

EIOS machine learning to detect disease article signals for WHO-AFRO

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Prerequisites

1. Install Tensorflow and AutoKeras using the instructions found here <https://autokeras.com/install/>.
2. Run the commands below to install other Python libraries.

```
In [1]: !python3 -m pip install striprtft
!python3 -m pip install scikit-learn
!python3 -m pip install regex
!python3 -m pip install --user -U nltk
```

```
/bin/bash: /home/scottpez/anaconda3/lib/libtinfo.so.6: no version information available (required by /bin/bash)
Requirement already satisfied: striprtft in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (0.0.25)
/bin/bash: /home/scottpez/anaconda3/lib/libtinfo.so.6: no version information available (required by /bin/bash)
Requirement already satisfied: scikit-learn in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (1.3.0)
Requirement already satisfied: numpy>=1.17.3 in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from scikit-learn) (1.24.3)
Requirement already satisfied: scipy>=1.5.0 in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from scikit-learn) (1.11.1)
Requirement already satisfied: joblib>=1.1.1 in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from scikit-learn) (1.3.1)
Requirement already satisfied: threadpoolctl>=2.0.0 in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from scikit-learn) (3.1.0)
/bin/bash: /home/scottpez/anaconda3/lib/libtinfo.so.6: no version information available (required by /bin/bash)
Requirement already satisfied: regex in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (2023.6.3)
/bin/bash: /home/scottpez/anaconda3/lib/libtinfo.so.6: no version information available (required by /bin/bash)
Requirement already satisfied: nltk in /home/scottpez/.local/lib/python3.11/site-packages (3.8.1)
Requirement already satisfied: click in /home/scottpez/.local/lib/python3.11/site-packages (from nltk) (8.1.4)
Requirement already satisfied: joblib in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from nltk) (1.3.1)
Requirement already satisfied: regex>=2021.8.3 in /home/scottpez/anaconda3/envs/who_ak/lib/python3.11/site-packages (from nltk) (2023.6.3)
Requirement already satisfied: tqdm in /home/scottpez/.local/lib/python3.11/site-packages (from nltk) (4.65.0)
```

Create the training data

- The code belows assume that you exported from EIOS roughly equal numbers of articles previously labeled as signals and articles not signals.
 - The more representative your articles are of all types of articles you are looking for, the better.
 - Articles will ideally come from different time periods, sources, be about different diseases, etc.
-
- Read in the data from the Doc files
 - Note: They are actually not in MS Doc format. They are in RTF. So, we need the striprtf python library to convert RTF to TXT.
 - The code assumes that for each set of documents, there are article signals in a directory named "signal" and articles that are not signals in a directory named "not_signal."
 - Here, I also set the variable max_chars which will be used later to truncate the full text to the first 4,000 characters for model training. Longer text will cause memory issues unless you have a lot of GPU memory.

```
In [2]: import glob
from datetime import datetime
from striprtf.striprtf import rtf_to_text
import pandas as pd

# Below is the primary path to your training data. You should have "signal" and
data_path = '/mnt/h/My Drive/work/BrightWorldLabs/coreWork/consulting/2023/WHO-A
dir_signal = 'signal'
dir_not_signal = 'not_signal'
min_chars = 40 # if the article is less than this number of characters, I will
max_chars = 4000 # used to truncate the article text because longer text causes
max_words = 400 # not currently used

# fields to parse. Some of these fields might be valuable to the model in the fu
label_title = 'Title: '
label_about_country = 'About country: '
label_source = 'Source: '
label_retrieval_date = 'Retrieval date: '
label_source_type = 'Source type: '
label_from_country = 'From country: '
label_language = 'Language: '
label_summary = 'Summary: '
label_full_text = 'Full text: '
label_translated_text = 'Translated text: '
article_break = '(out of '

articles = []
article_columns = ['title', 'about_country', 'source', 'retrieval_date', 'source
# loop through all articles and parse them line by line using their labels to pl
for f in glob.glob(data_path + '/*/*/' + '*.doc', recursive=True):
    with open(f, 'r', encoding="utf-8", errors='ignore') as file:
        rtf = file.read()
```

```

text = rtf_to_text(rtf) # converts RTF format to plain text.
lines = text.split('\n')
title = ''
about_country = ''
source = ''
retrieval_date = ''
source_type = ''
from_country = ''
language = ''
summary = ''
full_text = ''
translated_text = ''
for line in lines:
    if article_break in line and '1(out of ' not in line:
        # the next two lines creates the article label for machine learn
        signal_type = 'signal'
        if dir_not_signal in f:
            signal_type = 'not_signal'
        article_arr = [
            title,
            about_country,
            source,
            retrieval_date.strftime('%s'),
            source_type,
            from_country,
            language,
            summary,
            full_text,
            translated_text,
            signal_type
        ]
        articles.append(article_arr)
        title = ''
        about_country = ''
        source = ''
        retrieval_date = ''
        source_type = ''
        from_country = ''
        language = ''
        summary = ''
        full_text = ''
        translated_text = ''
    if label_title in line:
        title = line.replace(label_title, '')
    elif label_about_country in line:
        tmp_arr = line.split('|')
        about_country = tmp_arr[0].replace(label_about_country, '').strip()
        source = tmp_arr[1].replace(label_source, '').strip()
    elif label_retrieval_date in line:
        retrieval_date = line.replace(label_retrieval_date, '').split('|')
        try:
            retrieval_date = datetime.strptime(retrieval_date + ' 2023',
        except ValueError as ve:
            retrieval_date = datetime.now()
    elif label_source_type in line:
        tmp_arr = line.split('|')
        source_type = tmp_arr[0].replace(label_source_type, '').strip()
        from_country = tmp_arr[1].replace(label_from_country, '').strip()
        language = tmp_arr[2].replace(label_language, '')
    elif label_summary in line:

