('Mango Magic', 'PRODUCT'),
('Pineapple Delight', 'PRODUCT')]
Tokens [('Hawaiian', 'PRODUCT', 3), ('Breeze', 'PRODUCT', 1), (',', '', 2),
('Mango', 'PRODUCT', 3), ('Magic', 'PRODUCT', 1), (',', '', 2), ('and', '', 2),
('Pineapple', 'PRODUCT', 3), ('Delight', 'PRODUCT', 1), ('are', '', 2), ('the',
'', 2), ('smoothies', '', 2), ('that', '', 2), ('I', '', 2), ("'ve", '', 2),
('tried', '', 2), ('so', '', 2), ('far', '', 2), ('and', '', 2), ('they', '',
2), ("'re", '', 2), ('all', '', 2), ('good', '', 2), ('.', '', 2)]
Entities [('two of us', 'QUANTITY'), ('very full', 'NORP'), ('happy', 'NORP'),
('$20', 'MONEY')]
Tokens [('And', '', 2), ('considering', '', 2), ('the', '', 2), ('two',
'QUANTITY', 3), ('of', 'QUANTITY', 1), ('us', 'QUANTITY', 1), ('left', '', 2),
('there', '', 2), ('very', 'NORP', 3), ('full', 'NORP', 1), ('and', '', 2),
('happy', 'NORP', 3), ('for', '', 2), ('about', '', 2), ('$', 'MONEY', 3),
('20', 'MONEY', 1), (',', '', 2), ('you', '', 2), ('just', '', 2), ('ca', '',
2), ("n't", '', 2), ('go', '', 2), ('wrong', '', 2), ('.', '', 2)]
Entities [('Italian restaurant', 'PRODUCT')]
Tokens [('Hands', '', 2), ('down', '', 2), ('my', '', 2), ('favorite', '', 2),
('Italian', 'PRODUCT', 3), ('restaurant', 'PRODUCT', 1), ('!', '', 2)]
Entities [('Gyros', 'PRODUCT')]
Tokens [('Go', '', 2), ('To', '', 2), ('Place', '', 2), ('for', '', 2),
('Gyros', 'PRODUCT', 3), ('.', '', 2)]
Entities [('NASTY', 'PRODUCT')]
Tokens [('The', '', 2), ('kids', '', 2), ('play', '', 2), ('area', '', 2),
('is', '', 2), ('NASTY', 'PRODUCT', 3), ('!', '', 2)]

```
Entities [('good', 'PRODUCT'), ('sushi', 'PRODUCT')]
Tokens [('We', '', 2), ('thought', '', 2), ('you', '', 2), ("'d", '', 2),
('have', '', 2), ('to', '', 2), ('venture', '', 2), ('further', '', 2), ('away',
'', 2), ('to', '', 2), ('get', '', 2), ('good', 'PRODUCT', 3), ('sushi',
'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('this', '', 2), ('place', '', 2),
('really', '', 2), ('hit', '', 2), ('the', '', 2), ('spot', '', 2), ('that', '',
2), ('night', '', 2), ('.', '', 2)]
Entities [('Bland', 'PRODUCT')]
Tokens [('Bland', 'PRODUCT', 3), ('…', '', 2), ('Not', '', 2), ('a', '', 2),
('liking', '', 2), ('this', '', 2), ('place', '', 2), ('for', '', 2), ('a', '',
2), ('number', '', 2), ('of', '', 2), ('reasons', '', 2), ('and', '', 2), ('I',
'', 2), ('do', '', 2), ("n't", '', 2), ('want', '', 2), ('to', '', 2), ('waste',
'', 2), ('time', '', 2), ('on', '', 2), ('bad', '', 2), ('reviewing', '', 2),
('..', '', 2), ('I', '', 2), ("'ll", '', 2), ('leave', '', 2), ('it', '', 2),
('at', '', 2), ('that', '', 2), ('…', '', 2)]
Entities [('dirty-', 'PRODUCT'), ('yucky', 'PRODUCT')]
Tokens [('First', '', 2), ('-', '', 2), ('the', '', 2), ('bathrooms', '', 2),
('at', '', 2), ('this', '', 2), ('location', '', 2), ('were', '', 2), ('dirty-',
'PRODUCT', 3), ('Seat', '', 2), ('covers', '', 2), ('were', '', 2), ('not', '',
2), ('replenished', '', 2), ('&', '', 2), ('just', '', 2), ('plain', '', 2),
('yucky', 'PRODUCT', 3), ('!', '', 2), ('!', '', 2), ('!', '', 2)]
Entities [('nothing authentic', 'PRODUCT')]
Tokens [('There', '', 2), ('is', '', 2), ('nothing', 'PRODUCT', 3),
('authentic', 'PRODUCT', 1), ('about', '', 2), ('this', '', 2), ('place', '',
2), ('.', '', 2)]
Entities [('Worst service', 'PERSON')]
Tokens [('Worst', 'PERSON', 3), ('service', 'PERSON', 1), ('to', '', 2),
('boot', '', 2), (',', '', 2), ('but', '', 2), ('that', '', 2), ('is', '', 2),
('the', '', 2), ('least', '', 2), ('of', '', 2), ('their', '', 2), ('worries',
'', 2), ('.', '', 2)]
Entities [('smaller', 'QUANTITY'), ('management attitudes', 'PERSON')]
Tokens [('I', '', 2), ('have', '', 2), ('watched', '', 2), ('their', '', 2),
('prices', '', 2), ('inflate', '', 2), (',', '', 2), ('portions', '', 2),
('get', '', 2), ('smaller', 'QUANTITY', 3), ('and', '', 2), ('management',
'PERSON', 3), ('attitudes', 'PERSON', 1), ('grow', '', 2), ('rapidly', '', 2),
('!', '', 2)]
Entities [('BITCHES', 'PERSON')]
Tokens [('Host', '', 2), ('staff', '', 2), ('were', '', 2), (',', '', 2),
('for', '', 2), ('lack', '', 2), ('of', '', 2), ('a', '', 2), ('better', '', 2),
('word', '', 2), (',', '', 2), ('BITCHES', 'PERSON', 3), ('!', '', 2)]
Entities [('undercooked', 'PRODUCT'), ('dry', 'PRODUCT')]
Tokens [('It', '', 2), ('lacked', '', 2), ('flavor', '', 2), (',', '', 2),
('seemed', '', 2), ('undercooked', 'PRODUCT', 3), (',', '', 2), ('and', '', 2),
('dry', 'PRODUCT', 3), ('.', '', 2)]
Entities [('potatoes', 'PRODUCT'), ('biscuit', 'PRODUCT')]
Tokens [('the', '', 2), ('potatoes', 'PRODUCT', 3), ('were', '', 2), ('great',
'', 2), ('and', '', 2), ('so', '', 2), ('was', '', 2), ('the', '', 2),
('biscuit', 'PRODUCT', 3), ('.', '', 2)]
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Entities [('one star', 'CARDINAL'), ('90%', 'QUANTITY')]
Tokens [('This', '', 2), ('place', '', 2), ('deserves', '', 2), ('one',
'CARDINAL', 3), ('star', 'CARDINAL', 1), ('and', '', 2), ('90', 'QUANTITY', 3),
('%', 'QUANTITY', 1), ('has', '', 2), ('to', '', 2), ('do', '', 2), ('with', '',
2), ('the', '', 2), ('food', '', 2), ('.', '', 2)]
Entities [('delicious', 'PRODUCT'), ('spicy', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), ('is', '', 2), ('delicious', 'PRODUCT',
3), ('and', '', 2), ('just', '', 2), ('spicy', 'PRODUCT', 3), ('enough', '', 2),
(',', '', 2), ('so', '', 2), ('be', '', 2), ('sure', '', 2), ('to', '', 2),
('ask', '', 2), ('for', '', 2), ('spicier', '', 2), ('if', '', 2), ('you', '',
2), ('prefer', '', 2), ('it', '', 2), ('that', '', 2), ('way', '', 2), ('.', '',
2)]
Entities [('guacamole', 'PRODUCT')]
Tokens [('The', '', 2), ('only', '', 2), ('thing', '', 2), ('I', '', 2), ('was',
'', 2), ("n't", '', 2), ('too', '', 2), ('crazy', '', 2), ('about', '', 2),
('was', '', 2), ('their', '', 2), ('guacamole', 'PRODUCT', 3), ('as', '', 2),
('I', '', 2), ('do', '', 2), ("n't", '', 2), ('like', '', 2), ('it', '', 2),
('puréed', '', 2), ('.', '', 2)]
Entities [('Crust', 'PRODUCT')]
Tokens [('Crust', 'PRODUCT', 3), ('is', '', 2), ('not', '', 2), ('good', '', 2),
('.', '', 2)]
Entities [('meat', 'PRODUCT')]
Tokens [('There', '', 2), ('was', '', 2), ('hardly', '', 2), ('any', '', 2),
('meat', 'PRODUCT', 3), ('.', '', 2)]
Entities [('outrageously flirting', 'NORP')]
Tokens [('It', '', 2), ("'s", '', 2), ('like', '', 2), ('a', '', 2), ('really',
'', 2), ('sexy', '', 2), ('party', '', 2), ('in', '', 2), ('your', '', 2),
('mouth', '', 2), (',', '', 2), ('where', '', 2), ('you', '', 2), ("'re", '',
2), ('outrageously', 'NORP', 3), ('flirting', 'NORP', 1), ('with', '', 2),
('the', '', 2), ('hottest', '', 2), ('person', '', 2), ('at', '', 2), ('the',
'', 2), ('party', '', 2), ('.', '', 2)]
Entities [('burger', 'PRODUCT')]
Tokens [('Ordered', '', 2), ('burger', 'PRODUCT', 3), ('rare', '', 2), ('came',
'', 2), ('in', '', 2), ('we', '', 2), ("'ll", '', 2), ('done', '', 2), ('.', '',
2)]
Entities [('nice', 'PERSON'), ('professional', 'PERSON'), ('friendly',
'PERSON')]
Tokens [('Our', '', 2), ('server', '', 2), ('was', '', 2), ('very', '', 2),
('nice', 'PERSON', 3), (',', '', 2), ('and', '', 2), ('even', '', 2), ('though',
'', 2), ('he', '', 2), ('looked', '', 2), ('a', '', 2), ('little', '', 2),
('overwhelmed', '', 2), ('with', '', 2), ('all', '', 2), ('of', '', 2), ('our',
'', 2), ('needs', '', 2), (',', '', 2), ('he', '', 2), ('stayed', '', 2),
('professional', 'PERSON', 3), ('and', '', 2), ('friendly', 'PERSON', 3),
('until', '', 2), ('the', '', 2), ('end', '', 2), ('.', '', 2)]
Entities [('3 times', 'QUANTITY'), ('bad', 'PRODUCT')]
Tokens [('The', '', 2), ('last', '', 2), ('3', 'QUANTITY', 3), ('times',
'QUANTITY', 1), ('I', '', 2), ('had', '', 2), ('lunch', '', 2), ('here', '', 2),
('has', '', 2), ('been', '', 2), ('bad', 'PRODUCT', 3), ('.', '', 2)]
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Entities [('special', 'NORP')]
Tokens [('Everyone', '', 2), ('is', '', 2), ('treated', '', 2), ('equally', '',
2), ('special', 'NORP', 3), ('.', '', 2)]
Entities [('Vegas', 'LOC')]
Tokens [('The', '', 2), ('best', '', 2), ('place', '', 2), ('in', '', 2),
('Vegas', 'LOC', 3), ('for', '', 2), ('breakfast', '', 2), ('(', '', 2),
('just', '', 2), ('check', '', 2), ('out', '', 2), ('a', '', 2), ('Sat', '', 2),
(',', '', 2), ('or', '', 2), ('Sun', '', 2), ('.', '', 2)]
Entities [('disappointed', 'NORP')]
Tokens [('We', '', 2), ('had', '', 2), ('so', '', 2), ('much', '', 2), ('to',
'', 2), ('say', '', 2), ('about', '', 2), ('the', '', 2), ('place', '', 2),
('before', '', 2), ('we', '', 2), ('walked', '', 2), ('in', '', 2), ('that', '',
2), ('he', '', 2), ('expected', '', 2), ('it', '', 2), ('to', '', 2), ('be', '',
2), ('amazing', '', 2), (',', '', 2), ('but', '', 2), ('was', '', 2),
('quickly', '', 2), ('disappointed', 'NORP', 3), ('.', '', 2)]
Entities [('Lobster Bisque soup', 'PRODUCT'), ('lukewarm', 'PRODUCT')]
Tokens [('My', '', 2), ('wife', '', 2), ('had', '', 2), ('the', '', 2),
('Lobster', 'PRODUCT', 3), ('Bisque', 'PRODUCT', 1), ('soup', 'PRODUCT', 1),
('which', '', 2), ('was', '', 2), ('lukewarm', 'PRODUCT', 3), ('.', '', 2)]
Entities [('first', 'TIME'), ('last', 'TIME')]
Tokens [('I', '', 2), ("'ve", '', 2), ('lived', '', 2), ('here', '', 2),
('since', '', 2), ('1979', '', 2), ('and', '', 2), ('this', '', 2), ('was', '',
2), ('the', '', 2), ('first', 'TIME', 3), ('(', '', 2), ('and', '', 2), ('last',
'TIME', 3), (')', '', 2), ('time', '', 2), ('I', '', 2), ("'ve", '', 2),
('stepped', '', 2), ('foot', '', 2), ('into', '', 2), ('this', '', 2), ('place',
'', 2), ('.', '', 2)]
Entities [('warm feeling', 'NORP'), ('special treat', 'PERSON')]
Tokens [('There', '', 2), ('was', '', 2), ('a', '', 2), ('warm', 'NORP', 3),
('feeling', 'NORP', 1), ('with', '', 2), ('the', '', 2), ('service', '', 2),
('and', '', 2), ('I', '', 2), ('felt', '', 2), ('like', '', 2), ('their', '',
2), ('guest', '', 2), ('for', '', 2), ('a', '', 2), ('special', 'PERSON', 3),
('treat', 'PERSON', 1), ('.', '', 2)]
Entities [('salad', 'PRODUCT')]
Tokens [('-', '', 2), ('They', '', 2), ('never', '', 2), ('brought', '', 2),
('a', '', 2), ('salad', 'PRODUCT', 3), ('we', '', 2), ('asked', '', 2), ('for',
'', 2), ('.', '', 2)]
Entities [('apple juice..', 'PRODUCT')]
Tokens [('A', '', 2), ('FLY', '', 2), ('was', '', 2), ('in', '', 2), ('my', '',
2), ('apple', 'PRODUCT', 3), ('juice', 'PRODUCT', 1), ('..', 'PRODUCT', 1),
('A', '', 2), ('FLY', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!',
'', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2)]
Entities [('30 min', 'TIME'), ('milkshake', 'PRODUCT'), ('chocolate milk',
'PRODUCT')]
Tokens [('It', '', 2), ('took', '', 2), ('over', '', 2), ('30', 'TIME', 3),
('min', 'TIME', 1), ('to', '', 2), ('get', '', 2), ('their', '', 2),
('milkshake', 'PRODUCT', 3), (',', '', 2), ('which', '', 2), ('was', '', 2),
('nothing', '', 2), ('more', '', 2), ('than', '', 2), ('chocolate', 'PRODUCT',
3), ('milk', 'PRODUCT', 1), ('.', '', 2)]
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Entities [('turn off', 'NORP')]
Tokens [('Definitely', '', 2), ('a', '', 2), ('turn', 'NORP', 3), ('off',
'NORP', 1), ('for', '', 2), ('me', '', 2), ('&', '', 2), ('i', '', 2), ('doubt',
'', 2), ('I', '', 2), ("'ll", '', 2), ('be', '', 2), ('back', '', 2), ('unless',
'', 2), ('someone', '', 2), ('else', '', 2), ('is', '', 2), ('buying', '', 2),
('.', '', 2)]
Entities [('flair bartenders', 'PERSON'), ('absolutely amazing', 'PERSON')]
Tokens [('The', '', 2), ('flair', 'PERSON', 3), ('bartenders', 'PERSON', 1),
('are', '', 2), ('absolutely', 'PERSON', 3), ('amazing', 'PERSON', 1), ('!', '',
2)]
Entities [('Not tasty', 'PRODUCT'), ('nasty', 'PRODUCT')]
Tokens [('Not', 'PRODUCT', 3), ('tasty', 'PRODUCT', 1), ('and', '', 2), ('the',
'', 2), ('texture', '', 2), ('was', '', 2), ('just', '', 2), ('nasty',
'PRODUCT', 3), ('.', '', 2)]
Entities [('outstanding', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), ('was', '', 2), ('outstanding',
'PRODUCT', 3), ('and', '', 2), ('the', '', 2), ('prices', '', 2), ('were', '',
2), ('very', '', 2), ('reasonable', '', 2), ('.', '', 2)]
Entities [('Delicious', 'PRODUCT')]
Tokens [('Delicious', 'PRODUCT', 3), ('and', '', 2), ('I', '', 2), ('will', '',
2), ('absolutely', '', 2), ('be', '', 2), ('back', '', 2), ('!', '', 2)]
Entities [("didn't enjoy", 'NORP'), ('mid 30s', 'QUANTITY')]
Tokens [('Main', '', 2), ('thing', '', 2), ('I', '', 2), ('did', 'NORP', 3),
("n't", 'NORP', 1), ('enjoy', 'NORP', 1), ('is', '', 2), ('that', '', 2),
('the', '', 2), ('crowd', '', 2), ('is', '', 2), ('of', '', 2), ('older', '',
2), ('crowd', '', 2), (',', '', 2), ('around', '', 2), ('mid', 'QUANTITY', 3),
('30s', 'QUANTITY', 1), ('and', '', 2), ('up', '', 2), ('.', '', 2)]
Entities [('LOVED', 'NORP')]
Tokens [('I', '', 2), ('LOVED', 'NORP', 3), ('it', '', 2), ('!', '', 2)]
Entities [('sandwich', 'PRODUCT'), ('Firehouse', 'PRODUCT')]
Tokens [('If', '', 2), ('you', '', 2), ('want', '', 2), ('a', '', 2),
('sandwich', 'PRODUCT', 3), ('just', '', 2), ('go', '', 2), ('to', '', 2),
('any', '', 2), ('Firehouse', 'PRODUCT', 3), ('!', '', 2), ('!', '', 2), ('!',
'', 2), ('!', '', 2), ('!', '', 2)]
Entities [('multiple times', 'QUANTITY'), ('delicious', 'PRODUCT')]
Tokens [('I', '', 2), ('have', '', 2), ('eaten', '', 2), ('here', '', 2),
('multiple', 'QUANTITY', 3), ('times', 'QUANTITY', 1), (',', '', 2), ('and', '',
2), ('each', '', 2), ('time', '', 2), ('the', '', 2), ('food', '', 2), ('was',
'', 2), ('delicious', 'PRODUCT', 3), ('.', '', 2)]
Entities [('angry', 'NORP'), ('pho', 'PRODUCT')]
Tokens [('Now', '', 2), ('I', '', 2), ('am', '', 2), ('getting', '', 2),
('angry', 'NORP', 3), ('and', '', 2), ('I', '', 2), ('want', '', 2), ('my', '',
2), ('damn', '', 2), ('pho', 'PRODUCT', 3), ('.', '', 2)]
Entities [('roasted chicken', 'PRODUCT')]
Tokens [('Any', '', 2), ('grandmother', '', 2), ('can', '', 2), ('make', '', 2),
('a', '', 2), ('roasted', 'PRODUCT', 3), ('chicken', 'PRODUCT', 1), ('better',
'', 2), ('than', '', 2), ('this', '', 2), ('one', '', 2), ('.', '', 2)]
Entities [('too cold', 'PRODUCT'), ('not enough flavor', 'PRODUCT'), ('just
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bad', 'PRODUCT')]
Tokens [('It', '', 2), ('was', '', 2), ('either', '', 2), ('too', 'PRODUCT', 3),
('cold', 'PRODUCT', 1), (',', '', 2), ('not', 'PRODUCT', 3), ('enough',
'PRODUCT', 1), ('flavor', 'PRODUCT', 1), ('or', '', 2), ('just', 'PRODUCT', 3),
('bad', 'PRODUCT', 1), ('.', '', 2)]
Entities [('overpriced', 'MONEY'), ('not consistent', 'PRODUCT'), ('boba',
'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('overpriced',
'MONEY', 3), (',', '', 2), ('not', 'PRODUCT', 3), ('consistent', 'PRODUCT', 1),
('with', '', 2), ('their', '', 2), ('boba', 'PRODUCT', 3), (',', '', 2), ('and',
'', 2), ('it', '', 2), ('really', '', 2), ('is', '', 2), ('OVERPRICED', '', 2),
('!', '', 2)]
Entities [('drastically sick', 'NORP')]
Tokens [('Same', '', 2), ('evening', '', 2), (',', '', 2), ('him', '', 2),
('and', '', 2), ('I', '', 2), ('are', '', 2), ('both', '', 2), ('drastically',
'NORP', 3), ('sick', 'NORP', 1), ('.', '', 2)]
Entities [('bad Experience', 'NORP')]
Tokens [('Very', '', 2), ('bad', 'NORP', 3), ('Experience', 'NORP', 1), ('!',
'', 2)]
Entities [('veal', 'PRODUCT'), ('very bad', 'PRODUCT')]
Tokens [('My', '', 2), ('girlfriend', '', 2), ("'s", '', 2), ('veal', 'PRODUCT',
3), ('was', '', 2), ('very', 'PRODUCT', 3), ('bad', 'PRODUCT', 1), ('.', '', 2)]
Entities [('sushi bar', 'PRODUCT'), ('great', 'PRODUCT'), ('service is fast',
'PERSON'), ('impeccable', 'PRODUCT')]
Tokens [('I', '', 2), ('was', '', 2), ('proven', '', 2), ('dead', '', 2),
('wrong', '', 2), ('by', '', 2), ('this', '', 2), ('sushi', 'PRODUCT', 3),
('bar', 'PRODUCT', 1), (',', '', 2), ('not', '', 2), ('only', '', 2),
('because', '', 2), ('the', '', 2), ('quality', '', 2), ('is', '', 2), ('great',
'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('the', '', 2), ('service',
'PERSON', 3), ('is', 'PERSON', 1), ('fast', 'PERSON', 1), ('and', '', 2),
('the', '', 2), ('food', '', 2), (',', '', 2), ('impeccable', 'PRODUCT', 3),
('.', '', 2)]
Entities [('huevos rancheros', 'PRODUCT'), ("didn't look too appealing",
'NORP')]
Tokens [('My', '', 2), ('fella', '', 2), ('got', '', 2), ('the', '', 2),
('huevos', 'PRODUCT', 3), ('rancheros', 'PRODUCT', 1), ('and', '', 2), ('they',
'', 2), ('did', 'NORP', 3), ("n't", 'NORP', 1), ('look', 'NORP', 1), ('too',
'NORP', 1), ('appealing', 'NORP', 1), ('.', '', 2)]
Entities [('Veggitarian platter', 'PRODUCT')]
Tokens [('The', '', 2), ('Veggitarian', 'PRODUCT', 3), ('platter', 'PRODUCT',
1), ('is', '', 2), ('out', '', 2), ('of', '', 2), ('this', '', 2), ('world', '',
2), ('!', '', 2)]
Entities [('duck rare', 'PRODUCT'), ('pink', 'PRODUCT'), ('tender', 'PRODUCT'),
('nice char', 'PRODUCT')]
Tokens [('We', '', 2), ('ordered', '', 2), ('the', '', 2), ('duck', 'PRODUCT',
3), ('rare', 'PRODUCT', 1), ('and', '', 2), ('it', '', 2), ('was', '', 2),
('pink', 'PRODUCT', 3), ('and', '', 2), ('tender', 'PRODUCT', 3), ('on', '', 2),
('the', '', 2), ('inside', '', 2), ('with', '', 2), ('a', '', 2), ('nice',

'PRODUCT', 3), ('char', 'PRODUCT', 1), ('on', '', 2), ('the', '', 2),
('outside', '', 2), ('.', '', 2)]
Entities [('good', 'PRODUCT'), ('BBQ', 'PRODUCT'), ('reasonable pricing',
'MONEY')]
Tokens [('Back', '', 2), ('to', '', 2), ('good', 'PRODUCT', 3), ('BBQ',
'PRODUCT', 3), (',', '', 2), ('lighter', '', 2), ('fare', '', 2), (',', '', 2),
('reasonable', 'MONEY', 3), ('pricing', 'MONEY', 1), ('and', '', 2), ('tell',
'', 2), ('the', '', 2), ('public', '', 2), ('they', '', 2), ('are', '', 2),
('back', '', 2), ('to', '', 2), ('the', '', 2), ('old', '', 2), ('ways', '', 2),
('.', '', 2)]
Entities [('no care', 'PERSON'), ('overpriced', 'MONEY')]
Tokens [('The', '', 2), ('cashier', '', 2), ('had', '', 2), ('no', 'PERSON', 3),
('care', 'PERSON', 1), ('what', '', 2), ('so', '', 2), ('ever', '', 2), ('on',
'', 2), ('what', '', 2), ('I', '', 2), ('had', '', 2), ('to', '', 2), ('say',
'', 2), ('it', '', 2), ('still', '', 2), ('ended', '', 2), ('up', '', 2),
('being', '', 2), ('wayyy', '', 2), ('overpriced', 'MONEY', 3), ('.', '', 2)]
Entities [('diverse', 'PRODUCT'), ('reasonably priced', 'MONEY')]
Tokens [('Their', '', 2), ('menu', '', 2), ('is', '', 2), ('diverse', 'PRODUCT',
3), (',', '', 2), ('and', '', 2), ('reasonably', 'MONEY', 3), ('priced',
'MONEY', 1), ('.', '', 2)]
Entities [('FANTASTIC', 'PERSON')]
Tokens [('We', '', 2), ('were', '', 2), ('sat', '', 2), ('right', '', 2), ('on',
'', 2), ('time', '', 2), ('and', '', 2), ('our', '', 2), ('server', '', 2),
('from', '', 2), ('the', '', 2), ('get', '', 2), ('go', '', 2), ('was', '', 2),
('FANTASTIC', 'PERSON', 3), ('!', '', 2)]
Entities [('Dessert: Panna Cotta', 'PRODUCT'), ('amazing', 'PRODUCT')]
Tokens [('Dessert', 'PRODUCT', 3), (':', 'PRODUCT', 1), ('Panna', 'PRODUCT', 1),
('Cotta', 'PRODUCT', 1), ('was', '', 2), ('amazing', 'PRODUCT', 3), ('.', '',
2)]
Entities [('vegetarian', 'PRODUCT')]
Tokens [('I', '', 2), ('always', '', 2), ('order', '', 2), ('from', '', 2),
('the', '', 2), ('vegetarian', 'PRODUCT', 3), ('menu', '', 2), ('during', '',
2), ('dinner', '', 2), (',', '', 2), ('which', '', 2), ('has', '', 2), ('a', '',
2), ('wide', '', 2), ('array', '', 2), ('of', '', 2), ('options', '', 2), ('to',
'', 2), ('choose', '', 2), ('from', '', 2), ('.', '', 2)]
Entities [('nice atmosphere', 'PRODUCT')]
Tokens [('They', '', 2), ('have', '', 2), ('a', '', 2), ('really', '', 2),
('nice', 'PRODUCT', 3), ('atmosphere', 'PRODUCT', 1), ('.', '', 2)]
Entities [('fondue', 'PRODUCT'), ('barely edible', 'PRODUCT')]
Tokens [('However', '', 2), (',', '', 2), ('there', '', 2), ('was', '', 2),
('so', '', 2), ('much', '', 2), ('garlic', '', 2), ('in', '', 2), ('the', '',
2), ('fondue', 'PRODUCT', 3), (',', '', 2), ('it', '', 2), ('was', '', 2),
('barely', 'PRODUCT', 3), ('edible', 'PRODUCT', 1), ('.', '', 2)]
Entities [('bother', 'NORP'), ('slow service', 'PERSON')]
Tokens [('What', '', 2), ('did', '', 2), ('bother', 'NORP', 3), ('me', '', 2),
(',', '', 2), ('was', '', 2), ('the', '', 2), ('slow', 'PERSON', 3), ('service',
'PERSON', 1), ('.', '', 2)]
Entities [('extensive', 'PRODUCT')]

Tokens [('An', '', 2), ('extensive', 'PRODUCT', 3), ('menu', '', 2),
('provides', '', 2), ('lots', '', 2), ('of', '', 2), ('options', '', 2), ('for',
'', 2), ('breakfast', '', 2), ('.', '', 2)]
Entities [('plantains', 'PRODUCT'), ('worst', 'PRODUCT')]
Tokens [('The', '', 2), ('plantains', 'PRODUCT', 3), ('were', '', 2), ('the',
'', 2), ('worst', 'PRODUCT', 3), ('I', '', 2), ("'ve", '', 2), ('ever', '', 2),
('tasted', '', 2), ('.', '', 2)]
Entities [('Great food', 'PRODUCT'), ('awesome service', 'PERSON')]
Tokens [('Great', 'PRODUCT', 3), ('food', 'PRODUCT', 1), ('and', '', 2),
('awesome', 'PERSON', 3), ('service', 'PERSON', 1), ('!', '', 2)]
Entities [('killer', 'PRODUCT'), ('hot chai latte', 'PRODUCT')]
Tokens [('Seriously', '', 2), ('killer', 'PRODUCT', 3), ('hot', 'PRODUCT', 3),
('chai', 'PRODUCT', 1), ('latte', 'PRODUCT', 1), ('.', '', 2)]
Entities [('sorely disappointed', 'NORP')]
Tokens [('We', '', 2), ('ordered', '', 2), ('some', '', 2), ('old', '', 2),
('classics', '', 2), ('and', '', 2), ('some', '', 2), ('new', '', 2), ('dishes',
'', 2), ('after', '', 2), ('going', '', 2), ('there', '', 2), ('a', '', 2),
('few', '', 2), ('times', '', 2), ('and', '', 2), ('were', '', 2), ('sorely',
'NORP', 3), ('disappointed', 'NORP', 1), ('with', '', 2), ('everything', '', 2),
('.', '', 2)]
Entities [('Las Vegas', 'LOC')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('a', '', 2),
('jewel', '', 2), ('in', '', 2), ('Las', 'LOC', 3), ('Vegas', 'LOC', 1), (',',
'', 2), ('and', '', 2), ('exactly', '', 2), ('what', '', 2), ('I', '', 2),
("'ve", '', 2), ('been', '', 2), ('hoping', '', 2), ('to', '', 2), ('find', '',
2), ('in', '', 2), ('nearly', '', 2), ('ten', '', 2), ('years', '', 2),
('living', '', 2), ('here', '', 2), ('.', '', 2)]
Entities [('Ample portions', 'QUANTITY'), ('good prices', 'MONEY')]
Tokens [('Ample', 'QUANTITY', 3), ('portions', 'QUANTITY', 1), ('and', '', 2),
('good', 'MONEY', 3), ('prices', 'MONEY', 1), ('.', '', 2)]
Entities [('very negligent', 'PERSON'), ('very unwelcome', 'PERSON')]
Tokens [('The', '', 2), ('server', '', 2), ('was', '', 2), ('very', 'PERSON',
3), ('negligent', 'PERSON', 1), ('of', '', 2), ('our', '', 2), ('needs', '', 2),
('and', '', 2), ('made', '', 2), ('us', '', 2), ('feel', '', 2), ('very',
'PERSON', 3), ('unwelcome', 'PERSON', 1), ('…', '', 2), ('I', '', 2),
('would', '', 2), ('not', '', 2), ('suggest', '', 2), ('this', '', 2), ('place',
'', 2), ('!', '', 2)]
Entities [('toasted bread', 'PRODUCT'), ('equally satisfying', 'NORP'),
('butter', 'PRODUCT')]
Tokens [('Their', '', 2), ('regular', '', 2), ('toasted', 'PRODUCT', 3),
('bread', 'PRODUCT', 1), ('was', '', 2), ('equally', 'NORP', 3), ('satisfying',
'NORP', 1), ('with', '', 2), ('the', '', 2), ('occasional', '', 2), ('pats', '',
2), ('of', '', 2), ('butter', 'PRODUCT', 3), ('…', '', 2), ('Mmmm', '', 2),
('…', '', 2), ('!', '', 2)]
Entities [('sucked', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), ('sucked', 'PRODUCT', 3), (',', '', 2),