```

```

        summary = line.replace(label_summary, '')
    elif label_full_text in line:
        tmp_arr = line.split('|')
        full_text = tmp_arr[0].replace(label_full_text, '')
        if len(full_text) > min_chars:
            full_text = full_text[:max_chars].encode(
                'utf-8', errors='ignore'
            ).decode('utf-8')
    elif label_translated_text in line:
        tmp_arr = line.split('|')
        translated_text = tmp_arr[0].replace(label_translated_text, '')
        if len(translated_text) > min_chars:
            translated_text = translated_text[:max_chars].encode(
                'utf-8', errors='ignore'
            ).decode('utf-8')
if len(title) > 0:
    signal_type = 'signal'
    if dir_not_signal in f:
        signal_type = 'not_signal'
    article_arr = [
        title,
        about_country,
        source,
        retrieval_date.strftime('%s'),
        source_type,
        from_country,
        language,
        summary,
        full_text,
        translated_text,
        signal_type
    ]
    articles.append(article_arr)

df = pd.DataFrame(articles, columns=article_columns)

```

```
In [3]: df.drop_duplicates(subset=['full_text'], inplace=True)
```

```
In [4]: # if the full_text exists, use that for training. If not, use the translated_text
def set_final_text(row):
    if row['language'] == 'English':
        return row['full_text']
    else:
        return row['translated_text']

df['final_text'] = df.apply(lambda row: set_final_text(row), axis=1)

```

```
In [5]: df
```

Out[5]:

	title	about_country	source	retrieval_date	source_type	from_count
0	Le moustique tigre envahit la France	France	Le Monde	1687220460	General News	France
1	ESWATINI HIT BY MUMPS OUTBREAK	Eswatini	The Swazi Observer	1686897060	General News	Eswatini
2	Mueren 106 personas por el naufragio de un bar...	Nigeria	Noticias en La Paz y Baja California Sur-Tribu...	1686833220	General News	Mexico
3	Naufrage d'un bateau au Nigeria : le bilan gri...	Nigeria	Le Courrier du Vietnam	1686831480	General News	Viet Nam
4	Nigéria : Bola Tinubu ordonne une enquête après...	Niger, Nigeria	banouto	1686830100	General News	Benin
...
915	Uganda sends more troops to pursue attackers w...	Democratic Republic of the Congo, Congo, Uganda	Reuters (Deutsch)	1687092060	General News	The United Kingdom
916	Der weite Weg des Dammschlamms	Bulgaria, Comoros, Ukraine	Frankfurter Rundschau	1687091880	General News	Germany
917	Attentat contre un dortoir des lycéens en Ouga...	Algeria, Uganda	APS : Algérie Presse Service	1687091880	General News	Algeria
918	Norinco: Le Mali reçoit plus d'armes chinoises	Guinea, Mali	bamada	1687091820	Medical	Mali
919	الرئيس السنغالي: الحرب الروسية الأوكرانية دمرت	Congo, Comoros, Russian Federation, Senegal, U...	alwafid	1687091580	General News	Morocco

657 rows × 12 columns



Downsample the not_signal class to match the number in the signal class.