('which', '', 2), ('we', '', 2), ('expected', '', 2), ('but', '', 2), ('it', '',
2), ('sucked', '', 2), ('more', '', 2), ('than', '', 2), ('we', '', 2),

('could', '', 2), ('have', '', 2), ('imagined', '', 2), ('.', '', 2)]
Entities [("M's", 'PRODUCT')]
Tokens [('I', '', 2), ("'d", '', 2), ('say', '', 2), ('that', '', 2), ('would',
'', 2), ('be', '', 2), ('the', '', 2), ('hardest', '', 2), ('decision', '', 2),
('…', '', 2), ('Honestly', '', 2), (',', '', 2), ('all', '', 2), ('of', '',
2), ('M', 'PRODUCT', 3), ("'s", 'PRODUCT', 1), ('dishes', '', 2), ('taste', '',
2), ('how', '', 2), ('they', '', 2), ('are', '', 2), ('supposed', '', 2), ('to',
'', 2), ('taste', '', 2), ('(', '', 2), ('amazing', '', 2), (')', '', 2), ('.',
'', 2)]
Entities [('lacking', 'PERSON')]
Tokens [('The', '', 2), ('service', '', 2), ('was', '', 2), ('a', '', 2),
('bit', '', 2), ('lacking', 'PERSON', 3), ('.', '', 2)]
Entities [('excellent', 'PRODUCT'), ('service was very', 'PERSON')]
Tokens [('The', '', 2), ('food', '', 2), ('was', '', 2), ('excellent',
'PRODUCT', 3), ('and', '', 2), ('service', 'PERSON', 3), ('was', 'PERSON', 1),
('very', 'PERSON', 1), ('good', '', 2), ('.', '', 2)]
Entities [('Shrimp-', 'PRODUCT'), ('1/2 a mile', 'QUANTITY'), ('Brushfire',
'LOC'), ('ice cold', 'PRODUCT')]
Tokens [('Shrimp-', 'PRODUCT', 3), ('When', '', 2), ('I', '', 2), ('unwrapped',
'', 2), ('it', '', 2), ('(', '', 2), ('I', '', 2), ('live', '', 2), ('only', '',
2), ('1/2', 'QUANTITY', 3), ('a', 'QUANTITY', 1), ('mile', 'QUANTITY', 1),
('from', '', 2), ('Brushfire', 'LOC', 3), (')', '', 2), ('it', '', 2), ('was',
'', 2), ('literally', '', 2), ('ice', 'PRODUCT', 3), ('cold', 'PRODUCT', 1),
('.', '', 2)]
Entities [('absolutely delicious', 'PRODUCT')]
Tokens [('Thus', '', 2), ('far', '', 2), (',', '', 2), ('have', '', 2), ('only',
'', 2), ('visited', '', 2), ('twice', '', 2), ('and', '', 2), ('the', '', 2),
('food', '', 2), ('was', '', 2), ('absolutely', 'PRODUCT', 3), ('delicious',
'PRODUCT', 1), ('each', '', 2), ('time', '', 2), ('.', '', 2)]
Entities [('pretty good', 'PRODUCT'), ('nice little vibe', 'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('pretty', 'PRODUCT',
3), ('good', 'PRODUCT', 1), (',', '', 2), ('nice', 'PRODUCT', 3), ('little',
'PRODUCT', 1), ('vibe', 'PRODUCT', 1), ('in', '', 2), ('the', '', 2),
('restaurant', '', 2), ('.', '', 2)]
Entities [('Otto', 'PRODUCT'), ('welcome and special', 'PERSON')]
Tokens [('The', '', 2), ('folks', '', 2), ('at', '', 2), ('Otto', 'PRODUCT', 3),
('always', '', 2), ('make', '', 2), ('us', '', 2), ('feel', '', 2), ('so', '',
2), ('welcome', 'PERSON', 3), ('and', 'PERSON', 1), ('special', 'PERSON', 1),
('.', '', 2)]
Entities [('rotating beers', 'PRODUCT')]
Tokens [('Their', '', 2), ('rotating', 'PRODUCT', 3), ('beers', 'PRODUCT', 1),
('on', '', 2), ('tap', '', 2), ('is', '', 2), ('also', '', 2), ('a', '', 2),
('highlight', '', 2), ('of', '', 2), ('this', '', 2), ('place', '', 2), ('.',
'', 2)]
Entities [('service was slow', 'PERSON')]
Tokens [('Went', '', 2), ('for', '', 2), ('lunch', '', 2), ('-', '', 2),
('service', 'PERSON', 3), ('was', 'PERSON', 1), ('slow', 'PERSON', 1), ('.', '',
2)]

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Entities [('delicioso', 'PRODUCT')]
Tokens [('OMG', '', 2), (',', '', 2), ('the', '', 2), ('food', '', 2), ('was',
'', 2), ('delicioso', 'PRODUCT', 3), ('!', '', 2)]
Entities [('quite flavourful', 'PRODUCT')]
Tokens [('Now', '', 2), ('this', '', 2), ('dish', '', 2), ('was', '', 2),
('quite', 'PRODUCT', 3), ('flavourful', 'PRODUCT', 1), ('.', '', 2)]
Entities [('solid', 'PRODUCT')]
Tokens [('I', '', 2), ('had', '', 2), ('a', '', 2), ('seriously', '', 2),
('solid', 'PRODUCT', 3), ('breakfast', '', 2), ('here', '', 2), ('.', '', 2)]
Entities [('delicious', 'PRODUCT'), ('attentive', 'PERSON'), ('personable',
'PERSON'), ('great deal', 'MONEY')]
Tokens [('The', '', 2), ('food', '', 2), ('was', '', 2), ('delicious',
'PRODUCT', 3), (',', '', 2), ('our', '', 2), ('bartender', '', 2), ('was', '',
2), ('attentive', 'PERSON', 3), ('and', '', 2), ('personable', 'PERSON', 3),
('AND', '', 2), ('we', '', 2), ('got', '', 2), ('a', '', 2), ('great', 'MONEY',
3), ('deal', 'MONEY', 1), ('!', '', 2)]
Entities [('Nice ambiance', 'PRODUCT')]
Tokens [('Nice', 'PRODUCT', 3), ('ambiance', 'PRODUCT', 1), ('.', '', 2)]
Entities [('Poor service', 'PERSON'), ('stupid', 'NORP')]
Tokens [('Poor', 'PERSON', 3), ('service', 'PERSON', 1), (',', '', 2), ('the',
'', 2), ('waiter', '', 2), ('made', '', 2), ('me', '', 2), ('feel', '', 2),
('like', '', 2), ('I', '', 2), ('was', '', 2), ('stupid', 'NORP', 3), ('every',
'', 2), ('time', '', 2), ('he', '', 2), ('came', '', 2), ('to', '', 2), ('the',
'', 2), ('table', '', 2), ('.', '', 2)]
Entities [('gyro', 'PRODUCT'), ('lettuce', 'PRODUCT')]
Tokens [('My', '', 2), ('gyro', 'PRODUCT', 3), ('was', '', 2), ('basically', '',
2), ('lettuce', 'PRODUCT', 3), ('only', '', 2), ('.', '', 2)]
Entities [('2 Thumbs Up', 'CARDINAL')]
Tokens [('2', 'CARDINAL', 3), ('Thumbs', 'CARDINAL', 1), ('Up', 'CARDINAL', 1),
('!', '', 2), ('!', '', 2)]
Entities [('damn generic', 'PRODUCT')]
Tokens [('It', '', 2), ("'s", '', 2), ('too', '', 2), ('bad', '', 2), ('the',
'', 2), ('food', '', 2), ('is', '', 2), ('so', '', 2), ('damn', 'PRODUCT', 3),
('generic', 'PRODUCT', 1), ('.', '', 2)]
Entities [('red velvet cake', 'PRODUCT'), ('good', 'PRODUCT')]
Tokens [('That', '', 2), ("'s", '', 2), ('right', '', 2), ('…', '', 2),
('the', '', 2), ('red', 'PRODUCT', 3), ('velvet', 'PRODUCT', 1), ('cake',
'PRODUCT', 1), ('…', '', 2), ('ohhh', '', 2), ('this', '', 2), ('stuff', '',
2), ('is', '', 2), ('so', '', 2), ('good', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Overpriced', 'MONEY')]
Tokens [('Overpriced', 'MONEY', 3), ('for', '', 2), ('what', '', 2), ('you', '',
2), ('are', '', 2), ('getting', '', 2), ('.', '', 2)]
Entities [('overpriced', 'MONEY'), ('small', 'QUANTITY')]
Tokens [('Food', '', 2), ('is', '', 2), ('way', '', 2), ('overpriced', 'MONEY',
3), ('and', '', 2), ('portions', '', 2), ('are', '', 2), ('fucking', '', 2),
('small', 'QUANTITY', 3), ('.', '', 2)]
Entities [('vegetables', 'PRODUCT'), ('fresh', 'PRODUCT'), ('sauce', 'PRODUCT'),
('authentic', 'PRODUCT')]
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Tokens [('The', '', 2), ('vegetables', 'PRODUCT', 3), ('are', '', 2), ('so', '',
2), ('fresh', 'PRODUCT', 3), ('and', '', 2), ('the', '', 2), ('sauce',
'PRODUCT', 3), ('feels', '', 2), ('like', '', 2), ('authentic', 'PRODUCT', 3),
('Thai', '', 2), ('.', '', 2)]
Entities [('beyond bad', 'PERSON')]
Tokens [('But', '', 2), ('the', '', 2), ('service', '', 2), ('was', '', 2),
('beyond', 'PERSON', 3), ('bad', 'PERSON', 1), ('.', '', 2)]
Entities [('love', 'NORP'), ('sushi', 'PRODUCT'), ('Kabuki', 'PRODUCT'), ('over-
priced', 'PRODUCT'), ('over-hip', 'PRODUCT'), ('under-services', 'PERSON')]
Tokens [('I', '', 2), ('do', '', 2), ('love', 'NORP', 3), ('sushi', 'PRODUCT',
3), (',', '', 2), ('but', '', 2), ('I', '', 2), ('found', '', 2), ('Kabuki',
'PRODUCT', 3), ('to', '', 2), ('be', '', 2), ('over', 'PRODUCT', 3), ('-',
'PRODUCT', 1), ('priced', 'PRODUCT', 1), (',', '', 2), ('over', 'PRODUCT', 3),
('-', 'PRODUCT', 1), ('hip', 'PRODUCT', 1), ('and', '', 2), ('under', 'PERSON',
3), ('-', 'PERSON', 1), ('services', 'PERSON', 1), ('.', '', 2)]
Entities [('Thai food', 'PRODUCT')]
Tokens [('OMG', '', 2), ('I', '', 2), ('felt', '', 2), ('like', '', 2), ('I',
'', 2), ('had', '', 2), ('never', '', 2), ('eaten', '', 2), ('Thai', 'PRODUCT',
3), ('food', 'PRODUCT', 1), ('until', '', 2), ('this', '', 2), ('dish', '', 2),
('.', '', 2)]
Entities [('over rated', 'CARDINAL')]
Tokens [('WAAAAAAyyyyyyyyyy', '', 2), ('over', 'CARDINAL', 3), ('rated',
'CARDINAL', 1), ('is', '', 2), ('all', '', 2), ('I', '', 2), ('am', '', 2),
('saying', '', 2), ('.', '', 2)]
Entities [('Level 5', 'QUANTITY'), ('spicy', 'PRODUCT'), ('perfect', 'PRODUCT'),
('soup', 'PRODUCT')]
Tokens [('Level', 'QUANTITY', 3), ('5', 'QUANTITY', 1), ('spicy', 'PRODUCT', 3),
('was', '', 2), ('perfect', 'PRODUCT', 3), (',', '', 2), ('where', '', 2),
('spice', '', 2), ('did', '', 2), ("n't", '', 2), ('over', '', 2), ('-', '', 2),
('whelm', '', 2), ('the', '', 2), ('soup', 'PRODUCT', 3), ('.', '', 2)]
Entities [('cow tongue', 'PRODUCT'), ('cheek tacos', 'PRODUCT'), ('amazing',
'PRODUCT')]
Tokens [('The', '', 2), ('cow', 'PRODUCT', 3), ('tongue', 'PRODUCT', 1), ('and',
'', 2), ('cheek', 'PRODUCT', 3), ('tacos', 'PRODUCT', 1), ('are', '', 2),
('amazing', 'PRODUCT', 3), ('.', '', 2)]
Entities [('quick', 'PERSON'), ('friendly', 'PERSON')]
Tokens [('Service', '', 2), ('is', '', 2), ('quick', 'PERSON', 3), ('and', '',
2), ('friendly', 'PERSON', 3), ('.', '', 2)]
Entities [('Worst food', 'PERSON')]
Tokens [('Worst', 'PERSON', 3), ('food', 'PERSON', 1), ('/', '', 2), ('service',
'', 2), ('I', '', 2), ("'ve", '', 2), ('had', '', 2), ('in', '', 2), ('a', '',
2), ('while', '', 2), ('.', '', 2)]
Entities [('great', 'PERSON')]
Tokens [('The', '', 2), ('service', '', 2), ('was', '', 2), ('great', 'PERSON',
3), (',', '', 2), ('even', '', 2), ('the', '', 2), ('manager', '', 2), ('came',
'', 2), ('and', '', 2), ('helped', '', 2), ('with', '', 2), ('our', '', 2),
('table', '', 2), ('.', '', 2)]
Entities [('Great quality', 'PRODUCT'), ('nigiri', 'PRODUCT')]
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Tokens [('Some', '', 2), ('highlights', '', 2), (':', '', 2), ('Great',
'PRODUCT', 3), ('quality', 'PRODUCT', 1), ('nigiri', 'PRODUCT', 3), ('here', '',
2), ('!', '', 2)]
Entities [('sashimi', 'PRODUCT'), ('poor quality', 'PRODUCT'), ('soggy',
'PRODUCT'), ('tasteless', 'PRODUCT')]
Tokens [('My', '', 2), ('sashimi', 'PRODUCT', 3), ('was', '', 2), ('poor',
'PRODUCT', 3), ('quality', 'PRODUCT', 1), ('being', '', 2), ('soggy', 'PRODUCT',
3), ('and', '', 2), ('tasteless', 'PRODUCT', 3), ('.', '', 2)]
Entities [('VERY disappointed', 'NORP')]
Tokens [('I', '', 2), ('was', '', 2), ('VERY', 'NORP', 3), ('disappointed',
'NORP', 1), ('!', '', 2), ('!', '', 2)]
Entities [('fries', 'PRODUCT'), ('worst fries', 'PRODUCT')]
Tokens [('Also', '', 2), (',', '', 2), ('the', '', 2), ('fries', 'PRODUCT', 3),
('are', '', 2), ('without', '', 2), ('a', '', 2), ('doubt', '', 2), ('the', '',
2), ('worst', 'PRODUCT', 3), ('fries', 'PRODUCT', 1), ('I', '', 2), ("'ve", '',
2), ('ever', '', 2), ('had', '', 2), ('.', '', 2)]
Entities [('love', 'NORP'), ('fries', 'PRODUCT'), ('beans', 'PRODUCT')]
Tokens [('I', '', 2), ('love', 'NORP', 3), ('their', '', 2), ('fries',
'PRODUCT', 3), ('and', '', 2), ('their', '', 2), ('beans', 'PRODUCT', 3), ('.',
'', 2)]
Entities [('promptly greeted', 'PERSON')]
Tokens [('We', '', 2), ('were', '', 2), ('promptly', 'PERSON', 3), ('greeted',
'PERSON', 1), ('and', '', 2), ('seated', '', 2), ('.', '', 2)]
Entities [('Good value', 'MONEY'), ('great food', 'PRODUCT'), ('great service',
'PERSON')]
Tokens [('Good', 'MONEY', 3), ('value', 'MONEY', 1), (',', '', 2), ('great',
'PRODUCT', 3), ('food', 'PRODUCT', 1), (',', '', 2), ('great', 'PERSON', 3),
('service', 'PERSON', 1), ('.', '', 2)]
Entities [('STALE', 'PRODUCT')]
Tokens [('Unfortunately', '', 2), (',', '', 2), ('we', '', 2), ('must', '', 2),
('have', '', 2), ('hit', '', 2), ('the', '', 2), ('bakery', '', 2), ('on', '',
2), ('leftover', '', 2), ('day', '', 2), ('because', '', 2), ('everything', '',
2), ('we', '', 2), ('ordered', '', 2), ('was', '', 2), ('STALE', 'PRODUCT', 3),
('.', '', 2)]
Entities [('fantastic', 'PRODUCT')]
Tokens [('A', '', 2), ('fantastic', 'PRODUCT', 3), ('neighborhood', '', 2),
('gem', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2)]
Entities [('better service', 'PERSON')]
Tokens [('We', '', 2), ("'ve", '', 2), ('have', '', 2), ('gotten', '', 2), ('a',
'', 2), ('much', '', 2), ('better', 'PERSON', 3), ('service', 'PERSON', 1),
('from', '', 2), ('the', '', 2), ('pizza', '', 2), ('place', '', 2), ('next',
'', 2), ('door', '', 2), ('than', '', 2), ('the', '', 2), ('services', '', 2),
('we', '', 2), ('received', '', 2), ('from', '', 2), ('this', '', 2),
('restaurant', '', 2), ('.', '', 2)]
Entities [('Han Nan Chicken', 'PRODUCT'), ('very tasty', 'PRODUCT')]
Tokens [('The', '', 2), ('Han', 'PRODUCT', 3), ('Nan', 'PRODUCT', 1),
('Chicken', 'PRODUCT', 1), ('was', '', 2), ('also', '', 2), ('very', 'PRODUCT',
3), ('tasty', 'PRODUCT', 1), ('.', '', 2)]
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Entities [('spotty service', 'PERSON')]
Tokens [('Con', '', 2), (':', '', 2), ('spotty', 'PERSON', 3), ('service',
'PERSON', 1), ('.', '', 2)]
Entities [('Indian naan bread', 'PRODUCT'), ('hummus', 'PRODUCT'), ('spicy',
'PRODUCT'), ('pine nut sauce', 'PRODUCT')]
Tokens [('They', '', 2), ('also', '', 2), ('now', '', 2), ('serve', '', 2),
('Indian', 'PRODUCT', 3), ('naan', 'PRODUCT', 1), ('bread', 'PRODUCT', 1),
('with', '', 2), ('hummus', 'PRODUCT', 3), ('and', '', 2), ('some', '', 2),
('spicy', 'PRODUCT', 3), ('pine', 'PRODUCT', 3), ('nut', 'PRODUCT', 1),
('sauce', 'PRODUCT', 1), ('that', '', 2), ('was', '', 2), ('out', '', 2), ('of',
'', 2), ('this', '', 2), ('world', '', 2), ('.', '', 2)]
Entities [('Strike 2', 'QUANTITY')]
Tokens [('Strike', 'QUANTITY', 3), ('2', 'QUANTITY', 1), (',', '', 2), ('who',
'', 2), ('wants', '', 2), ('to', '', 2), ('be', '', 2), ('rushed', '', 2), ('.',
'', 2)]
Entities [('best places', 'PRODUCT'), ('Phoenix metro area', 'LOC')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('hands', '', 2),
('-', '', 2), ('down', '', 2), ('one', '', 2), ('of', '', 2), ('the', '', 2),
('best', 'PRODUCT', 3), ('places', 'PRODUCT', 1), ('to', '', 2), ('eat', '', 2),
('in', '', 2), ('the', '', 2), ('Phoenix', 'LOC', 3), ('metro', 'LOC', 1),
('area', 'LOC', 1), ('.', '', 2)]
Entities [('service was outshining', 'PERSON'), ('Halibut', 'PRODUCT')]
Tokens [('The', '', 2), ('service', 'PERSON', 3), ('was', 'PERSON', 1),
('outshining', 'PERSON', 1), ('&', '', 2), ('I', '', 2), ('definitely', '', 2),
('recommend', '', 2), ('the', '', 2), ('Halibut', 'PRODUCT', 3), ('.', '', 2)]
Entities [('dirty', 'PRODUCT'), ('not always friendly', 'PERSON'), ('helpful',
'PERSON')]
Tokens [('The', '', 2), ('tables', '', 2), ('outside', '', 2), ('are', '', 2),
('also', '', 2), ('dirty', 'PRODUCT', 3), ('a', '', 2), ('lot', '', 2), ('of',
'', 2), ('the', '', 2), ('time', '', 2), ('and', '', 2), ('the', '', 2),
('workers', '', 2), ('are', '', 2), ('not', 'PERSON', 3), ('always', 'PERSON',
1), ('friendly', 'PERSON', 1), ('and', '', 2), ('helpful', 'PERSON', 3),
('with', '', 2), ('the', '', 2), ('menu', '', 2), ('.', '', 2)]
Entities [('pears', 'PRODUCT'), ('almonds', 'PRODUCT'), ('bacon is', 'PRODUCT'),
('big winner', 'PRODUCT')]
Tokens [('Not', '', 2), ('to', '', 2), ('mention', '', 2), ('the', '', 2),
('combination', '', 2), ('of', '', 2), ('pears', 'PRODUCT', 3), (',', '', 2),
('almonds', 'PRODUCT', 3), ('and', '', 2), ('bacon', 'PRODUCT', 3), ('is',
'PRODUCT', 1), ('a', '', 2), ('big', 'PRODUCT', 3), ('winner', 'PRODUCT', 1),
('!', '', 2)]
Entities [('pretty good', 'PRODUCT')]
Tokens [('Today', '', 2), ('is', '', 2), ('the', '', 2), ('second', '', 2),
('time', '', 2), ('I', '', 2), ("'ve", '', 2), ('been', '', 2), ('to', '', 2),
('their', '', 2), ('lunch', '', 2), ('buffet', '', 2), ('and', '', 2), ('it',
'', 2), ('was', '', 2), ('pretty', 'PRODUCT', 3), ('good', 'PRODUCT', 1), ('.',
'', 2)]
Entities [('jerk', 'PERSON')]
Tokens [('Waiter', '', 2), ('was', '', 2), ('a', '', 2), ('jerk', 'PERSON', 3),
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('.', '', 2)]
Entities [('super friendly', 'PERSON')]
Tokens [('And', '', 2), ('service', '', 2), ('was', '', 2), ('super', 'PERSON',
3), ('friendly', 'PERSON', 1), ('.', '', 2)]
Entities [('Best service', 'PERSON'), ('good', 'PERSON')]
Tokens [('Best', 'PERSON', 3), ('service', 'PERSON', 1), ('and', '', 2),
('food', '', 2), ('ever', '', 2), (',', '', 2), ('Maria', '', 2), ('our', '',
2), ('server', '', 2), ('was', '', 2), ('so', '', 2), ('good', 'PERSON', 3),
('and', '', 2), ('friendly', '', 2), ('she', '', 2), ('made', '', 2), ('our',
'', 2), ('day', '', 2), ('.', '', 2)]
Entities [('1.5lb', 'QUANTITY'), ('3/4ths', 'QUANTITY')]
Tokens [('It', '', 2), ('was', '', 2), ('a', '', 2), ('huge', '', 2),
('awkward', '', 2), ('1.5', 'QUANTITY', 3), ('lb', 'QUANTITY', 1), ('piece', '',
2), ('of', '', 2), ('cow', '', 2), ('that', '', 2), ('was', '', 2), ('3/4ths',
'QUANTITY', 3), ('gristle', '', 2), ('and', '', 2), ('fat', '', 2), ('.', '',
2)]
Entities [('terrible', 'PERSON')]
Tokens [('He', '', 2), ('was', '', 2), ('terrible', 'PERSON', 3), ('!', '', 2)]
Entities [('sucker dry', 'PRODUCT')]
Tokens [('Boy', '', 2), ('was', '', 2), ('that', '', 2), ('sucker', 'PRODUCT',
3), ('dry', 'PRODUCT', 1), ('!', '', 2), ('!', '', 2), ('.', '', 2)]
Entities [('Good', 'PRODUCT'), ('beer', 'PRODUCT')]
Tokens [('Good', 'PRODUCT', 3), ('beer', 'PRODUCT', 3), ('&', '', 2), ('drink',
'', 2), ('selection', '', 2), ('and', '', 2), ('good', '', 2), ('food', '', 2),
('selection', '', 2), ('.', '', 2)]
Entities [('exquisite', 'PRODUCT')]
Tokens [('The', '', 2), ('restaurant', '', 2), ('atmosphere', '', 2), ('was',
'', 2), ('exquisite', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Bland', 'PRODUCT'), ('flavorless', 'PRODUCT'), ('barely tepid',
'PRODUCT'), ('meat', 'PRODUCT')]
Tokens [('Bland', 'PRODUCT', 3), ('and', '', 2), ('flavorless', 'PRODUCT', 3),
('is', '', 2), ('a', '', 2), ('good', '', 2), ('way', '', 2), ('of', '', 2),
('describing', '', 2), ('the', '', 2), ('barely', 'PRODUCT', 3), ('tepid',
'PRODUCT', 1), ('meat', 'PRODUCT', 3), ('.', '', 2)]
Entities [('nachos', 'PRODUCT')]
Tokens [('The', '', 2), ('nachos', 'PRODUCT', 3), ('are', '', 2), ('a', '', 2),
('MUST', '', 2), ('HAVE', '', 2), ('!', '', 2)]
Entities [('Eclectic', 'PRODUCT')]
Tokens [('Eclectic', 'PRODUCT', 3), ('selection', '', 2), ('.', '', 2)]
Entities [('Hot & Sour', 'PRODUCT'), ('Egg Flower Soups', 'PRODUCT'), ('5
Stars', 'CARDINAL')]
Tokens [('*', '', 2), ('Both', '', 2), ('the', '', 2), ('Hot', 'PRODUCT', 3),
('&', 'PRODUCT', 1), ('Sour', 'PRODUCT', 1), ('&', '', 2), ('the', '', 2),
('Egg', 'PRODUCT', 3), ('Flower', 'PRODUCT', 1), ('Soups', 'PRODUCT', 1),
('were', '', 2), ('absolutely', '', 2), ('5', 'CARDINAL', 3), ('Stars',
'CARDINAL', 1), ('!', '', 2)]
Entities [('amazing', 'PRODUCT')]
Tokens [('In', '', 2), ('an', '', 2), ('interesting', '', 2), ('part', '', 2),
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('of', '', 2), ('town', '', 2), (',', '', 2), ('this', '', 2), ('place', '', 2),
('is', '', 2), ('amazing', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Bloody Mary', 'PRODUCT')]
Tokens [('My', '', 2), ('friend', '', 2), ('did', '', 2), ('not', '', 2),
('like', '', 2), ('his', '', 2), ('Bloody', 'PRODUCT', 3), ('Mary', 'PRODUCT',
1), ('.', '', 2)]
Entities [('BARGAIN', 'MONEY')]
Tokens [('This', '', 2), ('is', '', 2), ('an', '', 2), ('unbelievable', '', 2),
('BARGAIN', 'MONEY', 3), ('!', '', 2)]
Entities [('rich', 'PRODUCT')]
Tokens [('-', '', 2), ('the', '', 2), ('food', '', 2), ('is', '', 2), ('rich',
'PRODUCT', 3), ('so', '', 2), ('order', '', 2), ('accordingly', '', 2), ('.',
'', 2)]
Entities [('Albondigas soup', 'PRODUCT'), ('just warm', 'PRODUCT'), ('tomato
soup', 'PRODUCT'), ('frozen meatballs', 'PRODUCT')]
Tokens [('I', '', 2), ('ordered', '', 2), ('Albondigas', 'PRODUCT', 3), ('soup',
'PRODUCT', 1), ('-', '', 2), ('which', '', 2), ('was', '', 2), ('just',
'PRODUCT', 3), ('warm', 'PRODUCT', 1), ('-', '', 2), ('and', '', 2), ('tasted',
'', 2), ('like', '', 2), ('tomato', 'PRODUCT', 3), ('soup', 'PRODUCT', 1),
('with', '', 2), ('frozen', 'PRODUCT', 3), ('meatballs', 'PRODUCT', 1), ('.',
'', 2)]
Entities [('chicken', 'PRODUCT'), ('beef', 'PRODUCT')]
Tokens [('The', '', 2), ('chicken', 'PRODUCT', 3), ('dishes', '', 2), ('are',
'', 2), ('OK', '', 2), (',', '', 2), ('the', '', 2), ('beef', 'PRODUCT', 3),
('is', '', 2), ('like', '', 2), ('shoe', '', 2), ('leather', '', 2), ('.', '',
2)]
Entities [('burger', 'PRODUCT'), ('fries', 'PRODUCT'), ('beer', 'PRODUCT'),
('23', 'QUANTITY'), ('decent deal', 'MONEY')]
Tokens [('Also', '', 2), ('there', '', 2), ('are', '', 2), ('combos', '', 2),
('like', '', 2), ('a', '', 2), ('burger', 'PRODUCT', 3), (',', '', 2), ('fries',
'PRODUCT', 3), (',', '', 2), ('and', '', 2), ('beer', 'PRODUCT', 3), ('for', '',
2), ('23', 'QUANTITY', 3), ('which', '', 2), ('is', '', 2), ('a', '', 2),
('decent', 'MONEY', 3), ('deal', 'MONEY', 1), ('.', '', 2)]
Entities [('better atmosphere', 'PRODUCT')]
Tokens [('I', '', 2), ("'ve", '', 2), ('had', '', 2), ('better', 'PRODUCT', 3),
('atmosphere', 'PRODUCT', 1), ('.', '', 2)]
Entities [('20 minutes', 'TIME')]
Tokens [('We', '', 2), ('literally', '', 2), ('sat', '', 2), ('there', '', 2),
('for', '', 2), ('20', 'TIME', 3), ('minutes', 'TIME', 1), ('with', '', 2),
('no', '', 2), ('one', '', 2), ('asking', '', 2), ('to', '', 2), ('take', '',
2), ('our', '', 2), ('order', '', 2), ('.', '', 2)]
Entities [("Joey's", 'PRODUCT'), ('best', 'PRODUCT'), ('hot dog', 'PRODUCT'),
('Valley', 'LOC'), ('Phoenix', 'LOC')]
Tokens [('I', '', 2), ("'m", '', 2), ('not', '', 2), ('really', '', 2), ('sure',
'', 2), ('how', '', 2), ('Joey', 'PRODUCT', 3), ("'s", 'PRODUCT', 1), ('was',
'', 2), ('voted', '', 2), ('best', 'PRODUCT', 3), ('hot', 'PRODUCT', 3), ('dog',
'PRODUCT', 1), ('in', '', 2), ('the', '', 2), ('Valley', 'LOC', 3), ('by', '',
2), ('readers', '', 2), ('of', '', 2), ('Phoenix', 'LOC', 3), ('Magazine', '',

2), ('.', '', 2)]
Entities [('coffee cafe', 'PRODUCT'), ('wildly disappointed', 'NORP')]
Tokens [('For', '', 2), ('a', '', 2), ('self', '', 2), ('proclaimed', '', 2),
('coffee', 'PRODUCT', 3), ('cafe', 'PRODUCT', 1), (',', '', 2), ('I', '', 2),
('was', '', 2), ('wildly', 'NORP', 3), ('disappointed', 'NORP', 1), ('.', '',
2)]
Entities [('double', 'QUANTITY'), ('cheeseburger', 'PRODUCT')]
Tokens [('What', '', 2), ('a', '', 2), ('great', '', 2), ('double', 'QUANTITY',
3), ('cheeseburger', 'PRODUCT', 3), ('!', '', 2)]
Entities [('Reasonably priced', 'MONEY')]
Tokens [('Reasonably', 'MONEY', 3), ('priced', 'MONEY', 1), ('also', '', 2),
('!', '', 2)]
Entities [('Bachi Burger', 'PRODUCT'), ('not disappointed', 'NORP')]
Tokens [('I', '', 2), ('went', '', 2), ('to', '', 2), ('Bachi', 'PRODUCT', 3),
('Burger', 'PRODUCT', 1), ('on', '', 2), ('a', '', 2), ('friend', '', 2), ("'s",
'', 2), ('recommendation', '', 2), ('and', '', 2), ('was', '', 2), ('not',
'NORP', 3), ('disappointed', 'NORP', 1), ('.', '', 2)]
Entities [('tea', 'PRODUCT'), ('biscuits', 'PRODUCT')]
Tokens [('The', '', 2), ('ambiance', '', 2), ('here', '', 2), ('did', '', 2),
('not', '', 2), ('feel', '', 2), ('like', '', 2), ('a', '', 2), ('buffet', '',
2), ('setting', '', 2), (',', '', 2), ('but', '', 2), ('more', '', 2), ('of',
'', 2), ('a', '', 2), ('douchey', '', 2), ('indoor', '', 2), ('garden', '', 2),
('for', '', 2), ('tea', 'PRODUCT', 3), ('and', '', 2), ('biscuits', 'PRODUCT',
3), ('.', '', 2)]
Entities [('fairly clean', 'PRODUCT'), ("simply wasn't worth", 'MONEY')]
Tokens [('The', '', 2), ('place', '', 2), ('was', '', 2), ('fairly', 'PRODUCT',
3), ('clean', 'PRODUCT', 1), ('but', '', 2), ('the', '', 2), ('food', '', 2),
('simply', 'MONEY', 3), ('was', 'MONEY', 1), ("n't", 'MONEY', 1), ('worth',
'MONEY', 1), ('it', '', 2), ('.', '', 2)]
Entities [('very impressed', 'NORP'), ('Noca', 'PRODUCT')]
Tokens [('Overall', '', 2), ('I', '', 2), ('was', '', 2), ("n't", '', 2),
('very', 'NORP', 3), ('impressed', 'NORP', 1), ('with', '', 2), ('Noca',
'PRODUCT', 3), ('.', '', 2)]
Entities [('happy', 'NORP'), ('stuffed', 'PRODUCT')]
Tokens [('Come', '', 2), ('hungry', '', 2), (',', '', 2), ('leave', '', 2),
('happy', 'NORP', 3), ('and', '', 2), ('stuffed', 'PRODUCT', 3), ('!', '', 2)]
Entities [('pasta', 'PRODUCT'), ('thin pizzas', 'PRODUCT')]
Tokens [('I', '', 2), ('do', '', 2), ("n't", '', 2), ('each', '', 2), ('much',
'', 2), ('pasta', 'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('I', '', 2),
('love', '', 2), ('the', '', 2), ('homemade', '', 2), ('/hand', '', 2), ('made',
'', 2), ('pastas', '', 2), ('and', '', 2), ('thin', 'PRODUCT', 3), ('pizzas',
'PRODUCT', 1), ('here', '', 2), ('.', '', 2)]
Entities [('stale', 'PRODUCT')]
Tokens [('The', '', 2), ('place', '', 2), ('was', '', 2), ('not', '', 2),
('clean', '', 2), ('and', '', 2), ('the', '', 2), ('food', '', 2), ('oh', '',
2), ('so', '', 2), ('stale', 'PRODUCT', 3), ('!', '', 2)]
Entities [('spinach', 'PRODUCT'), ('avocado salad', 'PRODUCT'), ('sad',
'PRODUCT'), ('zero taste', 'QUANTITY')]

Tokens [('We', '', 2), ('also', '', 2), ('ordered', '', 2), ('the', '', 2),
('spinach', 'PRODUCT', 3), ('and', '', 2), ('avocado', 'PRODUCT', 3), ('salad',
'PRODUCT', 1), (',', '', 2), ('the', '', 2), ('ingredients', '', 2), ('were',
'', 2), ('sad', 'PRODUCT', 3), ('and', '', 2), ('the', '', 2), ('dressing', '',
2), ('literally', '', 2), ('had', '', 2), ('zero', 'QUANTITY', 3), ('taste',
'QUANTITY', 1), ('.', '', 2)]
Entities [('4 stars', 'CARDINAL'), ('awesome', 'PERSON')]
Tokens [('In', '', 2), ('fact', '', 2), ('I', '', 2), ("'m", '', 2), ('going',
'', 2), ('to', '', 2), ('round', '', 2), ('up', '', 2), ('to', '', 2), ('4',
'CARDINAL', 3), ('stars', 'CARDINAL', 1), (',', '', 2), ('just', '', 2),
('because', '', 2), ('she', '', 2), ('was', '', 2), ('so', '', 2), ('awesome',
'PERSON', 3), ('.', '', 2)]
Entities [('insulted', 'NORP'), ('disrespected', 'NORP')]
Tokens [('i', '', 2), ('felt', '', 2), ('insulted', 'NORP', 3), ('and', '', 2),
('disrespected', 'NORP', 3), (',', '', 2), ('how', '', 2), ('could', '', 2),
('you', '', 2), ('talk', '', 2), ('and', '', 2), ('judge', '', 2), ('another',
'', 2), ('human', '', 2), ('being', '', 2), ('like', '', 2), ('that', '', 2),
('?', '', 2)]
Entities [('delicious', 'PRODUCT')]
Tokens [('It', '', 2), ('was', '', 2), ('delicious', 'PRODUCT', 3), ('!', '',
2), ('!', '', 2), ('!', '', 2)]
Entities [('nice', 'PERSON')]
Tokens [('The', '', 2), ('bartender', '', 2), ('was', '', 2), ('also', '', 2),
('nice', 'PERSON', 3), ('.', '', 2)]
Entities [('twice', 'QUANTITY'), ('enjoyed', 'NORP'), ('salmon salad',
'PRODUCT')]
Tokens [('I', '', 2), ('ate', '', 2), ('there', '', 2), ('twice', 'QUANTITY',
3), ('on', '', 2), ('my', '', 2), ('last', '', 2), ('visit', '', 2), (',', '',
2), ('and', '', 2), ('especially', '', 2), ('enjoyed', 'NORP', 3), ('the', '',
2), ('salmon', 'PRODUCT', 3), ('salad', 'PRODUCT', 1), ('.', '', 2)]
Entities [('cocktails', 'PRODUCT'), ('delicious', 'PRODUCT')]
Tokens [('The', '', 2), ('cocktails', 'PRODUCT', 3), ('are', '', 2), ('all', '',
2), ('handmade', '', 2), ('and', '', 2), ('delicious', 'PRODUCT', 3), ('.', '',
2)]
Entities [('worse', 'PRODUCT')]
Tokens [('It', '', 2), ('kept', '', 2), ('getting', '', 2), ('worse', 'PRODUCT',
3), ('and', '', 2), ('worse', '', 2), ('so', '', 2), ('now', '', 2), ('I', '',
2), ("'m", '', 2), ('officially', '', 2), ('done', '', 2), ('.', '', 2)]
Entities [('first taste', 'QUANTITY'), ('Buldogis Gourmet Hot Dog', 'PRODUCT')]
Tokens [('Today', '', 2), ('was', '', 2), ('my', '', 2), ('first', 'QUANTITY',
3), ('taste', 'QUANTITY', 1), ('of', '', 2), ('a', '', 2), ('Buldogis',
'PRODUCT', 3), ('Gourmet', 'PRODUCT', 1), ('Hot', 'PRODUCT', 1), ('Dog',
'PRODUCT', 1), ('and', '', 2), ('I', '', 2), ('have', '', 2), ('to', '', 2),
('tell', '', 2), ('you', '', 2), ('it', '', 2), ('was', '', 2), ('more', '', 2),
('than', '', 2), ('I', '', 2), ('ever', '', 2), ('thought', '', 2), ('possible',
'', 2), ('.', '', 2)]
Entities [('Crema Café', 'PRODUCT'), ('BEST', 'PRODUCT')]
Tokens [('I', '', 2), ('really', '', 2), ('enjoyed', '', 2), ('Crema',

'PRODUCT', 3), ('Café', 'PRODUCT', 1), ('before', '', 2), ('they', '', 2),
('expanded', '', 2), ('.', '', 2), ('I', '', 2), ('even', '', 2), ('told', '',
2), ('friends', '', 2), ('they', '', 2), ('had', '', 2), ('the', '', 2),
('BEST', 'PRODUCT', 3), ('breakfast', '', 2), ('.', '', 2)]
Entities [('stuffed', 'NORP'), ('happy', 'NORP'), ('first', 'QUANTITY'),
('Vegas', 'LOC')]
Tokens [('We', '', 2), ('walked', '', 2), ('away', '', 2), ('stuffed', 'NORP',
3), ('and', '', 2), ('happy', 'NORP', 3), ('about', '', 2), ('our', '', 2),
('first', 'QUANTITY', 3), ('Vegas', 'LOC', 3), ('buffet', '', 2), ('experience',
'', 2), ('.', '', 2)]
Entities [('wonderful', 'PRODUCT'), ('delicious', 'PRODUCT')]
Tokens [('As', '', 2), ('always', '', 2), ('the', '', 2), ('evening', '', 2),
('was', '', 2), ('wonderful', 'PRODUCT', 3), ('and', '', 2), ('the', '', 2),
('food', '', 2), ('delicious', 'PRODUCT', 3), ('!', '', 2)]
Entities [('humiliated', 'PERSON'), ('horrible', 'PERSON')]
Tokens [('Worse', '', 2), ('of', '', 2), ('all', '', 2), (',', '', 2), ('he',
'', 2), ('humiliated', 'PERSON', 3), ('his', '', 2), ('worker', '', 2),
('right', '', 2), ('in', '', 2), ('front', '', 2), ('of', '', 2), ('me', '', 2),
('..', '', 2), ('Bunch', '', 2), ('of', '', 2), ('horrible', 'PERSON', 3),
('name', '', 2), ('callings', '', 2), ('.', '', 2)]
Entities [('largely disappointing', 'NORP')]
Tokens [('In', '', 2), ('summary', '', 2), (',', '', 2), ('this', '', 2),
('was', '', 2), ('a', '', 2), ('largely', 'NORP', 3), ('disappointing', 'NORP',
1), ('dining', '', 2), ('experience', '', 2), ('.', '', 2)]
Entities [('sushi', 'PRODUCT'), ('Vegas', 'LOC')]
Tokens [('Would', '', 2), ('come', '', 2), ('back', '', 2), ('again', '', 2),
('if', '', 2), ('I', '', 2), ('had', '', 2), ('a', '', 2), ('sushi', 'PRODUCT',
3), ('craving', '', 2), ('while', '', 2), ('in', '', 2), ('Vegas', 'LOC', 3),
('.', '', 2)]
Entities [('gratuity', 'MONEY'), ('6 or 8', 'QUANTITY')]
Tokens [('One', '', 2), ('nice', '', 2), ('thing', '', 2), ('was', '', 2),
('that', '', 2), ('they', '', 2), ('added', '', 2), ('gratuity', 'MONEY', 3),
('on', '', 2), ('the', '', 2), ('bill', '', 2), ('since', '', 2), ('our', '',
2), ('party', '', 2), ('was', '', 2), ('larger', '', 2), ('than', '', 2), ('6',
'QUANTITY', 3), ('or', 'QUANTITY', 1), ('8', 'QUANTITY', 1), (',', '', 2),
('and', '', 2), ('they', '', 2), ('did', '', 2), ("n't", '', 2), ('expect', '',
2), ('more', '', 2), ('tip', '', 2), ('than', '', 2), ('that', '', 2), ('.', '',
2)]
Entities [('burgers', 'PRODUCT'), ('amazing', 'PRODUCT')]
Tokens [('Those', '', 2), ('burgers', 'PRODUCT', 3), ('were', '', 2),
('amazing', 'PRODUCT', 3), ('.', '', 2)]
Entities [('good thing', 'PERSON'), ('helpful', 'PERSON'), ("bloddy mary's",
'PRODUCT')]
Tokens [('The', '', 2), ('only', '', 2), ('good', 'PERSON', 3), ('thing',
'PERSON', 1), ('was', '', 2), ('our', '', 2), ('waiter', '', 2), (',', '', 2),
('he', '', 2), ('was', '', 2), ('very', '', 2), ('helpful', 'PERSON', 3),
('and', '', 2), ('kept', '', 2), ('the', '', 2), ('bloddy', 'PRODUCT', 3),
('mary', 'PRODUCT', 1), ("'s", 'PRODUCT', 1), ('coming', '', 2), ('.', '', 2)]

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Entities [('AZ', 'PRODUCT')]
Tokens [('I', '', 2), ('m', '', 2), ('in', '', 2), ('AZ', 'PRODUCT', 3), ('all',
'', 2), ('the', '', 2), ('time', '', 2), ('and', '', 2), ('now', '', 2),
('have', '', 2), ('my', '', 2), ('new', '', 2), ('spot', '', 2), ('.', '', 2)]
Entities [('Awesome service', 'PERSON')]
Tokens [('Awesome', 'PERSON', 3), ('service', 'PERSON', 1), ('and', '', 2),
('food', '', 2), ('.', '', 2)]
Entities [('meh', 'PRODUCT')]
Tokens [('The', '', 2), ('service', '', 2), ('was', '', 2), ('meh', 'PRODUCT',
3), ('.', '', 2)]
Entities [("won't disappoint", 'NORP')]
Tokens [('I', '', 2), ('promise', '', 2), ('they', '', 2), ('wo', 'NORP', 3),
("n't", 'NORP', 1), ('disappoint', 'NORP', 1), ('.', '', 2)]
Entities [('The chains', 'PRODUCT')]
Tokens [('The', 'PRODUCT', 3), ('chains', 'PRODUCT', 1), (',', '', 2), ('which',
'', 2), ('I', '', 2), ("'m", '', 2), ('no', '', 2), ('fan', '', 2), ('of', '',
2), (',', '', 2), ('beat', '', 2), ('this', '', 2), ('place', '', 2), ('easily',
'', 2), ('.', '', 2)]
Entities [('tiny', 'PRODUCT'), ('elegantly decorated', 'PRODUCT'),
('comfortable', 'PRODUCT')]
Tokens [('The', '', 2), ('dining', '', 2), ('space', '', 2), ('is', '', 2),
('tiny', 'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('elegantly', 'PRODUCT',
3), ('decorated', 'PRODUCT', 1), ('and', '', 2), ('comfortable', 'PRODUCT', 3),
('.', '', 2)]
Entities [('chips', 'PRODUCT'), ('sals', 'PRODUCT'), ('amazing', 'PRODUCT')]
Tokens [('The', '', 2), ('chips', 'PRODUCT', 3), ('and', '', 2), ('sals',
'PRODUCT', 3), ('a', '', 2), ('here', '', 2), ('is', '', 2), ('amazing',
'PRODUCT', 3), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '',
2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!',
'', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2), ('!', '', 2),
('!', '', 2), ('!', '', 2), ('!', '', 2)]
Entities [('Chipotle', 'PRODUCT'), ('BETTER', 'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('like', '', 2),
('Chipotle', 'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('BETTER', 'PRODUCT',
3), ('.', '', 2)]
Entities [('happier', 'NORP')]
Tokens [('I', '', 2), ('found', '', 2), ('this', '', 2), ('place', '', 2),
('by', '', 2), ('accident', '', 2), ('and', '', 2), ('I', '', 2), ('could', '',
2), ('not', '', 2), ('be', '', 2), ('happier', 'NORP', 3), ('.', '', 2)]
Entities [('10 minutes', 'TIME')]
Tokens [('At', '', 2), ('least', '', 2), ('think', '', 2), ('to', '', 2),
('refill', '', 2), ('my', '', 2), ('water', '', 2), ('before', '', 2), ('I', '',
2), ('struggle', '', 2), ('to', '', 2), ('wave', '', 2), ('you', '', 2),
('over', '', 2), ('for', '', 2), ('10', 'TIME', 3), ('minutes', 'TIME', 1),
('.', '', 2)]
Entities [('pretty well', 'PRODUCT')]
Tokens [('I', '', 2), ('do', '', 2), ("n't", '', 2), ('have', '', 2), ('very',
'', 2), ('many', '', 2), ('words', '', 2), ('to', '', 2), ('say', '', 2),
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('about', '', 2), ('this', '', 2), ('place', '', 2), (',', '', 2), ('but', '', 2), ('it', '', 2), ('does', '', 2), ('everything', '', 2), ('pretty', 'PRODUCT', 3), ('well', 'PRODUCT', 1), ('.', '', 2)]
Entities [('wings', 'PRODUCT'), ('pizza', 'PRODUCT')]
Tokens [('I', '', 2), ('would', '', 2), ('definitely', '', 2), ('recommend', '', 2), ('the', '', 2), ('wings', 'PRODUCT', 3), ('as', '', 2), ('well', '', 2), ('as', '', 2), ('the', '', 2), ('pizza', 'PRODUCT', 3), ('.', '', 2)]
Entities [('great job handling', 'PERSON')]
Tokens [('Server', '', 2), ('did', '', 2), ('a', '', 2), ('great', 'PERSON', 3), ('job', 'PERSON', 1), ('handling', 'PERSON', 1), ('our', '', 2), ('large', '', 2), ('rowdy', '', 2), ('table', '', 2), ('.', '', 2)]
Entities [('bad', 'NORP')]
Tokens [('I', '', 2), ("'ve", '', 2), ('never', '', 2), ('been', '', 2), ('treated', '', 2), ('so', '', 2), ('bad', 'NORP', 3), ('.', '', 2)]
Entities [('wonderful experience', 'PRODUCT')]
Tokens [('This', '', 2), ('wonderful', 'PRODUCT', 3), ('experience', 'PRODUCT', 1), ('made', '', 2), ('this', '', 2), ('place', '', 2), ('a', '', 2), ('must', '', 2), ('-', '', 2), ('stop', '', 2), ('whenever', '', 2), ('we', '', 2), ('are', '', 2), ('in', '', 2), ('town', '', 2), ('again', '', 2), ('.', '', 2)]
Entities [('very delightful', 'NORP')]
Tokens [('In', '', 2), ('the', '', 2), ('summer', '', 2), (',', '', 2), ('you', '', 2), ('can', '', 2), ('dine', '', 2), ('in', '', 2), ('a', '', 2), ('charming', '', 2), ('outdoor', '', 2), ('patio', '', 2), ('-', '', 2), ('so', '', 2), ('very', 'NORP', 3), ('delightful', 'NORP', 1), ('.', '', 2)]
Entities [('friendly', 'PERSON')]
Tokens [('The', '', 2), ('cashier', '', 2), ('was', '', 2), ('friendly', 'PERSON', 3), ('and', '', 2), ('even', '', 2), ('brought', '', 2), ('the', '', 2), ('food', '', 2), ('out', '', 2), ('to', '', 2), ('me', '', 2), ('.', '', 2)]
Entities [('chips', 'PRODUCT')]
Tokens [('Also', '', 2), (',', '', 2), ('I', '', 2), ('feel', '', 2), ('like', '', 2), ('the', '', 2), ('chips', 'PRODUCT', 3), ('are', '', 2), ('bought', '', 2), (',', '', 2), ('not', '', 2), ('made', '', 2), ('in', '', 2), ('house', '', 2), ('.', '', 2)]
Entities [('sergeant pepper beef sandwich', 'PRODUCT'), ('auju sauce', 'PRODUCT'), ('excellent', 'PRODUCT')]
Tokens [('The', '', 2), ('sergeant', 'PRODUCT', 3), ('pepper', 'PRODUCT', 1), ('beef', 'PRODUCT', 1), ('sandwich', 'PRODUCT', 1), ('with', '', 2), ('auju', 'PRODUCT', 3), ('sauce', 'PRODUCT', 1), ('is', '', 2), ('an', '', 2), ('excellent', 'PRODUCT', 3), ('sandwich', '', 2), ('as', '', 2), ('well', '', 2), ('.', '', 2)]
Entities [('server was great', 'PERSON'), ('perfect service', 'PERSON')]
Tokens [('I', '', 2), ('want', '', 2), ('to', '', 2), ('first', '', 2), ('say', '', 2), ('our', '', 2), ('server', 'PERSON', 3), ('was', 'PERSON', 1), ('great', 'PERSON', 1), ('and', '', 2), ('we', '', 2), ('had', '', 2), ('perfect', 'PERSON', 3), ('service', 'PERSON', 1), ('.', '', 2)]
Entities [('toasted English muffin', 'PRODUCT'), ('untoasted', 'PRODUCT')]
Tokens [('She', '', 2), ('ordered', '', 2), ('a', '', 2), ('toasted', 'PRODUCT', 3), ('English', 'PRODUCT', 1), ('muffin', 'PRODUCT', 1), ('that', '', 2),

('came', '', 2), ('out', '', 2), ('untoasted', 'PRODUCT', 3), ('.', '', 2)]
Entities [('quite disappointed', 'NORP')]
Tokens [('She', '', 2), ('was', '', 2), ('quite', 'NORP', 3), ('disappointed', 'NORP', 1), ('although', '', 2), ('some', '', 2), ('blame', '', 2), ('needs', '', 2), ('to', '', 2), ('be', '', 2), ('placed', '', 2), ('at', '', 2), ('her', '', 2), ('door', '', 2), ('.', '', 2)]
Entities [('great service', 'NORP'), ('unique menu', 'PRODUCT'), ('beautiful setting', 'PRODUCT')]
Tokens [('All', '', 2), ('in', '', 2), ('all', '', 2), ('an', '', 2), ('excellent', '', 2), ('restaurant', '', 2), ('highlighted', '', 2), ('by', '', 2), ('great', 'NORP', 3), ('service', 'NORP', 1), (',', '', 2), ('a', '', 2), ('unique', 'PRODUCT', 3), ('menu', 'PRODUCT', 1), (',', '', 2), ('and', '', 2), ('a', '', 2), ('beautiful', 'PRODUCT', 3), ('setting', 'PRODUCT', 1), ('.', '', 2)]
Entities [('above average', 'CARDINAL')]
Tokens [('No', '', 2), ('one', '', 2), ('at', '', 2), ('the', '', 2), ('table', '', 2), ('thought', '', 2), ('the', '', 2), ('food', '', 2), ('was', '', 2), ('above', 'CARDINAL', 3), ('average', 'CARDINAL', 1), ('or', '', 2), ('worth', '', 2), ('the', '', 2), ('wait', '', 2), ('that', '', 2), ('we', '', 2), ('had', '', 2), ('for', '', 2), ('it', '', 2), ('.', '', 2)]
Entities [('enjoy', 'NORP'), ('pizza', 'PRODUCT')]
Tokens [('We', '', 2), ('enjoy', 'NORP', 3), ('their', '', 2), ('pizza', 'PRODUCT', 3), ('and', '', 2), ('brunch', '', 2), ('.', '', 2)]
Entities [('RUDE & INCONSIDERATE', 'PERSON')]
Tokens [('RUDE', 'PERSON', 3), ('&', 'PERSON', 1), ('INCONSIDERATE', 'PERSON', 1), ('MANAGEMENT', '', 2), ('.', '', 2)]
Entities [('salad', 'PRODUCT'), ('wings', 'PRODUCT'), ('ice cream', 'PRODUCT'), ('quite satisfied', 'NORP')]
Tokens [('I', '', 2), ('had', '', 2), ('a', '', 2), ('salad', 'PRODUCT', 3), ('with', '', 2), ('the', '', 2), ('wings', 'PRODUCT', 3), (',', '', 2), ('and', '', 2), ('some', '', 2), ('ice', 'PRODUCT', 3), ('cream', 'PRODUCT', 1), ('for', '', 2), ('dessert', '', 2), ('and', '', 2), ('left', '', 2), ('feeling', '', 2), ('quite', 'NORP', 3), ('satisfied', 'NORP', 1), ('.', '', 2)]
Entities [('first time', 'TIME'), ('Vegas', 'LOC'), ('more pleased', 'NORP')]
Tokens [('My', '', 2), ('boyfriend', '', 2), ('and', '', 2), ('I', '', 2), ('came', '', 2), ('here', '', 2), ('for', '', 2), ('the', '', 2), ('first', 'TIME', 3), ('time', 'TIME', 1), ('on', '', 2), ('a', '', 2), ('recent', '', 2), ('trip', '', 2), ('to', '', 2), ('Vegas', 'LOC', 3), ('and', '', 2), ('could', '', 2), ('not', '', 2), ('have', '', 2), ('been', '', 2), ('more', 'NORP', 3), ('pleased', 'NORP', 1), ('with', '', 2), ('the', '', 2), ('quality', '', 2), ('of', '', 2), ('food', '', 2), ('and', '', 2), ('service', '', 2), ('.', '', 2)]
Entities [('burned', 'PRODUCT'), ('saganaki', 'PRODUCT')]
Tokens [('Things', '', 2), ('that', '', 2), ('went', '', 2), ('wrong', '', 2), (':', '', 2), ('-', '', 2), ('They', '', 2), ('burned', 'PRODUCT', 3), ('the', '', 2), ('saganaki', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Crostini', 'PRODUCT'), ('salad', 'PRODUCT'), ('stale', 'PRODUCT')]
Tokens [('Crostini', 'PRODUCT', 3), ('that', '', 2), ('came', '', 2), ('with',

'', 2), ('the', '', 2), ('salad', 'PRODUCT', 3), ('was', '', 2), ('stale',
'PRODUCT', 3), ('.', '', 2)]
Entities [('Eggplant', 'PRODUCT'), ('Green Bean stir fry', 'PRODUCT'), ('love
it', 'NORP')]
Tokens [('They', '', 2), ('will', '', 2), ('customize', '', 2), ('your', '', 2),
('order', '', 2), ('any', '', 2), ('way', '', 2), ('you', '', 2), ("'d", '', 2),
('like', '', 2), (',', '', 2), ('my', '', 2), ('usual', '', 2), ('is', '', 2),
('Eggplant', 'PRODUCT', 3), ('with', '', 2), ('Green', 'PRODUCT', 3), ('Bean',
'PRODUCT', 1), ('stir', 'PRODUCT', 1), ('fry', 'PRODUCT', 1), (',', '', 2),
('love', 'NORP', 3), ('it', 'NORP', 1), ('!', '', 2)]
Entities [('5 stars', 'CARDINAL'), ('5 stars', 'CARDINAL')]
Tokens [('I', '', 2), ('gave', '', 2), ('it', '', 2), ('5', 'CARDINAL', 3),
('stars', 'CARDINAL', 1), ('then', '', 2), (',', '', 2), ('and', '', 2), ('I',
'', 2), ("'m", '', 2), ('giving', '', 2), ('it', '', 2), ('5', 'CARDINAL', 3),
('stars', 'CARDINAL', 1), ('now', '', 2), ('.', '', 2)]
Entities [('horrible', 'PRODUCT'), ('overpriced', 'MONEY')]
Tokens [('This', '', 2), ('place', '', 2), ('is', '', 2), ('horrible',
'PRODUCT', 3), ('and', '', 2), ('way', '', 2), ('overpriced', 'MONEY', 3), ('.',
'', 2)]
Entities [('disgraceful', 'PRODUCT')]
Tokens [('I', '', 2), ('guess', '', 2), ('maybe', '', 2), ('we', '', 2),
('went', '', 2), ('on', '', 2), ('an', '', 2), ('off', '', 2), ('night', '', 2),
('but', '', 2), ('it', '', 2), ('was', '', 2), ('disgraceful', 'PRODUCT', 3),
('.', '', 2)]
Entities [('Highly unprofessional', 'PERSON'), ('rude', 'PERSON')]
Tokens [('Highly', 'PERSON', 3), ('unprofessional', 'PERSON', 1), ('and', '',
2), ('rude', 'PERSON', 3), ('to', '', 2), ('a', '', 2), ('loyal', '', 2),
('patron', '', 2), ('!', '', 2)]
Entities [('sucked', 'PERSON')]
Tokens [('Your', '', 2), ('servers', '', 2), ('suck', '', 2), (',', '', 2),
('wait', '', 2), (',', '', 2), ('correction', '', 2), (',', '', 2), ('our', '',
2), ('server', '', 2), ('Heimer', '', 2), ('sucked', 'PERSON', 3), ('.', '', 2)]
Entities [('cold', 'PRODUCT')]
Tokens [('Maybe', '', 2), ('if', '', 2), ('they', '', 2), ('were', '', 2),
("n't", '', 2), ('cold', 'PRODUCT', 3), ('they', '', 2), ('would', '', 2),
('have', '', 2), ('been', '', 2), ('somewhat', '', 2), ('edible', '', 2), ('.',
'', 2)]
Entities [('salmon', 'PRODUCT'), ('best', 'PRODUCT')]
Tokens [('Of', '', 2), ('all', '', 2), ('the', '', 2), ('dishes', '', 2), (',',
'', 2), ('the', '', 2), ('salmon', 'PRODUCT', 3), ('was', '', 2), ('the', '',
2), ('best', 'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('all', '', 2),
('were', '', 2), ('great', '', 2), ('.', '', 2)]
Entities [('mess up', 'PRODUCT'), ('steak', 'PRODUCT')]
Tokens [('Kind', '', 2), ('of', '', 2), ('hard', '', 2), ('to', '', 2), ('mess',
'PRODUCT', 3), ('up', 'PRODUCT', 1), ('a', '', 2), ('steak', 'PRODUCT', 3),
('but', '', 2), ('they', '', 2), ('did', '', 2), ('.', '', 2)]
Entities [('too sweet', 'PRODUCT'), ('not really spicy', 'PRODUCT'), ('lacked
flavor', 'PRODUCT')]

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Tokens [('It', '', 2), ('was', '', 2), ('a', '', 2), ('bit', '', 2), ('too',
'PRODUCT', 3), ('sweet', 'PRODUCT', 1), (',', '', 2), ('not', 'PRODUCT', 3),
('really', 'PRODUCT', 1), ('spicy', 'PRODUCT', 1), ('enough', '', 2), (',', '',
2), ('and', '', 2), ('lacked', 'PRODUCT', 3), ('flavor', 'PRODUCT', 1), ('.',
'', 2)]
Entities [('ordered them twice', 'QUANTITY')]
Tokens [('These', '', 2), ('were', '', 2), ('so', '', 2), ('good', '', 2),
('we', '', 2), ('ordered', 'QUANTITY', 3), ('them', 'QUANTITY', 1), ('twice',
'QUANTITY', 1), ('.', '', 2)]
Entities [('underwhelming relationship', 'NORP')]
Tokens [('Coming', '', 2), ('here', '', 2), ('is', '', 2), ('like', '', 2),
('experiencing', '', 2), ('an', '', 2), ('underwhelming', 'NORP', 3),
('relationship', 'NORP', 1), ('where', '', 2), ('both', '', 2), ('parties', '',
2), ('ca', '', 2), ("n't", '', 2), ('wait', '', 2), ('for', '', 2), ('the', '',
2), ('other', '', 2), ('person', '', 2), ('to', '', 2), ('ask', '', 2), ('to',
'', 2), ('break', '', 2), ('up', '', 2), ('.', '', 2)]
Entities [('7', 'QUANTITY'), ('pretty fast', 'PERSON')]
Tokens [('We', '', 2), ('had', '', 2), ('7', 'QUANTITY', 3), ('at', '', 2),
('our', '', 2), ('table', '', 2), ('and', '', 2), ('the', '', 2), ('service',
'', 2), ('was', '', 2), ('pretty', 'PERSON', 3), ('fast', 'PERSON', 1), ('.',
'', 2)]
Entities [('very clean', 'PRODUCT')]
Tokens [('The', '', 2), ('restaurant', '', 2), ('is', '', 2), ('very',
'PRODUCT', 3), ('clean', 'PRODUCT', 1), ('and', '', 2), ('has', '', 2), ('a',
'', 2), ('family', '', 2), ('restaurant', '', 2), ('feel', '', 2), ('to', '',
2), ('it', '', 2), ('.', '', 2)]
Entities [('crumby""', 'PRODUCT'), ('pretty tasteless', 'PRODUCT')]
Tokens [('"', '', 2), ('It', '', 2), ('was', '', 2), ('extremely', '', 2), ('"',
'', 2), ('"', '', 2), ('crumby', 'PRODUCT', 3), ('"', 'PRODUCT', 1), ('"',
'PRODUCT', 1), ('and', '', 2), ('pretty', 'PRODUCT', 3), ('tasteless',
'PRODUCT', 1), ('.', '', 2), ('"', '', 2)]
Entities [('not hot', 'PRODUCT'), ('BARE HANDS', 'PERSON')]
Tokens [('Hot', '', 2), ('dishes', '', 2), ('are', '', 2), ('not', 'PRODUCT',
3), ('hot', 'PRODUCT', 1), (',', '', 2), ('cold', '', 2), ('dishes', '', 2),
('are', '', 2), ('close', '', 2), ('to', '', 2), ('room', '', 2), ('temp', '',
2), ('.', '', 2), ('I', '', 2), ('watched', '', 2), ('staff', '', 2),
('prepare', '', 2), ('food', '', 2), ('with', '', 2), ('BARE', 'PERSON', 3),
('HANDS', 'PERSON', 1), (',', '', 2), ('no', '', 2), ('gloves', '', 2), ('.',
'', 2), ('Everything', '', 2), ('is', '', 2), ('deep', '', 2), ('fried', '', 2),
('in', '', 2), ('oil', '', 2), ('.', '', 2)]
Entities [('Steiners', 'PRODUCT'), ('dark', 'PRODUCT'), ('bar', 'PRODUCT')]
Tokens [('I', '', 2), ('like', '', 2), ('Steiners', 'PRODUCT', 3), ('because',
'', 2), ('it', '', 2), ("'s", '', 2), ('dark', 'PRODUCT', 3), ('and', '', 2),
('it', '', 2), ('feels', '', 2), ('like', '', 2), ('a', '', 2), ('bar',
'PRODUCT', 3), ('.', '', 2)]
Entities [('yummy', 'PRODUCT'), ('biggest fail', 'PRODUCT')]
Tokens [('What', '', 2), ('SHOULD', '', 2), ('have', '', 2), ('been', '', 2),
('a', '', 2), ('hilarious', '', 2), (',', '', 2), ('yummy', 'PRODUCT', 3),