- Typically for binary classification, it is best to have equal amounts for each class.
- Since I had more not_signals, I downsampled the not_signal class which means randomly removing articles until the amount matches.

```
In [6]: df_final = df[df['final_text'] != ''] # drop those that are not in English and a
df_signal = df_final[df_final['signal_type'] == 'signal']
df_not_signal = df_final[df_final['signal_type'] == 'not_signal']
```

```
In [7]: print(len(df_signal))
print(len(df_not_signal))
```

```
144
220
```

```
In [8]: from sklearn.utils import resample

df_not_signal = resample(df_not_signal,
                        replace=True,
                        n_samples=len(df_signal),
                        random_state=42)
```

```
In [9]: print(len(df_signal))
print(len(df_not_signal))
```

```
144
144
```

Train the model using AutoKeras TextClassifier

We will classify the documents as either signals or not signals.

Import necessary libraries for machine learning.

```
In [10]: import logging
import os
logging.disable(logging.WARNING)
os.environ['TF_CPP_MIN_LOG_LEVEL'] = '3'
import numpy as np
import tensorflow as tf
tf.get_logger().setLevel('ERROR')
from sklearn.model_selection import train_test_split

import autokeras as ak
```

Split the data for training and testing. The default is an 80/20 split.

```
In [11]: train_data, test_data = train_test_split(pd.concat([df_signal, df_not_signal]))
```

Data Preprocessing

The libraries below contain punctuation and stopwords lists.

```
In [12]: import nltk
nltk.download('punkt')
nltk.download('stopwords')
```

```
[nltk_data] Downloading package punkt to /home/scottpez/nltk_data...
[nltk_data]   Package punkt is already up-to-date!
[nltk_data] Downloading package stopwords to
[nltk_data]   /home/scottpez/nltk_data...
[nltk_data]   Package stopwords is already up-to-date!
```

Out[12]: True

My preprocessing steps include:

- Removing non-utf characters like symbols.
- Removing punctuation.
- Removing stop words.
- Set the label for signals as 1 (positive) and not_signals as 0 (negative).

```
In [13]: import string

s_words = nltk.corpus.stopwords.words("english")
punc = string.punctuation
punc += ' ' + '!' + '!"' + '“'

def remove_non_utf(txt):
    return txt.encode(
        'utf-8', errors='ignore'
    ).decode('utf-8')

def create_label(lbl):
    if lbl == 'signal':
        return 1
    if lbl == 'not_signal':
        return 0

def remove_stop_words(txt):
    new_txt = ''
    word_len = 0
    for sent in nltk.sent_tokenize(txt):
        text_tokens = nltk.word_tokenize(sent)
        tokens_without_sw = [word for word in text_tokens if not word in s_words]
        new_txt += ' '.join(tokens_without_sw) + '. '
        word_len += len(tokens_without_sw)
        if word_len >= max_words:
            break
    return new_txt

def remove_punctuation(txt):
    return "".join([w for w in txt if w not in punc])
```

```

x_train = train_data['full_text']
x_train = x_train.apply(remove_non_utf)
x_train = x_train.apply(remove_stop_words)
x_train = x_train.apply(remove_punctuation)

y_train = train_data[article_columns[-1]].apply(create_label)
x_test = test_data['full_text']
x_test = x_test.apply(remove_non_utf)
x_test = x_test.apply(remove_stop_words)
x_test = x_test.apply(remove_punctuation)
y_test = test_data[article_columns[-1]].apply(create_label)

x_train = np.array(x_train)
y_train = np.array(y_train)
x_test = np.array(x_test)
y_test = np.array(y_test)

print(x_train.shape) # (25000,)
print(y_train.shape) # (25000, 1)
print(x_train[0])
print(y_train[0])

```

(216,)

(216,)

Hand Foot Mouth Disease downs 51 children South

1

Load the data into AutoKeras

- Use AutoKeras's TextClassifier to fit the model with 5 epochs.
- With AutoML, the typical strategy is to first train with a small number of epochs allowing time for it to try lots of different model types.
- Plus, usually it does not take long to decide which model is best.
- Once we find the best model for the data, farther down we will train that model longer for better results.
- I have a Nvidia RTX Titan GPU with 24 GB of memory and the best model selection below takes 2-10 minutes.
- If you increase the max_trials or increase the epochs, it will obviously take longer.
- With more training data, it will train longer and the length of time will grow non-linearly.
- Farther down, training the best model for longer took less time because it is only one model.
- The training time depends on your computer hardware and the amount of training data.

```

In [14]: %%time
# Initialize the text classifier.
clf = ak.TextClassifier(
    overwrite=True, max_trials=4
) # It only tries 4 models as a quick demo. You can set max_trials higher to tr
# Feed the text classifier with training data.
clf.fit(x_train, y_train, epochs=5) # epochs=10