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('Christmas', '', 2), ('Eve', '', 2), ('dinner', '', 2), ('to', '', 2),
('remember', '', 2), ('was', '', 2), ('the', '', 2), ('biggest', 'PRODUCT', 3),
('fail', 'PRODUCT', 1), ('of', '', 2), ('the', '', 2), ('entire', '', 2),
('trip', '', 2), ('for', '', 2), ('us', '', 2), ('.', '', 2)]
Entities [('Greek salad', 'PRODUCT'), ('Greek dressing', 'PRODUCT'), ('so
tasty', 'PRODUCT'), ('pita', 'PRODUCT'), ('hummus', 'PRODUCT'), ('very
refreshing', 'PRODUCT')]
Tokens [('My', '', 2), ('side', '', 2), ('Greek', 'PRODUCT', 3), ('salad',
'PRODUCT', 1), ('with', '', 2), ('the', '', 2), ('Greek', 'PRODUCT', 3),
('dressing', 'PRODUCT', 1), ('was', '', 2), ('so', 'PRODUCT', 3), ('tasty',
'PRODUCT', 1), (',', '', 2), ('and', '', 2), ('the', '', 2), ('pita', 'PRODUCT',
3), ('and', '', 2), ('hummus', 'PRODUCT', 3), ('was', '', 2), ('very',
'PRODUCT', 3), ('refreshing', 'PRODUCT', 1), ('.', '', 2)]
Entities [('Disappointing experience', 'NORP')]
Tokens [('Disappointing', 'NORP', 3), ('experience', 'NORP', 1), ('.', '', 2)]
Entities [('super friendly', 'PERSON'), ('helpful', 'PERSON'), ('two small
boys', 'QUANTITY')]
Tokens [('The', '', 2), ('staff', '', 2), ('is', '', 2), ('always', '', 2),
('super', 'PERSON', 3), ('friendly', 'PERSON', 1), ('and', '', 2), ('helpful',
'PERSON', 3), (',', '', 2), ('which', '', 2), ('is', '', 2), ('especially', '',
2), ('cool', '', 2), ('when', '', 2), ('you', '', 2), ('bring', '', 2), ('two',
'QUANTITY', 3), ('small', 'QUANTITY', 1), ('boys', 'QUANTITY', 1), ('and', '',
2), ('a', '', 2), ('baby', '', 2), ('!', '', 2)]
Entities [('sushi', 'PRODUCT'), ('Yama', 'PRODUCT')]
Tokens [('REAL', '', 2), ('sushi', 'PRODUCT', 3), ('lovers', '', 2), (',', '',
2), ('let', '', 2), ("'s", '', 2), ('be', '', 2), ('honest', '', 2), ('-', '',
2), ('Yama', 'PRODUCT', 3), ('is', '', 2), ('not', '', 2), ('that', '', 2),
('good', '', 2), ('.', '', 2)]
Entities [('feel awkwardly', 'NORP')]
Tokens [('I', '', 2), ("'m", '', 2), ('not', '', 2), ('sure', '', 2), ('how',
'', 2), ('long', '', 2), ('we', '', 2), ('stood', '', 2), ('there', '', 2),
('but', '', 2), ('it', '', 2), ('was', '', 2), ('long', '', 2), ('enough', '',
2), ('for', '', 2), ('me', '', 2), ('to', '', 2), ('begin', '', 2), ('to', '',
2), ('feel', 'NORP', 3), ('awkwardly', 'NORP', 1), ('out', '', 2), ('of', '',
2), ('place', '', 2), ('.', '', 2)]
Entities [('uninspired', 'PRODUCT')]
Tokens [('"', '', 2), ('As', '', 2), ('for', '', 2), ('the', '', 2), ('"', '',
2), ('"', '', 2), ('mains', '', 2), (',', '', 2), ('"', '', 2), ('"', '', 2),
('also', '', 2), ('uninspired', 'PRODUCT', 3), ('.', '', 2), ('"', '', 2)]
Entities [('very friendly', 'PERSON')]
Tokens [('The', '', 2), ('waitresses', '', 2), ('are', '', 2), ('very',
'PERSON', 3), ('friendly', 'PERSON', 1), ('.', '', 2)]
Entities [('Omelets', 'PRODUCT')]
Tokens [('Omelets', 'PRODUCT', 3), ('are', '', 2), ('to', '', 2), ('die', '',
2), ('for', '', 2), ('!', '', 2)]
Entities [('barely lukewarm', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), ('was', '', 2), ('barely', 'PRODUCT',
3), ('lukewarm', 'PRODUCT', 1), (',', '', 2), ('so', '', 2), ('it', '', 2),

('must', '', 2), ('have', '', 2), ('been', '', 2), ('sitting', '', 2),
('waiting', '', 2), ('for', '', 2), ('the', '', 2), ('server', '', 2), ('to',
'', 2), ('bring', '', 2), ('it', '', 2), ('out', '', 2), ('to', '', 2), ('us',
'', 2), ('.', '', 2)]
Entities [('screwed', 'NORP')]
Tokens [('I', '', 2), ('do', '', 2), ("n't", '', 2), ('have', '', 2), ('to', '',
2), ('be', '', 2), ('an', '', 2), ('accountant', '', 2), ('to', '', 2), ('know',
'', 2), ('I', '', 2), ("'m", '', 2), ('getting', '', 2), ('screwed', 'NORP', 3),
('!', '', 2)]
Entities [('driest', 'PRODUCT'), ('wings', 'PRODUCT')]
Tokens [('I', '', 2), ('got', '', 2), ('home', '', 2), ('to', '', 2), ('see',
'', 2), ('the', '', 2), ('driest', 'PRODUCT', 3), ('damn', '', 2), ('wings',
'PRODUCT', 3), ('ever', '', 2), ('!', '', 2)]
Entities [('beer', 'PRODUCT'), ('ice cold', 'PRODUCT'), ('colder', 'PRODUCT')]
Tokens [('Perfect', '', 2), ('for', '', 2), ('someone', '', 2), ('(', '', 2),
('me', '', 2), (')', '', 2), ('who', '', 2), ('only', '', 2), ('likes', '', 2),
('beer', 'PRODUCT', 3), ('ice', 'PRODUCT', 3), ('cold', 'PRODUCT', 1), (',', '',
2), ('or', '', 2), ('in', '', 2), ('this', '', 2), ('case', '', 2), (',', '',
2), ('even', '', 2), ('colder', 'PRODUCT', 3), ('.', '', 2)]
Entities [('scallop dish', 'PRODUCT'), ('quite appalling', 'NORP')]
Tokens [('The', '', 2), ('scallop', 'PRODUCT', 3), ('dish', 'PRODUCT', 1),
('is', '', 2), ('quite', 'NORP', 3), ('appalling', 'NORP', 1), ('for', '', 2),
('value', '', 2), ('as', '', 2), ('well', '', 2), ('.', '', 2)]
Entities [('wine', 'PRODUCT'), ('being ignored', 'PERSON')]
Tokens [('I', '', 2), ('asked', '', 2), ('multiple', '', 2), ('times', '', 2),
('for', '', 2), ('the', '', 2), ('wine', 'PRODUCT', 3), ('list', '', 2), ('and',
'', 2), ('after', '', 2), ('some', '', 2), ('time', '', 2), ('of', '', 2),
('being', 'PERSON', 3), ('ignored', 'PERSON', 1), ('I', '', 2), ('went', '', 2),
('to', '', 2), ('the', '', 2), ('hostess', '', 2), ('and', '', 2), ('got', '',
2), ('one', '', 2), ('myself', '', 2), ('.', '', 2)]
Entities [('crust', 'PRODUCT')]
Tokens [('Gave', '', 2), ('up', '', 2), ('trying', '', 2), ('to', '', 2),
('eat', '', 2), ('any', '', 2), ('of', '', 2), ('the', '', 2), ('crust',
'PRODUCT', 3), ('(', '', 2), ('teeth', '', 2), ('still', '', 2), ('sore', '',
2), (')', '', 2), ('.', '', 2)]
Entities [('insulted', 'NORP')]
Tokens [('I', '', 2), ('was', '', 2), ('so', '', 2), ('insulted', 'NORP', 3),
('.', '', 2)]
Entities [('30 min', 'TIME'), ('pancakes', 'PRODUCT'), ('eggs', 'PRODUCT')]
Tokens [('It', '', 2), ('should', '', 2), ("n't", '', 2), ('take', '', 2),
('30', 'TIME', 3), ('min', 'TIME', 1), ('for', '', 2), ('pancakes', 'PRODUCT',
3), ('and', '', 2), ('eggs', 'PRODUCT', 3), ('.', '', 2)]
Entities [('two tacos', 'QUANTITY')]
Tokens [('If', '', 2), ('someone', '', 2), ('orders', '', 2), ('two',
'QUANTITY', 3), ('tacos', 'QUANTITY', 1), ('do', '', 2), ("n't", '', 2), ("'",
'', 2), ('you', '', 2), ('think', '', 2), ('it', '', 2), ('may', '', 2), ('be',
'', 2), ('part', '', 2), ('of', '', 2), ('customer', '', 2), ('service', '', 2),
('to', '', 2), ('ask', '', 2), ('if', '', 2), ('it', '', 2), ('is', '', 2),

('combo', '', 2), ('or', '', 2), ('ala', '', 2), ('cart', '', 2), ('?', '', 2)]
Entities [('disappointed', 'NORP')]
Tokens [('I', '', 2), ('live', '', 2), ('in', '', 2), ('the', '', 2),
('neighborhood', '', 2), ('so', '', 2), ('I', '', 2), ('am', '', 2),
('disappointed', 'NORP', 3), ('I', '', 2), ('wo', '', 2), ("n't", '', 2), ('be',
'', 2), ('back', '', 2), ('here', '', 2), (',', '', 2), ('because', '', 2),
('it', '', 2), ('is', '', 2), ('a', '', 2), ('convenient', '', 2), ('location',
'', 2), ('.', '', 2)]
Entities [('Thoroughly disappointed', 'NORP')]
Tokens [('Thoroughly', 'NORP', 3), ('disappointed', 'NORP', 1), ('!', '', 2)]
Entities [('incredibly', 'PRODUCT'), ('fresh fish', 'PRODUCT')]
Tokens [('You', '', 2), ('get', '', 2), ('incredibly', 'PRODUCT', 3), ('fresh',
'PRODUCT', 3), ('fish', 'PRODUCT', 1), (',', '', 2), ('prepared', '', 2),
('with', '', 2), ('care', '', 2), ('.', '', 2)]
Entities [('Nobu', 'PRODUCT'), ('half the price', 'MONEY')]
Tokens [('The', '', 2), ('owner', '', 2), ('used', '', 2), ('to', '', 2),
('work', '', 2), ('at', '', 2), ('Nobu', 'PRODUCT', 3), (',', '', 2), ('so', '',
2), ('this', '', 2), ('place', '', 2), ('is', '', 2), ('really', '', 2),
('similar', '', 2), ('for', '', 2), ('half', 'MONEY', 3), ('the', 'MONEY', 1),
('price', 'MONEY', 1), ('.', '', 2)]
Entities [('shots of fireball', 'PRODUCT')]
Tokens [('I', '', 2), ('immediately', '', 2), ('said', '', 2), ('I', '', 2),
('wanted', '', 2), ('to', '', 2), ('talk', '', 2), ('to', '', 2), ('the', '',
2), ('manager', '', 2), ('but', '', 2), ('I', '', 2), ('did', '', 2), ('not',
'', 2), ('want', '', 2), ('to', '', 2), ('talk', '', 2), ('to', '', 2), ('the',
'', 2), ('guy', '', 2), ('who', '', 2), ('was', '', 2), ('doing', '', 2),
('shots', 'PRODUCT', 3), ('of', 'PRODUCT', 1), ('fireball', 'PRODUCT', 1),
('behind', '', 2), ('the', '', 2), ('bar', '', 2), ('.', '', 2)]
Entities [('Greek dressing', 'PRODUCT'), ('creamy', 'PRODUCT'), ('flavorful',
'PRODUCT')]
Tokens [('The', '', 2), ('Greek', 'PRODUCT', 3), ('dressing', 'PRODUCT', 1),
('was', '', 2), ('very', '', 2), ('creamy', 'PRODUCT', 3), ('and', '', 2),
('flavorful', 'PRODUCT', 3), ('.', '', 2)]
Entities [("wasn't really impressed", 'NORP'), ('Strip Steak', 'PRODUCT')]
Tokens [('I', '', 2), ('was', 'NORP', 3), ("n't", 'NORP', 1), ('really', 'NORP',
1), ('impressed', 'NORP', 1), ('with', '', 2), ('Strip', 'PRODUCT', 3),
('Steak', 'PRODUCT', 1), ('.', '', 2)]
Entities [('enjoy', 'NORP'), ('seafood salad', 'PRODUCT'), ('fabulous',
'PRODUCT'), ('vinegrette', 'PRODUCT')]
Tokens [('I', '', 2), ('got', '', 2), ('to', '', 2), ('enjoy', 'NORP', 3),
('the', '', 2), ('seafood', 'PRODUCT', 3), ('salad', 'PRODUCT', 1), (',', '',
2), ('with', '', 2), ('a', '', 2), ('fabulous', 'PRODUCT', 3), ('vinegrette',
'PRODUCT', 3), ('.', '', 2)]
Entities [('burger', 'PRODUCT'), ('Gold Standard""', 'PRODUCT'), ('$17',
'MONEY'), ('disappointed', 'NORP')]
Tokens [('"', '', 2), ('The', '', 2), ('burger', 'PRODUCT', 3), ('…', '', 2),
('I', '', 2), ('got', '', 2), ('the', '', 2), ('"', '', 2), ('"', '', 2),
('Gold', 'PRODUCT', 3), ('Standard', 'PRODUCT', 1), ('"', 'PRODUCT', 1), ('"',

'PRODUCT', 1), ('a', '', 2), ('$', 'MONEY', 3), ('17', 'MONEY', 1), ('burger',
'', 2), ('and', '', 2), ('was', '', 2), ('kind', '', 2), ('of', '', 2),
('disappointed', 'NORP', 3), ('.', '', 2), ('"', '', 2)]
Entities [('felt sick', 'NORP')]
Tokens [('I', '', 2), ('left', '', 2), ('with', '', 2), ('a', '', 2),
('stomach', '', 2), ('ache', '', 2), ('and', '', 2), ('felt', 'NORP', 3),
('sick', 'NORP', 1), ('the', '', 2), ('rest', '', 2), ('of', '', 2), ('the', '',
2), ('day', '', 2), ('.', '', 2)]
Entities [('5 stars', 'CARDINAL')]
Tokens [('He', '', 2), ('deserves', '', 2), ('5', 'CARDINAL', 3), ('stars',
'CARDINAL', 1), ('.', '', 2)]
Entities [('friendly', 'PERSON')]
Tokens [('The', '', 2), ('waitress', '', 2), ('and', '', 2), ('manager', '', 2),
('are', '', 2), ('so', '', 2), ('friendly', 'PERSON', 3), ('.', '', 2)]
Entities [('classic Maine Lobster Roll', 'PRODUCT'), ('fantastic', 'PRODUCT')]
Tokens [('The', '', 2), ('classic', 'PRODUCT', 3), ('Maine', 'PRODUCT', 1),
('Lobster', 'PRODUCT', 1), ('Roll', 'PRODUCT', 1), ('was', '', 2), ('fantastic',
'PRODUCT', 3), ('.', '', 2)]
Entities [('40min', 'TIME')]
Tokens [('At', '', 2), ('least', '', 2), ('40min', 'TIME', 3), ('passed', '',
2), ('in', '', 2), ('between', '', 2), ('us', '', 2), ('ordering', '', 2),
('and', '', 2), ('the', '', 2), ('food', '', 2), ('arriving', '', 2), (',', '',
2), ('and', '', 2), ('it', '', 2), ('was', '', 2), ("n't", '', 2), ('that', '',
2), ('busy', '', 2), ('.', '', 2)]
Entities [('fail', 'PRODUCT')]
Tokens [('Total', '', 2), ('brunch', '', 2), ('fail', 'PRODUCT', 3), ('.', '',
2)]
Entities [('good stuff', 'PRODUCT')]
Tokens [('The', '', 2), ('menu', '', 2), ('had', '', 2), ('so', '', 2), ('much',
'', 2), ('good', 'PRODUCT', 3), ('stuff', 'PRODUCT', 1), ('on', '', 2), ('it',
'', 2), ('i', '', 2), ('could', '', 2), ('not', '', 2), ('decide', '', 2), ('!',
'', 2)]
Entities [('fear', 'NORP'), ('getting sick', 'NORP')]
Tokens [('Hard', '', 2), ('to', '', 2), ('judge', '', 2), ('whether', '', 2),
('these', '', 2), ('sides', '', 2), ('were', '', 2), ('good', '', 2),
('because', '', 2), ('we', '', 2), ('were', '', 2), ('grossed', '', 2), ('out',
'', 2), ('by', '', 2), ('the', '', 2), ('melted', '', 2), ('styrofoam', '', 2),
('and', '', 2), ('did', '', 2), ("n't", '', 2), ('want', '', 2), ('to', '', 2),
('eat', '', 2), ('it', '', 2), ('for', '', 2), ('fear', 'NORP', 3), ('of', '',
2), ('getting', 'NORP', 3), ('sick', 'NORP', 1), ('.', '', 2)]
Entities [('soooooo cheap', 'PERSON'), ('sandwich', 'PRODUCT'), ('two papers not
one', 'QUANTITY')]
Tokens [('!', '', 2), ('…', '', 2), ('THE', '', 2), ('OWNERS', '', 2),
('REALLY', '', 2), ('REALLY', '', 2), ('need', '', 2), ('to', '', 2), ('quit',
'', 2), ('being', '', 2), ('soooooo', 'PERSON', 3), ('cheap', 'PERSON', 1),
('let', '', 2), ('them', '', 2), ('wrap', '', 2), ('my', '', 2), ('freaking',
'', 2), ('sandwich', 'PRODUCT', 3), ('in', '', 2), ('two', 'QUANTITY', 3),
('papers', 'QUANTITY', 1), ('not', 'QUANTITY', 1), ('one', 'QUANTITY', 1), ('!',

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'', 2)]
Entities [('desired', 'NORP')]
Tokens [('The', '', 2), ('service', '', 2), ('here', '', 2), ('leaves', '', 2),
('a', '', 2), ('lot', '', 2), ('to', '', 2), ('be', '', 2), ('desired', 'NORP',
3), ('.', '', 2)]
Entities [('Kids pizza', 'PRODUCT'), ('always a hit', 'PRODUCT')]
Tokens [('Kids', 'PRODUCT', 3), ('pizza', 'PRODUCT', 1), ('is', '', 2),
('always', 'PRODUCT', 3), ('a', 'PRODUCT', 1), ('hit', 'PRODUCT', 1), ('too',
'', 2), ('with', '', 2), ('lots', '', 2), ('of', '', 2), ('great', '', 2),
('side', '', 2), ('dish', '', 2), ('options', '', 2), ('for', '', 2), ('the',
'', 2), ('kiddos', '', 2), ('!', '', 2)]
Entities [('lacked style', 'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('lacked', 'PRODUCT', 3), ('style',
'PRODUCT', 1), ('!', '', 2), ('!', '', 2)]
Entities [('pasta', 'PRODUCT'), ('bad', 'PRODUCT')]
Tokens [('Friend', '', 2), ("'s", '', 2), ('pasta', 'PRODUCT', 3), ('--', '',
2), ('also', '', 2), ('bad', 'PRODUCT', 3), (',', '', 2), ('he', '', 2),
('barely', '', 2), ('touched', '', 2), ('it', '', 2), ('.', '', 2)]
Entities [('little bad service', 'PERSON'), ('food sucks', 'PRODUCT')]
Tokens [('I', '', 2), ('can', '', 2), ('take', '', 2), ('a', '', 2), ('little',
'PERSON', 3), ('bad', 'PERSON', 1), ('service', 'PERSON', 1), ('but', '', 2),
('the', '', 2), ('food', 'PRODUCT', 3), ('sucks', 'PRODUCT', 1), ('.', '', 2)]
Entities [('terrific', 'PRODUCT'), ('thrilled', 'NORP'), ('amazing
accommodations', 'PERSON')]
Tokens [('Everything', '', 2), ('on', '', 2), ('the', '', 2), ('menu', '', 2),
('is', '', 2), ('terrific', 'PRODUCT', 3), ('and', '', 2), ('we', '', 2),
('were', '', 2), ('also', '', 2), ('thrilled', 'NORP', 3), ('that', '', 2),
('they', '', 2), ('made', '', 2), ('amazing', 'PERSON', 3), ('accommodations',
'PERSON', 1), ('for', '', 2), ('our', '', 2), ('vegetarian', '', 2),
('daughter', '', 2), ('.', '', 2)]
Entities [('deeply disappointed.', 'NORP')]
Tokens [('I', '', 2), ('swung', '', 2), ('in', '', 2), ('to', '', 2), ('give',
'', 2), ('them', '', 2), ('a', '', 2), ('try', '', 2), ('but', '', 2), ('was',
'', 2), ('deeply', 'NORP', 3), ('disappointed', 'NORP', 1), ('.', 'NORP', 1)]
Entities [('Phoenix', 'LOC')]
Tokens [('It', '', 2), ("'ll", '', 2), ('be', '', 2), ('a', '', 2), ('regular',
'', 2), ('stop', '', 2), ('on', '', 2), ('my', '', 2), ('trips', '', 2), ('to',
'', 2), ('Phoenix', 'LOC', 3), ('!', '', 2)]
Entities [('going down', 'PRODUCT'), ('extremely slow', 'PERSON')]
Tokens [('The', '', 2), ('menu', '', 2), ('is', '', 2), ('always', '', 2),
('changing', '', 2), (',', '', 2), ('food', '', 2), ('quality', '', 2), ('is',
'', 2), ('going', 'PRODUCT', 3), ('down', 'PRODUCT', 1), ('&', '', 2),
('service', '', 2), ('is', '', 2), ('extremely', 'PERSON', 3), ('slow',
'PERSON', 1), ('.', '', 2)]
Entities [('excellent', 'PRODUCT'), ('pretty reasonable', 'MONEY'), ('Vegas',
'LOC'), ('Aria.', 'PRODUCT')]
Tokens [('Service', '', 2), ('was', '', 2), ('excellent', 'PRODUCT', 3), ('and',
'', 2), ('prices', '', 2), ('are', '', 2), ('pretty', 'MONEY', 3),
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('reasonable', 'MONEY', 1), ('considering', '', 2), ('this', '', 2), ('is', '',
2), ('Vegas', 'LOC', 3), ('and', '', 2), ('located', '', 2), ('inside', '', 2),
('the', '', 2), ('Crystals', '', 2), ('shopping', '', 2), ('mall', '', 2),
('by', '', 2), ('Aria', 'PRODUCT', 3), ('.', 'PRODUCT', 1)]
Entities [('pretty satifying experience', 'NORP')]
Tokens [('I', '', 2), ('had', '', 2), ('a', '', 2), ('pretty', 'NORP', 3),
('satifying', 'NORP', 1), ('experience', 'NORP', 1), ('.', '', 2)]
Entities [('super friendly and', 'PERSON'), ('courteous', 'PERSON')]
Tokens [('The', '', 2), ('owners', '', 2), ('are', '', 2), ('super', 'PERSON',
3), ('friendly', 'PERSON', 1), ('and', 'PERSON', 1), ('the', '', 2), ('staff',
'', 2), ('is', '', 2), ('courteous', 'PERSON', 3), ('.', '', 2)]
Entities [('Excalibur', 'PRODUCT')]
Tokens [('I', '', 2), ('guess', '', 2), ('I', '', 2), ('should', '', 2),
('have', '', 2), ('known', '', 2), ('that', '', 2), ('this', '', 2), ('place',
'', 2), ('would', '', 2), ('suck', '', 2), (',', '', 2), ('because', '', 2),
('it', '', 2), ('is', '', 2), ('inside', '', 2), ('of', '', 2), ('the', '', 2),
('Excalibur', 'PRODUCT', 3), (',', '', 2), ('but', '', 2), ('I', '', 2), ('did',
'', 2), ("n't", '', 2), ('use', '', 2), ('my', '', 2), ('common', '', 2),
('sense', '', 2), ('.', '', 2)]
Entities [('Both', 'QUANTITY'), ('egg rolls were', 'PRODUCT'), ('fantastic',
'PRODUCT')]
Tokens [('Both', 'QUANTITY', 3), ('of', '', 2), ('the', '', 2), ('egg',
'PRODUCT', 3), ('rolls', 'PRODUCT', 1), ('were', 'PRODUCT', 1), ('fantastic',
'PRODUCT', 3), ('.', '', 2)]
Entities [('fried rice', 'PRODUCT'), ('dry', 'PRODUCT')]
Tokens [('The', '', 2), ('fried', 'PRODUCT', 3), ('rice', 'PRODUCT', 1), ('was',
'', 2), ('dry', 'PRODUCT', 3), ('as', '', 2), ('well', '', 2), ('.', '', 2)]
Entities [('sub-par service', 'PERSON'), ('gratitude', 'NORP')]
Tokens [('Based', '', 2), ('on', '', 2), ('the', '', 2), ('sub', 'PERSON', 3),
('-', 'PERSON', 1), ('par', 'PERSON', 1), ('service', 'PERSON', 1), ('I', '',
2), ('received', '', 2), ('and', '', 2), ('no', '', 2), ('effort', '', 2),
('to', '', 2), ('show', '', 2), ('their', '', 2), ('gratitude', 'NORP', 3),
('for', '', 2), ('my', '', 2), ('business', '', 2), ('I', '', 2), ('wo', '', 2),
("n't", '', 2), ('be', '', 2), ('going', '', 2), ('back', '', 2), ('.', '', 2)]
Entities [('really boring', 'NORP')]
Tokens [('Food', '', 2), ('was', '', 2), ('really', 'NORP', 3), ('boring',
'NORP', 1), ('.', '', 2)]
Entities [('Service sucks', 'PERSON')]
Tokens [('Service', 'PERSON', 3), ('sucks', 'PERSON', 1), ('.', '', 2)]
Entities [('absolutley fantastic', 'PRODUCT')]
Tokens [('So', '', 2), ('absolutley', 'PRODUCT', 3), ('fantastic', 'PRODUCT',
1), ('.', '', 2)]
Entities [('amazing', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), (',', '', 2), ('amazing', 'PRODUCT',
3), ('.', '', 2)]
Entities [('steak', 'PRODUCT'), ('shrimp', 'PRODUCT'), ('best', 'PRODUCT'),
('GC', 'PRODUCT')]
Tokens [('The', '', 2), ('steak', 'PRODUCT', 3), ('and', '', 2), ('the', '', 2),

('shrimp', 'PRODUCT', 3), ('are', '', 2), ('in', '', 2), ('my', '', 2),
('opinion', '', 2), ('the', '', 2), ('best', 'PRODUCT', 3), ('entrees', '', 2),
('at', '', 2), ('GC', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Cape Cod ravoli', 'PRODUCT'), ('chicken', 'PRODUCT'), ('cranberry',
'PRODUCT'), ('mmmm', 'PRODUCT')]
Tokens [('I', '', 2), ('tried', '', 2), ('the', '', 2), ('Cape', 'PRODUCT', 3),
('Cod', 'PRODUCT', 1), ('ravoli', 'PRODUCT', 1), (',', '', 2), ('chicken',
'PRODUCT', 3), (',', '', 2), ('with', '', 2), ('cranberry', 'PRODUCT', 3),
('…', '', 2), ('mmmm', 'PRODUCT', 3), ('!', '', 2)]
Entities [('very slow', 'PERSON')]
Tokens [('very', 'PERSON', 3), ('slow', 'PERSON', 1), ('at', '', 2), ('seating',
'', 2), ('even', '', 2), ('with', '', 2), ('reservation', '', 2), ('.', '', 2)]
Entities [('too bad', 'PRODUCT')]
Tokens [('too', 'PRODUCT', 3), ('bad', 'PRODUCT', 1), ('cause', '', 2), ('I',
'', 2), ('know', '', 2), ('it', '', 2), ("'s", '', 2), ('family', '', 2),
('owned', '', 2), (',', '', 2), ('I', '', 2), ('really', '', 2), ('wanted', '',
2), ('to', '', 2), ('like', '', 2), ('this', '', 2), ('place', '', 2), ('.', '',
2)]
Entities [('Voodoo pasta', 'PRODUCT'), ('first time', 'TIME'), ('excellent',
'PRODUCT'), ('pasta', 'PRODUCT')]
Tokens [('I', '', 2), ('ordered', '', 2), ('the', '', 2), ('Voodoo', 'PRODUCT',
3), ('pasta', 'PRODUCT', 1), ('and', '', 2), ('it', '', 2), ('was', '', 2),
('the', '', 2), ('first', 'TIME', 3), ('time', 'TIME', 1), ('I', '', 2), ("'d",
'', 2), ('had', '', 2), ('really', '', 2), ('excellent', 'PRODUCT', 3),
('pasta', 'PRODUCT', 3), ('since', '', 2), ('going', '', 2), ('gluten', '', 2),
('free', '', 2), ('several', '', 2), ('years', '', 2), ('ago', '', 2), ('.', '',
2)]
Entities [('Terrible service', 'PERSON')]
Tokens [('Terrible', 'PERSON', 3), ('service', 'PERSON', 1), ('!', '', 2)]
Entities [('nice', 'PRODUCT'), ('pleasant.', 'PRODUCT')]
Tokens [('The', '', 2), ('decor', '', 2), ('is', '', 2), ('nice', 'PRODUCT', 3),
(',', '', 2), ('and', '', 2), ('the', '', 2), ('piano', '', 2), ('music', '',
2), ('soundtrack', '', 2), ('is', '', 2), ('pleasant', 'PRODUCT', 3), ('.',
'PRODUCT', 1)]
Entities [('awesome', 'PRODUCT')]
Tokens [('It', '', 2), ('was', '', 2), ('awesome', 'PRODUCT', 3), ('.', '', 2)]
Entities [('really fantastic', 'PRODUCT'), ('Thai restaurant', 'PRODUCT')]
Tokens [('This', '', 2), ('is', '', 2), ('a', '', 2), ('really', 'PRODUCT', 3),
('fantastic', 'PRODUCT', 1), ('Thai', 'PRODUCT', 3), ('restaurant', 'PRODUCT',
1), ('which', '', 2), ('is', '', 2), ('definitely', '', 2), ('worth', '', 2),
('a', '', 2), ('visit', '', 2), ('.', '', 2)]
Entities [('wonderful', 'PRODUCT')]
Tokens [('The', '', 2), ('ambience', '', 2), ('is', '', 2), ('wonderful',
'PRODUCT', 3), ('and', '', 2), ('there', '', 2), ('is', '', 2), ('music', '',
2), ('playing', '', 2), ('.', '', 2)]
Entities [('margaritas', 'PRODUCT')]
Tokens [('Love', '', 2), ('the', '', 2), ('margaritas', 'PRODUCT', 3), (',', '',
2), ('too', '', 2), ('!', '', 2)]

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Entities [('Very disappointing', 'NORP')]
Tokens [('Very', 'NORP', 3), ('disappointing', 'NORP', 1), ('!', '', 2), ('!',
'', 2), ('!', '', 2)]
Entities [('Service stinks', 'PERSON')]
Tokens [('Service', 'PERSON', 3), ('stinks', 'PERSON', 1), ('here', '', 2),
('!', '', 2)]
Entities [('delicious', 'PRODUCT')]
Tokens [('Food', '', 2), ('was', '', 2), ('delicious', 'PRODUCT', 3), ('!', '',
2)]
Entities [('APPETIZERS', 'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('receives', '', 2), ('stars', '',
2), ('for', '', 2), ('their', '', 2), ('APPETIZERS', 'PRODUCT', 3), ('!', '',
2), ('!', '', 2), ('!', '', 2)]
Entities [("won't be disappointed.", 'NORP')]
Tokens [('You', '', 2), ('wo', 'NORP', 3), ("n't", 'NORP', 1), ('be', 'NORP',
1), ('disappointed', 'NORP', 1), ('.', 'NORP', 1)]
Entities [('sushi connoisseur', 'PRODUCT'), ('bad', 'PRODUCT'), ('bad',
'PRODUCT')]
Tokens [('I', '', 2), ('am', '', 2), ('far', '', 2), ('from', '', 2), ('a', '',
2), ('sushi', 'PRODUCT', 3), ('connoisseur', 'PRODUCT', 1), ('but', '', 2),
('I', '', 2), ('can', '', 2), ('definitely', '', 2), ('tell', '', 2), ('the',
'', 2), ('difference', '', 2), ('between', '', 2), ('good', '', 2), ('food', '',
2), ('and', '', 2), ('bad', 'PRODUCT', 3), ('food', '', 2), ('and', '', 2),
('this', '', 2), ('was', '', 2), ('certainly', '', 2), ('bad', 'PRODUCT', 3),
('food', '', 2), ('.', '', 2)]
Entities [('WORST EXPERIENCE', 'PRODUCT')]
Tokens [('The', '', 2), ('WORST', 'PRODUCT', 3), ('EXPERIENCE', 'PRODUCT', 1),
('EVER', '', 2), ('.', '', 2)]
Entities [('dirt', 'PRODUCT')]
Tokens [('Tasted', '', 2), ('like', '', 2), ('dirt', 'PRODUCT', 3), ('.', '',
2)]
Entities [('Great place', 'PRODUCT'), ('little mom', 'PRODUCT'), ('pop shops',
'PRODUCT'), ('San Francisco Bay Area', 'LOC')]
Tokens [('Great', 'PRODUCT', 3), ('place', 'PRODUCT', 1), ('to', '', 2), ('eat',
'', 2), (',', '', 2), ('reminds', '', 2), ('me', '', 2), ('of', '', 2), ('the',
'', 2), ('little', 'PRODUCT', 3), ('mom', 'PRODUCT', 1), ('and', '', 2), ('pop',
'PRODUCT', 3), ('shops', 'PRODUCT', 1), ('in', '', 2), ('the', '', 2), ('San',
'LOC', 3), ('Francisco', 'LOC', 1), ('Bay', 'LOC', 1), ('Area', 'LOC', 1), ('.',
'', 2)]
Entities [('pizza', 'PRODUCT'), ('good', 'PRODUCT'), ('peanut sauce',
'PRODUCT'), ('very tasty', 'PRODUCT')]
Tokens [('Now', '', 2), ('the', '', 2), ('pizza', 'PRODUCT', 3), ('itself', '',
2), ('was', '', 2), ('good', 'PRODUCT', 3), ('the', '', 2), ('peanut',
'PRODUCT', 3), ('sauce', 'PRODUCT', 1), ('was', '', 2), ('very', 'PRODUCT', 3),
('tasty', 'PRODUCT', 1), ('.', '', 2)]
Entities [('Great', 'PRODUCT'), ('Pizza', 'PRODUCT'), ('Salads', 'PRODUCT')]
Tokens [('Great', 'PRODUCT', 3), ('Pizza', 'PRODUCT', 3), ('and', '', 2),
('Salads', 'PRODUCT', 3), ('!', '', 2)]
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Entities [('meat', 'PRODUCT'), ('pretty dry', 'PRODUCT'), ('sliced brisket', 'PRODUCT'), ('pulled pork', 'PRODUCT')]
Tokens [('The', '', 2), ('meat', 'PRODUCT', 3), ('was', '', 2), ('pretty', 'PRODUCT', 3), ('dry', 'PRODUCT', 1), (',', '', 2), ('I', '', 2), ('had', '', 2), ('the', '', 2), ('sliced', 'PRODUCT', 3), ('brisket', 'PRODUCT', 1), ('and', '', 2), ('pulled', 'PRODUCT', 3), ('pork', 'PRODUCT', 1), ('.', '', 2)]
Entities [('one bite', 'QUANTITY'), ('hooked', 'NORP')]
Tokens [('After', '', 2), ('one', 'QUANTITY', 3), ('bite', 'QUANTITY', 1), (',', '', 2), ('I', '', 2), ('was', '', 2), ('hooked', 'NORP', 3), ('.', '', 2)]
Entities [("Ryan's Bar", 'PRODUCT')]
Tokens [('Ryan', 'PRODUCT', 3), ("'s", 'PRODUCT', 1), ('Bar', 'PRODUCT', 1), ('is', '', 2), ('definitely', '', 2), ('one', '', 2), ('Edinburgh', '', 2), ('establishment', '', 2), ('I', '', 2), ('wo', '', 2), ("n't", '', 2), ('be', '', 2), ('revisiting', '', 2), ('.', '', 2)]
Entities [('three different occasions', 'QUANTITY'), ('three times', 'QUANTITY'), ('bloodiest', 'PRODUCT'), ('meat', 'PRODUCT')]
Tokens [('On', '', 2), ('three', 'QUANTITY', 3), ('different', 'QUANTITY', 1), ('occasions', 'QUANTITY', 1), ('I', '', 2), ('asked', '', 2), ('for', '', 2), ('well', '', 2), ('done', '', 2), ('or', '', 2), ('medium', '', 2), ('well', '', 2), (',', '', 2), ('and', '', 2), ('all', '', 2), ('three', 'QUANTITY', 3), ('times', 'QUANTITY', 1), ('I', '', 2), ('got', '', 2), ('the', '', 2), ('bloodiest', 'PRODUCT', 3), ('piece', '', 2), ('of', '', 2), ('meat', 'PRODUCT', 3), ('on', '', 2), ('my', '', 2), ('plate', '', 2), ('.', '', 2)]
Entities [('not impressed', 'NORP')]
Tokens [('Overall', '', 2), ('I', '', 2), ('was', '', 2), ('not', 'NORP', 3), ('impressed', 'NORP', 1), ('and', '', 2), ('would', '', 2), ('not', '', 2), ('go', '', 2), ('back', '', 2), ('.', '', 2)]
Entities [('FREEZING cold', 'PRODUCT')]
Tokens [('(', '', 2), ('It', '', 2), ('was', '', 2), ("n't", '', 2), ('busy', '', 2), ('either', '', 2), (')', '', 2), ('Also', '', 2), (',', '', 2), ('the', '', 2), ('building', '', 2), ('was', '', 2), ('FREEZING', 'PRODUCT', 3), ('cold', 'PRODUCT', 1), ('.', '', 2)]
Entities [('friendly', 'PERSON'), ('inviting', 'PERSON')]
Tokens [('Service', '', 2), ('is', '', 2), ('friendly', 'PERSON', 3), ('and', '', 2), ('inviting', 'PERSON', 3), ('.', '', 2)]
Entities [('bit disappointing', 'NORP')]
Tokens [('Although', '', 2), ('I', '', 2), ('very', '', 2), ('much', '', 2), ('liked', '', 2), ('the', '', 2), ('look', '', 2), ('and', '', 2), ('sound', '', 2), ('of', '', 2), ('this', '', 2), ('place', '', 2), (',', '', 2), ('the', '', 2), ('actual', '', 2), ('experience', '', 2), ('was', '', 2), ('a', '', 2), ('bit', 'NORP', 3), ('disappointing', 'NORP', 1), ('.', '', 2)]
Entities [('fails to deliver', 'PRODUCT')]
Tokens [('This', '', 2), ('place', '', 2), ('has', '', 2), ('a', '', 2), ('lot', '', 2), ('of', '', 2), ('promise', '', 2), ('but', '', 2), ('fails', 'PRODUCT', 3), ('to', 'PRODUCT', 1), ('deliver', 'PRODUCT', 1), ('.', '', 2)]
Entities [('Mediterranean Chicken Salad and', 'PRODUCT'), ('love', 'NORP')]
Tokens [('My', '', 2), ('boyfriend', '', 2), ('tried', '', 2), ('the', '', 2), ('Mediterranean', 'PRODUCT', 3), ('Chicken', 'PRODUCT', 1), ('Salad', 'PRODUCT',

1), ('and', 'PRODUCT', 1), ('fell', '', 2), ('in', '', 2), ('love', 'NORP', 3),
('.', '', 2)]
Entities [('love', 'NORP'), ('authentic', 'PRODUCT'), ('Mexican food',
'PRODUCT'), ('interesting', 'NORP'), ('delicious', 'PRODUCT'), ('meats',
'PRODUCT')]
Tokens [('If', '', 2), ('you', '', 2), ('love', 'NORP', 3), ('authentic',
'PRODUCT', 3), ('Mexican', 'PRODUCT', 3), ('food', 'PRODUCT', 1), ('and', '',
2), ('want', '', 2), ('a', '', 2), ('whole', '', 2), ('bunch', '', 2), ('of',
'', 2), ('interesting', 'NORP', 3), (',', '', 2), ('yet', '', 2), ('delicious',
'PRODUCT', 3), ('meats', 'PRODUCT', 3), ('to', '', 2), ('choose', '', 2),
('from', '', 2), (',', '', 2), ('you', '', 2), ('need', '', 2), ('to', '', 2),
('try', '', 2), ('this', '', 2), ('place', '', 2), ('.', '', 2)]
Entities [('business dinner dollars', 'MONEY')]
Tokens [('I', '', 2), ("'ll", '', 2), ('take', '', 2), ('my', '', 2),
('business', 'MONEY', 3), ('dinner', 'MONEY', 1), ('dollars', 'MONEY', 1),
('elsewhere', '', 2), ('.', '', 2)]
Entities [('madhouse', 'NORP')]
Tokens [('Tried', '', 2), ('to', '', 2), ('go', '', 2), ('here', '', 2), ('for',
'', 2), ('lunch', '', 2), ('and', '', 2), ('it', '', 2), ('was', '', 2), ('a',
'', 2), ('madhouse', 'NORP', 3), ('.', '', 2)]
Entities [('peanuts', 'PRODUCT')]
Tokens [('No', '', 2), ('allergy', '', 2), ('warnings', '', 2), ('on', '', 2),
('the', '', 2), ('menu', '', 2), (',', '', 2), ('and', '', 2), ('the', '', 2),
('waitress', '', 2), ('had', '', 2), ('absolutely', '', 2), ('no', '', 2),
('clue', '', 2), ('as', '', 2), ('to', '', 2), ('which', '', 2), ('meals', '',
2), ('did', '', 2), ('or', '', 2), ('did', '', 2), ('not', '', 2), ('contain',
'', 2), ('peanuts', 'PRODUCT', 3), ('.', '', 2)]
Entities [('steak', 'PRODUCT'), ('amazing', 'PRODUCT'), ('rge fillet relleno',
'PRODUCT'), ('best', 'PRODUCT')]
Tokens [('The', '', 2), ('steak', 'PRODUCT', 3), ('was', '', 2), ('amazing',
'PRODUCT', 3), ('…', '', 2), ('rge', 'PRODUCT', 3), ('fillet', 'PRODUCT', 1),
('relleno', 'PRODUCT', 1), ('was', '', 2), ('the', '', 2), ('best', 'PRODUCT',
3), ('seafood', '', 2), ('plate', '', 2), ('i', '', 2), ('have', '', 2),
('ever', '', 2), ('had', '', 2), ('!', '', 2)]
Entities [('pub food', 'PRODUCT')]
Tokens [('seems', '', 2), ('like', '', 2), ('a', '', 2), ('good', '', 2),
('quick', '', 2), ('place', '', 2), ('to', '', 2), ('grab', '', 2), ('a', '',
2), ('bite', '', 2), ('of', '', 2), ('some', '', 2), ('familiar', '', 2),
('pub', 'PRODUCT', 3), ('food', 'PRODUCT', 1), (',', '', 2), ('but', '', 2),
('do', '', 2), ('yourself', '', 2), ('a', '', 2), ('favor', '', 2), ('and', '',
2), ('look', '', 2), ('elsewhere', '', 2), ('.', '', 2)]
Entities [('multi-grain pumpkin pancakes', 'PRODUCT'), ('pecan butter',
'PRODUCT'), ('amazing', 'PRODUCT'), ('fluffy', 'PRODUCT'), ('delicious',
'PRODUCT')]
Tokens [('I', '', 2), ('also', '', 2), ('had', '', 2), ('to', '', 2), ('taste',
'', 2), ('my', '', 2), ('Mom', '', 2), ("'s", '', 2), ('multi', 'PRODUCT', 3),
('-', 'PRODUCT', 1), ('grain', 'PRODUCT', 1), ('pumpkin', 'PRODUCT', 1),
('pancakes', 'PRODUCT', 1), ('with', '', 2), ('pecan', 'PRODUCT', 3), ('butter',

'PRODUCT', 1), ('and', '', 2), ('they', '', 2), ('were', '', 2), ('amazing',
'PRODUCT', 3), (',', '', 2), ('fluffy', 'PRODUCT', 3), (',', '', 2), ('and', '',
2), ('delicious', 'PRODUCT', 3), ('!', '', 2)]
Entities [('hours of operation', 'TIME')]
Tokens [('Furthermore', '', 2), (',', '', 2), ('you', '', 2), ('ca', '', 2),
("n't", '', 2), ('even', '', 2), ('find', '', 2), ('hours', 'TIME', 3), ('of',
'TIME', 1), ('operation', 'TIME', 1), ('on', '', 2), ('the', '', 2), ('website',
'', 2), ('!', '', 2)]
Entities [('appetizer', 'PRODUCT'), ('40 minutes', 'TIME'), ('pizza',
'PRODUCT'), ('10 minutes', 'TIME')]
Tokens [('Ordered', '', 2), ('an', '', 2), ('appetizer', 'PRODUCT', 3), ('and',
'', 2), ('took', '', 2), ('40', 'TIME', 3), ('minutes', 'TIME', 1), ('and', '',
2), ('then', '', 2), ('the', '', 2), ('pizza', 'PRODUCT', 3), ('another', '',
2), ('10', 'TIME', 3), ('minutes', 'TIME', 1), ('.', '', 2)]
Entities [('Pho', 'PRODUCT'), ('spring rolls', 'PRODUCT'), ('so yummy',
'PRODUCT')]
Tokens [('I', '', 2), ('love', '', 2), ('the', '', 2), ('Pho', 'PRODUCT', 3),
('and', '', 2), ('the', '', 2), ('spring', 'PRODUCT', 3), ('rolls', 'PRODUCT',
1), ('oh', '', 2), ('so', 'PRODUCT', 3), ('yummy', 'PRODUCT', 1), ('you', '',
2), ('have', '', 2), ('to', '', 2), ('try', '', 2), ('.', '', 2)]
Entities [('Pretty good', 'PRODUCT'), ('beer', 'PRODUCT')]
Tokens [('Pretty', 'PRODUCT', 3), ('good', 'PRODUCT', 1), ('beer', 'PRODUCT',
3), ('selection', '', 2), ('too', '', 2), ('.', '', 2)]
Entities [('godfathers', 'PRODUCT'), ('zero stars', 'CARDINAL')]
Tokens [('I', '', 2), ('as', '', 2), ('well', '', 2), ('would', '', 2), ("'ve",
'', 2), ('given', '', 2), ('godfathers', 'PRODUCT', 3), ('zero', 'CARDINAL', 3),
('stars', 'CARDINAL', 1), ('if', '', 2), ('possible', '', 2), ('.', '', 2)]
Entities [('bruschetta', 'PRODUCT'), ('devine', 'NORP')]
Tokens [('I', '', 2), ('could', '', 2), ('eat', '', 2), ('their', '', 2),
('bruschetta', 'PRODUCT', 3), ('all', '', 2), ('day', '', 2), ('it', '', 2),
('is', '', 2), ('devine', 'NORP', 3), ('.', '', 2)]
Entities [('amazing', 'PRODUCT')]
Tokens [('A', '', 2), ('couple', '', 2), ('of', '', 2), ('months', '', 2),
('later', '', 2), (',', '', 2), ('I', '', 2), ('returned', '', 2), ('and', '',
2), ('had', '', 2), ('an', '', 2), ('amazing', 'PRODUCT', 3), ('meal', '', 2),
('.', '', 2)]
Entities [('fine dining', 'PRODUCT')]
Tokens [('This', '', 2), ('is', '', 2), ("n't", '', 2), ('a', '', 2), ('small',
'', 2), ('family', '', 2), ('restaurant', '', 2), (',', '', 2), ('this', '', 2),
('is', '', 2), ('a', '', 2), ('fine', 'PRODUCT', 3), ('dining', 'PRODUCT', 1),
('establishment', '', 2), ('.', '', 2)]
Entities [('Nice', 'PRODUCT'), ('spicy', 'PRODUCT'), ('tender', 'PRODUCT')]
Tokens [('Nice', 'PRODUCT', 3), (',', '', 2), ('spicy', 'PRODUCT', 3), ('and',
'', 2), ('tender', 'PRODUCT', 3), ('.', '', 2)]
Entities [('caring teamwork', 'PERSON'), ('professional degree', 'PERSON')]
Tokens [('Every', '', 2), ('time', '', 2), ('I', '', 2), ('eat', '', 2),
('here', '', 2), (',', '', 2), ('I', '', 2), ('see', '', 2), ('caring',
'PERSON', 3), ('teamwork', 'PERSON', 1), ('to', '', 2), ('a', '', 2),

('professional', 'PERSON', 3), ('degree', 'PERSON', 1), ('.', '', 2)]
Entities [('dessert', 'PRODUCT'), ('tiramisu', 'PRODUCT'), ('cannoli',
'PRODUCT'), ('die for', 'NORP')]
Tokens [('Be', '', 2), ('sure', '', 2), ('to', '', 2), ('order', '', 2),
('dessert', 'PRODUCT', 3), (',', '', 2), ('even', '', 2), ('if', '', 2), ('you',
'', 2), ('need', '', 2), ('to', '', 2), ('pack', '', 2), ('it', '', 2), ('to',
'', 2), ('-', '', 2), ('go', '', 2), ('-', '', 2), ('the', '', 2), ('tiramisu',
'PRODUCT', 3), ('and', '', 2), ('cannoli', 'PRODUCT', 3), ('are', '', 2),
('both', '', 2), ('to', '', 2), ('die', 'NORP', 3), ('for', 'NORP', 1), ('.',
'', 2)]
Entities [('terrible', 'PRODUCT')]
Tokens [('The', '', 2), ('food', '', 2), ('was', '', 2), ('terrible', 'PRODUCT',
3), ('.', '', 2)]
Entities [('friendly', 'PERSON'), ('efficient', 'PERSON')]
Tokens [('The', '', 2), ('staff', '', 2), ('are', '', 2), ('also', '', 2),
('very', '', 2), ('friendly', 'PERSON', 3), ('and', '', 2), ('efficient',
'PERSON', 3), ('.', '', 2)]
Entities [('pretty gross', 'PRODUCT')]
Tokens [('It', '', 2), ('was', '', 2), ('pretty', 'PRODUCT', 3), ('gross',
'PRODUCT', 1), ('!', '', 2)]
Entities [('double', 'QUANTITY'), ('cheeseburger', 'PRODUCT'), ('single',
'QUANTITY'), ('patty', 'PRODUCT'), ('sucks', 'NORP')]
Tokens [('Ordered', '', 2), ('a', '', 2), ('double', 'QUANTITY', 3),
('cheeseburger', 'PRODUCT', 3), ('&', '', 2), ('got', '', 2), ('a', '', 2),
('single', 'QUANTITY', 3), ('patty', 'PRODUCT', 3), ('that', '', 2), ('was', '',
2), ('falling', '', 2), ('apart', '', 2), ('(', '', 2), ('picture', '', 2),
('uploaded', '', 2), (')', '', 2), ('Yeah', '', 2), (',', '', 2), ('still', '',
2), ('sucks', 'NORP', 3), ('.', '', 2)]
Entities [('1 star rating', 'CARDINAL'), ('third time', 'TIME'), ('Bachi
burger', 'PRODUCT')]
Tokens [('Before', '', 2), ('I', '', 2), ('go', '', 2), ('in', '', 2), ('to',
'', 2), ('why', '', 2), ('I', '', 2), ('gave', '', 2), ('a', '', 2), ('1',
'CARDINAL', 3), ('star', 'CARDINAL', 1), ('rating', 'CARDINAL', 1), ('please',
'', 2), ('know', '', 2), ('that', '', 2), ('this', '', 2), ('was', '', 2),
('my', '', 2), ('third', 'TIME', 3), ('time', 'TIME', 1), ('eating', '', 2),
('at', '', 2), ('Bachi', 'PRODUCT', 3), ('burger', 'PRODUCT', 1), ('before', '',
2), ('writing', '', 2), ('a', '', 2), ('review', '', 2), ('.', '', 2)]
Entities [('not as friendly', 'PERSON'), ('horrible', 'PERSON'), ('10 minutes',
'TIME')]
Tokens [('The', '', 2), ('staff', '', 2), ('are', '', 2), ('now', '', 2),
('not', 'PERSON', 3), ('as', 'PERSON', 1), ('friendly', 'PERSON', 1), (',', '',
2), ('the', '', 2), ('wait', '', 2), ('times', '', 2), ('for', '', 2), ('being',
'', 2), ('served', '', 2), ('are', '', 2), ('horrible', 'PERSON', 3), (',', '',
2), ('no', '', 2), ('one', '', 2), ('even', '', 2), ('says', '', 2), ('hi', '',
2), ('for', '', 2), ('the', '', 2), ('first', '', 2), ('10', 'TIME', 3),
('minutes', 'TIME', 1), ('.', '', 2)]
Entities [('nicest', 'PRODUCT')]
Tokens [('These', '', 2), ('are', '', 2), ('the', '', 2), ('nicest', 'PRODUCT',

3), ('restaurant', '', 2), ('owners', '', 2), ('I', '', 2), ("'ve", '', 2), ('ever', '', 2), ('come', '', 2), ('across', '', 2), ('.', '', 2)]
Entities [('not pleasant', 'PERSON'), ("don't", 'PERSON'), ('Pizza Hut', 'PRODUCT')]
Tokens [('The', '', 2), ('servers', '', 2), ('are', '', 2), ('not', 'PERSON', 3), ('pleasant', 'PERSON', 1), ('to', '', 2), ('deal', '', 2), ('with', '', 2), ('and', '', 2), ('they', '', 2), ('do', 'PERSON', 3), ("n't", 'PERSON', 1), ('always', '', 2), ('honor', '', 2), ('Pizza', 'PRODUCT', 3), ('Hut', 'PRODUCT', 1), ('coupons', '', 2), ('.', '', 2)]
Entities [('steaks', 'PRODUCT'), ('100%', 'QUANTITY')]
Tokens [('Their', '', 2), ('steaks', 'PRODUCT', 3), ('are', '', 2), ('100', 'QUANTITY', 3), ('%', 'QUANTITY', 1), ('recommended', '', 2), ('!', '', 2)]
Entities [('Great food', 'PRODUCT'), ('high quality', 'PRODUCT'), ('house made', 'PRODUCT')]
Tokens [('Great', 'PRODUCT', 3), ('food', 'PRODUCT', 1), ('for', '', 2), ('the', '', 2), ('price', '', 2), (',', '', 2), ('which', '', 2), ('is', '', 2), ('very', '', 2), ('high', 'PRODUCT', 3), ('quality', 'PRODUCT', 1), ('and', '', 2), ('house', 'PRODUCT', 3), ('made', 'PRODUCT', 1), ('.', '', 2)]
Entities [('average', 'PRODUCT')]
Tokens [('Food', '', 2), ('was', '', 2), ('average', 'PRODUCT', 3), ('at', '', 2), ('best', '', 2), ('.', '', 2)]
Entities [('attentive', 'PERSON'), ('friendly,', 'PERSON'), ('informative', 'PERSON')]
Tokens [('Our', '', 2), ('waiter', '', 2), ('was', '', 2), ('very', '', 2), ('attentive', 'PERSON', 3), (',', '', 2), ('friendly', 'PERSON', 3), (',', 'PERSON', 1), ('and', '', 2), ('informative', 'PERSON', 3), ('.', '', 2)]
Entities [('20 minutes', 'TIME')]
Tokens [('After', '', 2), ('20', 'TIME', 3), ('minutes', 'TIME', 1), ('wait', '', 2), (',', '', 2), ('I', '', 2), ('got', '', 2), ('a', '', 2), ('table', '', 2), ('.', '', 2)]
Entities [('vanilla ice cream', 'PRODUCT'), ('creamy', 'PRODUCT'), ('smooth', 'PRODUCT'), ('profiterole (choux) pastry', 'PRODUCT'), ('fresh', 'PRODUCT')]
Tokens [('The', '', 2), ('vanilla', 'PRODUCT', 3), ('ice', 'PRODUCT', 1), ('cream', 'PRODUCT', 1), ('was', '', 2), ('creamy', 'PRODUCT', 3), ('and', '', 2), ('smooth', 'PRODUCT', 3), ('while', '', 2), ('the', '', 2), ('profiterole', 'PRODUCT', 3), ('(', 'PRODUCT', 1), ('choux', 'PRODUCT', 1), (')', 'PRODUCT', 1), ('pastry', 'PRODUCT', 1), ('was', '', 2), ('fresh', 'PRODUCT', 3), ('enough', '', 2), ('.', '', 2)]
Entities [('burgers', 'PRODUCT'), ('pizza', 'PRODUCT'), ('doughy', 'PRODUCT'), ('flavorless', 'PRODUCT')]
Tokens [('Now', '', 2), ('the', '', 2), ('burgers', 'PRODUCT', 3), ('are', '', 2), ("n't", '', 2), ('as', '', 2), ('good', '', 2), (',', '', 2), ('the', '', 2), ('pizza', 'PRODUCT', 3), ('which', '', 2), ('used', '', 2), ('to', '', 2), ('be', '', 2), ('amazing', '', 2), ('is', '', 2), ('doughy', 'PRODUCT', 3), ('and', '', 2), ('flavorless', 'PRODUCT', 3), ('.', '', 2)]
Entities [('delicious', 'PRODUCT')]
Tokens [('you', '', 2), ('can', '', 2), ('watch', '', 2), ('them', '', 2), ('preparing', '', 2), ('the', '', 2), ('delicious', 'PRODUCT', 3), ('food', '',

2), ('!', '', 2), (')', '', 2)]
Entities [('zero stars', 'CARDINAL')]
Tokens [('If', '', 2), ('it', '', 2), ('were', '', 2), ('possible', '', 2),
('to', '', 2), ('give', '', 2), ('them', '', 2), ('zero', 'CARDINAL', 3),
('stars', 'CARDINAL', 1), (',', '', 2), ('they', '', 2), ("'d", '', 2), ('have',
'', 2), ('it', '', 2), ('.', '', 2)]
Entities [('4', 'CARDINAL')]
Tokens [('If', '', 2), ('that', '', 2), ('bug', '', 2), ('never', '', 2),
('showed', '', 2), ('up', '', 2), ('I', '', 2), ('would', '', 2), ('have', '',
2), ('given', '', 2), ('a', '', 2), ('4', 'CARDINAL', 3), ('for', '', 2),
('sure', '', 2), (',', '', 2), ('but', '', 2), ('on', '', 2), ('the', '', 2),
('other', '', 2), ('side', '', 2), ('of', '', 2), ('the', '', 2), ('wall', '',
2), ('where', '', 2), ('this', '', 2), ('bug', '', 2), ('was', '', 2),
('climbing', '', 2), ('was', '', 2), ('the', '', 2), ('kitchen', '', 2), ('.',
'', 2)]
Entities [('great place', 'PRODUCT')]
Tokens [('It', '', 2), ("'s", '', 2), ('a', '', 2), ('great', 'PRODUCT', 3),
('place', 'PRODUCT', 1), ('and', '', 2), ('I', '', 2), ('highly', '', 2),
('recommend', '', 2), ('it', '', 2), ('.', '', 2)]
Entities [('extremely rude', 'PERSON'), ('Vegas', 'LOC')]
Tokens [('He', '', 2), ('was', '', 2), ('extremely', 'PERSON', 3), ('rude',
'PERSON', 1), ('and', '', 2), ('really', '', 2), (',', '', 2), ('there', '', 2),
('are', '', 2), ('so', '', 2), ('many', '', 2), ('other', '', 2),
('restaurants', '', 2), ('I', '', 2), ('would', '', 2), ('love', '', 2), ('to',
'', 2), ('dine', '', 2), ('at', '', 2), ('during', '', 2), ('a', '', 2),
('weekend', '', 2), ('in', '', 2), ('Vegas', 'LOC', 3), ('.', '', 2)]
Entities [('seafood', 'PRODUCT'), ('5 strings', 'QUANTITY'), ('pasta',
'PRODUCT')]
Tokens [('Not', '', 2), ('much', '', 2), ('seafood', 'PRODUCT', 3), ('and', '',
2), ('like', '', 2), ('5', 'QUANTITY', 3), ('strings', 'QUANTITY', 1), ('of',
'', 2), ('pasta', 'PRODUCT', 3), ('at', '', 2), ('the', '', 2), ('bottom', '',
2), ('.', '', 2)]
Entities [('flavorful', 'PRODUCT'), ('perfect amount', 'QUANTITY')]
Tokens [('So', '', 2), ('flavorful', 'PRODUCT', 3), ('and', '', 2), ('has', '',
2), ('just', '', 2), ('the', '', 2), ('perfect', 'QUANTITY', 3), ('amount',
'QUANTITY', 1), ('of', '', 2), ('heat', '', 2), ('.', '', 2)]
Entities [('cold', 'PRODUCT')]
Tokens [('But', '', 2), ('then', '', 2), ('they', '', 2), ('came', '', 2),
('back', '', 2), ('cold', 'PRODUCT', 3), ('.', '', 2)]
Entities [('second time', 'TIME'), ('so happy', 'NORP')]
Tokens [('Last', '', 2), ('night', '', 2), ('was', '', 2), ('my', '', 2),
('second', 'TIME', 3), ('time', 'TIME', 1), ('dining', '', 2), ('here', '', 2),
('and', '', 2), ('I', '', 2), ('was', '', 2), ('so', 'NORP', 3), ('happy',
'NORP', 1), ('I', '', 2), ('decided', '', 2), ('to', '', 2), ('go', '', 2),
('back', '', 2), ('!', '', 2)]
Entities [('fine', 'PERSON'), ('friendly', 'PERSON')]
Tokens [('Service', '', 2), ('was', '', 2), ('fine', 'PERSON', 3), ('and', '',
2), ('the', '', 2), ('waitress', '', 2), ('was', '', 2), ('friendly', 'PERSON',

3), ('.', '', 2)]
Entities [('2 hours', 'TIME'), ('pizzas', 'PRODUCT')]
Tokens [('Waited', '', 2), ('2', 'TIME', 3), ('hours', 'TIME', 1), ('&', '', 2), ('never', '', 2), ('got', '', 2), ('either', '', 2), ('of', '', 2), ('our', '', 2), ('pizzas', 'PRODUCT', 3), ('as', '', 2), ('many', '', 2), ('other', '', 2), ('around', '', 2), ('us', '', 2), ('who', '', 2), ('came', '', 2), ('in', '', 2), ('later', '', 2), ('did', '', 2), ('!', '', 2)]
Entities [('Great place', 'PRODUCT'), ('relax', 'NORP'), ('awesome', 'PRODUCT'), ('burger', 'PRODUCT'), ('beer', 'PRODUCT')]
Tokens [('Great', 'PRODUCT', 3), ('place', 'PRODUCT', 1), ('to', '', 2), ('relax', 'NORP', 3), ('and', '', 2), ('have', '', 2), ('an', '', 2), ('awesome', 'PRODUCT', 3), ('burger', 'PRODUCT', 3), ('and', '', 2), ('beer', 'PRODUCT', 3), ('.', '', 2)]
Entities [('blandest', 'PRODUCT'), ('Indian cuisine', 'PRODUCT')]
Tokens [('I', '', 2), ('just', '', 2), ('do', '', 2), ("n't", '', 2), ('know', '', 2), ('how', '', 2), ('this', '', 2), ('place', '', 2), ('managed', '', 2), ('to', '', 2), ('served', '', 2), ('the', '', 2), ('blandest', 'PRODUCT', 3), ('food', '', 2), ('I', '', 2), ('have', '', 2), ('ever', '', 2), ('eaten', '', 2), ('when', '', 2), ('they', '', 2), ('are', '', 2), ('preparing', '', 2), ('Indian', 'PRODUCT', 3), ('cuisine', 'PRODUCT', 1), ('.', '', 2)]
Entities [('AYCE sushi place', 'PRODUCT'), ('Vegas', 'LOC')]
Tokens [('Much', '', 2), ('better', '', 2), ('than', '', 2), ('the', '', 2), ('other', '', 2), ('AYCE', 'PRODUCT', 3), ('sushi', 'PRODUCT', 1), ('place', 'PRODUCT', 1), ('I', '', 2), ('went', '', 2), ('to', '', 2), ('in', '', 2), ('Vegas', 'LOC', 3), ('.', '', 2)]
Entities [('food poisoning', 'PRODUCT')]
Tokens [('I', '', 2), ('got', '', 2), ('food', 'PRODUCT', 3), ('poisoning', 'PRODUCT', 1), ('here', '', 2), ('at', '', 2), ('the', '', 2), ('buffet', '', 2), ('.', '', 2)]
Entities [('disappointment', 'NORP')]
Tokens [('This', '', 2), ('one', '', 2), ('is', '', 2), ('simply', '', 2), ('a', '', 2), ('disappointment', 'NORP', 3), ('.', '', 2)]
Entities [('pretty neat', 'PRODUCT'), ('pretty trippy', 'PRODUCT')]
Tokens [('The', '', 2), ('building', '', 2), ('itself', '', 2), ('seems', '', 2), ('pretty', 'PRODUCT', 3), ('neat', 'PRODUCT', 1), (',', '', 2), ('the', '', 2), ('bathroom', '', 2), ('is', '', 2), ('pretty', 'PRODUCT', 3), ('trippy', 'PRODUCT', 1), (',', '', 2), ('but', '', 2), ('I', '', 2), ('would', '', 2), ("n't", '', 2), ('eat', '', 2), ('here', '', 2), ('again', '', 2), ('.', '', 2)]
Entities [('Cute', 'PRODUCT'), ('quaint', 'PRODUCT'), ('simple', 'PRODUCT'), ('honest', 'PRODUCT')]
Tokens [('Cute', 'PRODUCT', 3), (',', '', 2), ('quaint', 'PRODUCT', 3), (',', '', 2), ('simple', 'PRODUCT', 3), (',', '', 2), ('honest', 'PRODUCT', 3), ('.', '', 2)]
Entities [('Great atmosphere', 'PRODUCT'), ('friendly', 'PERSON'), ('fast service', 'PERSON')]
Tokens [('Great', 'PRODUCT', 3), ('atmosphere', 'PRODUCT', 1), (',', '', 2), ('friendly', 'PERSON', 3), ('and', '', 2), ('fast', 'PERSON', 3), ('service', 'PERSON', 1), ('.', '', 2)]

```
Entities [('Soggy', 'PRODUCT'), ('not good', 'PRODUCT')]
Tokens [('Soggy', 'PRODUCT', 3), ('and', '', 2), ('not', 'PRODUCT', 3), ('good',
'PRODUCT', 1), ('.', '', 2)]
Entities [('8 bucks', 'MONEY')]
Tokens [('Plus', '', 2), (',', '', 2), ('it', '', 2), ("'s", '', 2), ('only',
'', 2), ('8', 'MONEY', 3), ('bucks', 'MONEY', 1), ('.', '', 2)]
Entities [('desserts', 'PRODUCT'), ('yummy', 'PRODUCT')]
Tokens [('I', '', 2), ('can', '', 2), ('say', '', 2), ('that', '', 2), ('the',
'', 2), ('desserts', 'PRODUCT', 3), ('were', '', 2), ('yummy', 'PRODUCT', 3),
('.', '', 2)]
Entities [('great', 'PERSON'), ('great', 'PRODUCT')]
Tokens [('The', '', 2), ('staff', '', 2), ('are', '', 2), ('great', 'PERSON',
3), (',', '', 2), ('the', '', 2), ('ambiance', '', 2), ('is', '', 2), ('great',
'PRODUCT', 3), ('.', '', 2)]
Entities [('convenient', 'PRODUCT'), ('MGM', 'LOC')]
Tokens [('Very', '', 2), ('convenient', 'PRODUCT', 3), (',', '', 2), ('since',
'', 2), ('we', '', 2), ('were', '', 2), ('staying', '', 2), ('at', '', 2),
('the', '', 2), ('MGM', 'LOC', 3), ('!', '', 2)]
Entities [('Mediocre', 'PRODUCT')]
Tokens [('Mediocre', 'PRODUCT', 3), ('food', '', 2), ('.', '', 2)]
Entities [('Best', 'PRODUCT'), ('tacos', 'PRODUCT')]
Tokens [('Best', 'PRODUCT', 3), ('tacos', 'PRODUCT', 3), ('in', '', 2), ('town',
'', 2), ('by', '', 2), ('far', '', 2), ('!', '', 2), ('!', '', 2)]
Entities [('not tasty', 'PRODUCT'), ('traditional Hunan style""', 'PRODUCT')]
Tokens [('"', '', 2), ('the', '', 2), ('food', '', 2), ('is', '', 2), ('not',
'PRODUCT', 3), ('tasty', 'PRODUCT', 1), ('at', '', 2), ('all', '', 2), (',', '',
2), ('not', '', 2), ('to', '', 2), ('say', '', 2), ('its', '', 2), ('"', '', 2),
('"', '', 2), ('real', '', 2), ('traditional', 'PRODUCT', 3), ('Hunan',
'PRODUCT', 1), ('style', 'PRODUCT', 1), ('"', 'PRODUCT', 1), ('"', 'PRODUCT',
1), ('.', '', 2), ('"', '', 2)]
Entities [('excellent service', 'PERSON')]
Tokens [('He', '', 2), ('also', '', 2), ('came', '', 2), ('back', '', 2), ('to',
'', 2), ('check', '', 2), ('on', '', 2), ('us', '', 2), ('regularly', '', 2),
(',', '', 2), ('excellent', 'PERSON', 3), ('service', 'PERSON', 1), ('.', '',
2)]
Entities [('gross', 'PRODUCT')]
Tokens [('Everything', '', 2), ('was', '', 2), ('gross', 'PRODUCT', 3), ('.',
'', 2)]
Entities [('chips', 'PRODUCT'), ('dripping with grease', 'PRODUCT'), ('not
edible', 'PRODUCT')]
Tokens [('The', '', 2), ('chips', 'PRODUCT', 3), ('that', '', 2), ('came', '',
2), ('out', '', 2), ('were', '', 2), ('dripping', 'PRODUCT', 3), ('with',
'PRODUCT', 1), ('grease', 'PRODUCT', 1), (',', '', 2), ('and', '', 2),
('mostly', '', 2), ('not', 'PRODUCT', 3), ('edible', 'PRODUCT', 1), ('.', '',
2)]
Entities [("Gordon Ramsey's Steak", 'PRODUCT'), ('Vegas', 'LOC')]
Tokens [('Sadly', '', 2), (',', '', 2), ('Gordon', 'PRODUCT', 3), ('Ramsey',
'PRODUCT', 1), ("'s", 'PRODUCT', 1), ('Steak', 'PRODUCT', 1), ('is', '', 2),
```

('a', '', 2), ('place', '', 2), ('we', '', 2), ('shall', '', 2), ('sharply', '', 2), ('avoid', '', 2), ('during', '', 2), ('our', '', 2), ('next', '', 2), ('trip', '', 2), ('to', '', 2), ('Vegas', 'LOC', 3), ('.', '', 2)]
Entities [('ribeye steak was', 'PRODUCT'), ('cooked perfectly', 'PRODUCT'), ('great mesquite flavor', 'PRODUCT')]
Tokens [('My', '', 2), ('ribeye', 'PRODUCT', 3), ('steak', 'PRODUCT', 1), ('was', 'PRODUCT', 1), ('cooked', 'PRODUCT', 3), ('perfectly', 'PRODUCT', 1), ('and', '', 2), ('had', '', 2), ('great', 'PRODUCT', 3), ('mesquite', 'PRODUCT', 1), ('flavor', 'PRODUCT', 1), ('.', '', 2)]
Entities [('extremely slow', 'PERSON')]
Tokens [('The', '', 2), ('service', '', 2), ('was', '', 2), ('extremely', 'PERSON', 3), ('slow', 'PERSON', 1), ('.', '', 2)]
Entities [('Paradise Valley', 'LOC'), ('Cibo', 'PRODUCT')]
Tokens [('I', '', 2), ('work', '', 2), ('in', '', 2), ('the', '', 2), ('hospitality', '', 2), ('industry', '', 2), ('in', '', 2), ('Paradise', 'LOC', 3), ('Valley', 'LOC', 1), ('and', '', 2), ('have', '', 2), ('refrained', '', 2), ('from', '', 2), ('recommending', '', 2), ('Cibo', 'PRODUCT', 3), ('any', '', 2), ('longer', '', 2), ('.', '', 2)]
Entities [('honest', 'NORP')]
Tokens [('I', '', 2), ('probably', '', 2), ('wo', '', 2), ("n't", '', 2), ('be', '', 2), ('back', '', 2), (',', '', 2), ('to', '', 2), ('be', '', 2), ('honest', 'NORP', 3), ('.', '', 2)]
Entities [('below average', 'PRODUCT')]
Tokens [('Food', '', 2), ('was', '', 2), ('below', 'PRODUCT', 3), ('average', 'PRODUCT', 1), ('.', '', 2)]
Entities [('Interesting decor', 'PRODUCT')]
Tokens [('Interesting', 'PRODUCT', 3), ('decor', 'PRODUCT', 1), ('.', '', 2)]
Entities [('FS restaurant', 'PRODUCT'), ('wonderful', 'PRODUCT')]
Tokens [('Anyway', '', 2), (',', '', 2), ('this', '', 2), ('FS', 'PRODUCT', 3), ('restaurant', 'PRODUCT', 1), ('has', '', 2), ('a', '', 2), ('wonderful', 'PRODUCT', 3), ('breakfast', '', 2), ('/', '', 2), ('lunch', '', 2), ('.', '', 2)]
Entities [('very frustrated', 'NORP')]
Tokens [('Left', '', 2), ('very', 'NORP', 3), ('frustrated', 'NORP', 1), ('.', '', 2)]
Entities [('more satisfying', 'NORP')]
Tokens [('Could', '', 2), ("n't", '', 2), ('ask', '', 2), ('for', '', 2), ('a', '', 2), ('more', 'NORP', 3), ('satisfying', 'NORP', 1), ('meal', '', 2), ('.', '', 2)]
Entities [('best', 'PRODUCT'), ('cheese crisp', 'PRODUCT')]
Tokens [('They', '', 2), ('also', '', 2), ('have', '', 2), ('the', '', 2), ('best', 'PRODUCT', 3), ('cheese', 'PRODUCT', 3), ('crisp', 'PRODUCT', 1), ('in', '', 2), ('town', '', 2), ('.', '', 2)]
Entities [('grossed out', 'NORP')]
Tokens [('But', '', 2), ('now', '', 2), ('I', '', 2), ('was', '', 2), ('completely', '', 2), ('grossed', 'NORP', 3), ('out', 'NORP', 1), ('.', '', 2)]
Entities [('spaghetti', 'PRODUCT'), ('nothing special', 'PRODUCT')]
Tokens [('the', '', 2), ('spaghetti', 'PRODUCT', 3), ('is', '', 2), ('nothing',

```
'PRODUCT', 3), ('special', 'PRODUCT', 1), ('whatsoever', '', 2), ('.', '', 2)]
Entities [('poor', 'PRODUCT'), ('batter', 'PRODUCT'), ('meat', 'PRODUCT'),
('chicken tenders', 'PRODUCT'), ('unsatisfying', 'NORP')]
Tokens [('The', '', 2), ('poor', 'PRODUCT', 3), ('batter', 'PRODUCT', 3), ('to',
'', 2), ('meat', 'PRODUCT', 3), ('ratio', '', 2), ('made', '', 2), ('the', '',
2), ('chicken', 'PRODUCT', 3), ('tenders', 'PRODUCT', 1), ('very', '', 2),
('unsatisfying', 'NORP', 3), ('.', '', 2)]
Entities [('incredible', 'PRODUCT'), ('nay', 'PRODUCT'), ('transcendant',
'PRODUCT'), ('joy', 'NORP'), ('pneumatic', 'PRODUCT'), ('condiment', 'PRODUCT')]
Tokens [('To', '', 2), ('summarize', '', 2), ('…', '', 2), ('the', '', 2),
('food', '', 2), ('was', '', 2), ('incredible', 'PRODUCT', 3), (',', '', 2),
('nay', 'PRODUCT', 3), (',', '', 2), ('transcendant', 'PRODUCT', 3), ('…', '',
2), ('but', '', 2), ('nothing', '', 2), ('brings', '', 2), ('me', '', 2),
('joy', 'NORP', 3), ('quite', '', 2), ('like', '', 2), ('the', '', 2),
('memory', '', 2), ('of', '', 2), ('the', '', 2), ('pneumatic', 'PRODUCT', 3),
('condiment', 'PRODUCT', 3), ('dispenser', '', 2), ('.', '', 2)]
```

0.3.9   Save the cusom NER model

```python
import os

output_dir= os.path.abspath(os.getcwd())
nlp.to_disk(output_dir)
print("Saved model to", output_dir)
```

```
Saved model to /Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3
```

0.3.10   Test the saved custom model

```python
print("Loading from", output_dir)
nlp2 = spacy.load(output_dir)
for annotations in training_data["annotations"][3:5]:
    doc = nlp2(annotations['text'])
    print('Entities', [(ent.text, ent.label_) for ent in doc.ents])
    print('Tokens', [(t.text, t.ent_type_, t.ent_iob) for t in doc])
```

```
Loading from /Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3
Entities [('good', 'PRODUCT'), ('rice', 'PRODUCT')]
Tokens [('-', '', 2), ('Really', '', 2), (',', '', 2), ('really', '', 2),
('good', 'PRODUCT', 3), ('rice', 'PRODUCT', 3), (',', '', 2), ('all', '', 2),
('the', '', 2), ('time', '', 2), ('.', '', 2)]
Entities [('loved', 'PRODUCT'), ('salmon tartar', 'PRODUCT')]
Tokens [('My', '', 2), ('friend', '', 2), ('loved', 'PRODUCT', 3), ('the', '',
2), ('salmon', 'PRODUCT', 3), ('tartar', 'PRODUCT', 1), ('.', '', 2)]
```

```python
file = open('/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3/
↪Customer_Review_Data.txt')
text = file.read()
file.close()
```

```
nlp2 = spacy.load(output_dir)
doc = nlp2(text)
displacy.render(doc, style="ent", jupyter=True)
```

```
<IPython.core.display.HTML object>
```

0.4 Task 3: Insights and Visualization

Use the Custom NER Model: Determine the positive and negative insights by extracting entities from the customer reviews.

Extract Insights: Determine the top five reviews, based on sentiment analysis or the entities identified by the NER model.

Visualization: To effectively visualise these insights, make use of libraries such as Seaborn or Matplotlib.

0.4.1 Step 1: Apply the NER Model

```python
[63]: import spacy
      import pandas as pd
      from collections import Counter
      import matplotlib.pyplot as plt
      from textblob import TextBlob

      # Load trained NER model
      output_dir = '/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3'
      nlp = spacy.load(output_dir)

      # Load reviews
      file_path = '/Users/shubhamgaur/Desktop/NU/Sem3/NLP/Assignment3/
       ↪Customer_Review_Data.txt'
      with open(file_path, 'r') as file:
          reviews_text = file.readlines()

      reviews_df = pd.DataFrame(reviews_text, columns=['review'])

      # Get entities and sentiment
      def extract_entities_and_sentiment(text):
          doc = nlp(text)
          entities = [(ent.text, ent.label_) for ent in doc.ents]

          # TextBlob for sentiment analysis
          sentiment_score = TextBlob(text).sentiment.polarity  # This will give a␣
       ↪score between -1 (negative) and 1 (positive)

          return entities, sentiment_score

      # Process reviews
```

```
reviews_df['entities'], reviews_df['sentiment'] = zip(*reviews_df['review'].
 ↪apply(extract_entities_and_sentiment))

# Add positive and negative labels based on sentiment score
reviews_df['label'] = reviews_df['sentiment'].apply(lambda x: 'Positive' if x >␣
 ↪0 else 'Negative' if x < 0 else 'Neutral')

print(reviews_df.head())
```

```
                                                     review  \
0                             Wow… Loved this place.\n
1                               Crust is not good.\n
2         Not tasty and the texture was just nasty.\n
3  Stopped by during the late May bank holiday of…
4  The selection on the menu was great and so wer…


                                              entities  sentiment      label
0                                      [(Loved, NORP)]       0.40   Positive
1                                    [(Crust, PRODUCT)]      -0.35   Negative
2           [(Not tasty, PRODUCT), (nasty, PRODUCT)]     -1.00   Negative
3  [(late, PRODUCT), (Steve, LOC), (loved, PRODUCT)]       0.20   Positive
4                                    [(great, PRODUCT)]       0.80   Positive
```

0.4.2 Step 2: Identify Top Insights

Next, extract the top 5 positive and negative reviews based on the entities and sentiment scores.

```
[64]: # Count entities by type
      entity_counter = Counter([ent[1] for review_entities in reviews_df['entities']␣
       ↪for ent in review_entities])
      top_entities = entity_counter.most_common(5)

      # Count positive and negative reviews
      label_counter = reviews_df['label'].value_counts()

      # Display insights
      print("Top Entities:", top_entities)
      print("Review Counts by Label:\n", label_counter)
```

```
Top Entities: [('PRODUCT', 584), ('PERSON', 86), ('NORP', 79), ('QUANTITY', 31),
('LOC', 23)]
Review Counts by Label:
 label
Positive    276
Negative    112
Neutral     112
Name: count, dtype: int64
```

0.4.3 Step 3: Visualization

Use visualization tools to showcase the top positive and negative insights.

```
[74]: import seaborn as sns
      import matplotlib.pyplot as plt

      sns.set(style="whitegrid")
      plt.figure(figsize=(10, 5))

      # Top 5
      plt.subplot(1, 2, 1)
      sns.barplot(x=[entity[0] for entity in top_entities], y=[entity[1] for entity
        ↪in top_entities], palette='Blues_d')
      plt.title('Top 5 Entities')
      plt.xlabel('Entities')
      plt.ylabel('Count')

      # Sentiment Distribution Bar Plot
      plt.subplot(1, 2, 2)
      sns.barplot(x=label_counter.index, y=label_counter.values, palette='Blues_d')
      plt.title('Sentiment Distribution')
      plt.xlabel('Sentiment Label')
      plt.ylabel('Count')

      plt.tight_layout()
      plt.show()
```
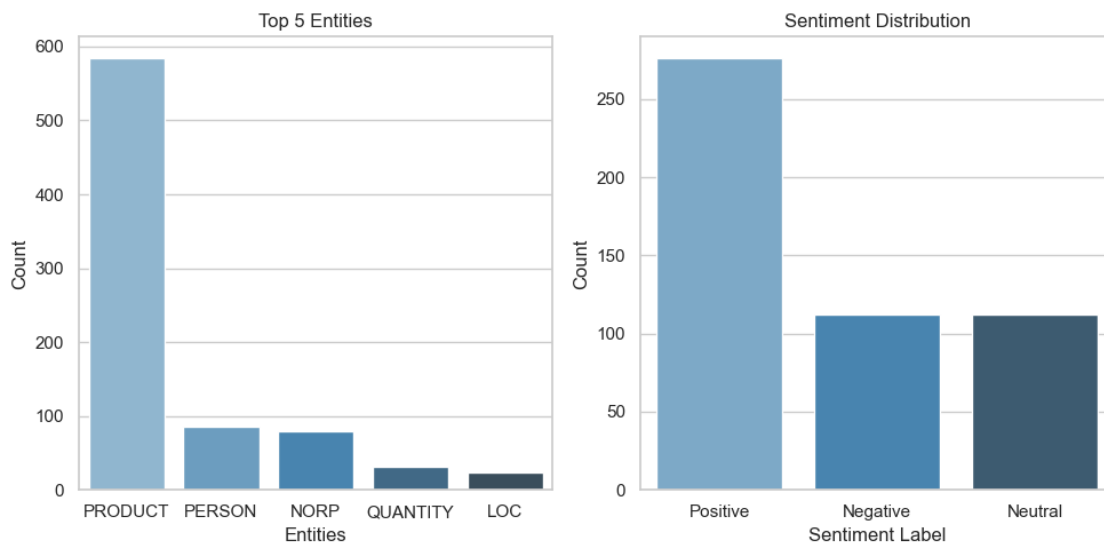

PRODUCT is the most frequent entity type, indicating that many reviews mention specific products or items. PERSON and NORP (nationality or religious group) are also common, suggesting that

reviews often reference people or groups. QUANTITY and LOC (location) are less frequent but still significant, suggesting that reviews sometimes discuss quantities or places.

0.4.4 Additional Visualizations

You can also consider using word clouds to visualize the most common entities in positive and negative reviews:

```
[73]: from wordcloud import WordCloud
import matplotlib.pyplot as plt

# Function to get unique entities
def get_unique_entities(entities_list):
    seen = set()  # Set to store unique entity names
    unique_entities = []
    for entities in entities_list:
        for ent in entities:
            if ent[0] not in seen:
                seen.add(ent[0])  # Add entity to the set
                unique_entities.append(ent[0])  # Append unique entity text
    return ' '.join(unique_entities)

# Get top 5 positive reviews
top_positive_reviews = reviews_df[reviews_df['label'] == 'Positive'].
 ↪nlargest(5, 'sentiment')

# Get top 5 negative reviews
top_negative_reviews = reviews_df[reviews_df['label'] == 'Negative'].
 ↪nsmallest(5, 'sentiment')

# Extract unique entities from the reviews
positive_entities = get_unique_entities(top_positive_reviews['entities'])
negative_entities = get_unique_entities(top_negative_reviews['entities'])

# Generate word clouds
positive_wordcloud = WordCloud(width=800, height=400, background_color='white').
 ↪generate(positive_entities)
negative_wordcloud = WordCloud(width=800, height=400, background_color='white').
 ↪generate(negative_entities)

# Plot Word Clouds
fig, axes = plt.subplots(1, 2, figsize=(15, 7))

# Positive Review Word Cloud
axes[0].imshow(positive_wordcloud, interpolation='bilinear')
axes[0].axis('off')
axes[0].set_title('Top 5 Positive Review Entities')
```
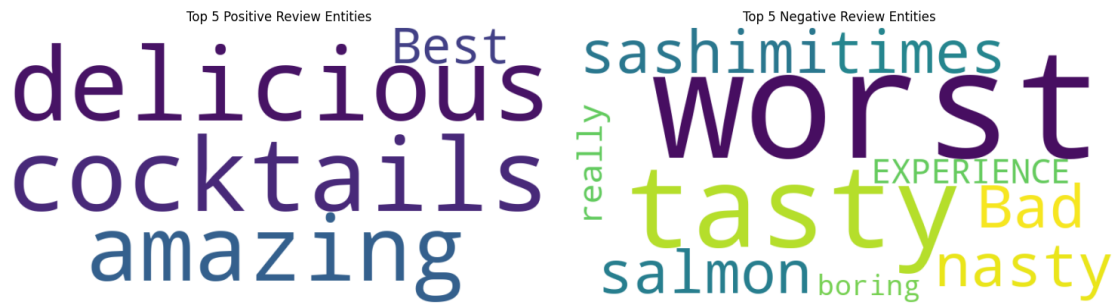
```
# Negative Review Word Cloud
axes[1].imshow(negative_wordcloud, interpolation='bilinear')
axes[1].axis('off')
axes[1].set_title('Top 5 Negative Review Entities')

plt.tight_layout()
plt.show()
```


Positive Review Entities: Keywords like "delicious," "cocktails," "amazing," and "Best" dominate, reflecting the positive sentiment of these reviews.

Negative Review Entities: Words like "worst," "nasty," "bad," and "times" are prominent, highlighting the negative aspects mentioned in these reviews.

0.4.5   Conclusion

The custom NER model successfully extracted valuable information from customer reviews by identifying key entities such as products, people, pricing, and times. These insights provide businesses with actionable data to improve customer service, adjust pricing strategies, and enhance product offerings. By focusing on what customers mention most frequently in their reviews, businesses can better meet customer expectations and deliver improved experiences.