```


Trial 4 Complete [00h 00m 01s]

Best val_loss So Far: 0.5372402667999268

Total elapsed time: 00h 02m 28s

Epoch 1/5

7/7 [=====] - 4s 174ms/step - loss: 0.6672 - accuracy: 0.6343

Epoch 2/5

7/7 [=====] - 0s 36ms/step - loss: 0.4255 - accuracy: 0.7870

Epoch 3/5

7/7 [=====] - 0s 28ms/step - loss: 0.2285 - accuracy: 0.8981

Epoch 4/5

7/7 [=====] - 0s 15ms/step - loss: 0.1022 - accuracy: 0.9722

Epoch 5/5

7/7 [=====] - 0s 16ms/step - loss: 0.0756 - accuracy: 0.9630

CPU times: user 1min 48s, sys: 34.8 s, total: 2min 23s

Wall time: 2min 38s

Out[14]: <keras.callbacks.History at 0x7f891e32d110>

```
In [15]: %%time
# Predict with the best model.
predicted_y = clf.predict(x_test)
# Evaluate the best model with testing data.
print(clf.evaluate(x_test, y_test))
```

3/3 [=====] - 0s 13ms/step

3/3 [=====] - 0s 12ms/step

3/3 [=====] - 0s 14ms/step - loss: 0.5135 - accuracy: 0.7778

[0.5134537220001221, 0.7777777910232544]

CPU times: user 2.49 s, sys: 63.6 ms, total: 2.55 s

Wall time: 2.62 s

Export the best performing model and try to train longer to obtain better results

- In the step above, we found the best model.
- Now, export that model to a standard Keras model.
- Train the best model longer.

```
In [16]: best_model = clf.export_model()
print(best_model.summary())
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
=====			
input_1 (InputLayer)	[(None,)]	0	[]
expand_last_dim (ExpandLastDim [0]'))	(None, 1)	0	['input_1[0]
text_vectorization (TextVector m[0][0]') ization)	(None, 256)	0	['expand_last_di
tf.compat.v1.shape (TFOpLambda tion[0][0]'))	(2,)	0	['text_vectoriza
tf.__operators__.getitem (Slic hape[0][0]') ingOpLambda)	()	0	['tf.compat.v1.s
tf.ones (TFOpLambda) __.getitem[0][0]'	(None, 1)	0	['tf.__operators]
tf.linalg.matmul (TFOpLambda) [0]')	(None, 256)	0	['tf.ones[0]
embedding (Embedding) tion[0][0]')	(None, 256, 32)	160032	['text_vectoriza
embedding_1 (Embedding) ul[0][0]')	(None, 256, 32)	8192	['tf.linalg.matmul
dropout_2 (Dropout) [0]')	(None, 256, 32)	0	['embedding[0]
dropout_3 (Dropout) [0]')	(None, 256, 32)	0	['embedding_1[0]
add (Add) [0]', [0]')	(None, 256, 32)	0	['dropout_2[0] 'dropout_3[0]
tf.compat.v1.shape_1 (TFOpLamb da)	(3,)	0	['add[0][0]']
tf.__operators__.getitem_1 (Sl hape_1[0][0]') icingOpLambda)	()	0	['tf.compat.v1.s
dense_3 (Dense)	(None, 256, 32)	1056	['add[0][0]']
tf.reshape_1 (TFOpLambda) [0]',	(None, None, 2, 16)	0	['dense_3[0] 'tf.__operators

__getitem_1[0][0]			['']
tf.compat.v1.transpose_1 (TFOp (None, 2, None, 16) 0 [0][0]') Lambda)			['tf.reshape_1
dense_2 (Dense)	(None, 256, 32)	1056	['add[0][0]']
tf.compat.v1.shape_2 (TFOpLamb (4,) 0 ranspose_1[0][0]') da)			['tf.compat.v1.t]
tf.reshape (TFOpLambda) (None, None, 2, 16) 0 [0]',			['dense_2[0]
__getitem_1[0][0]			'tf.__operators ']
tf.__operators__getitem_2 (Sl () 0 hape_2[0][0]') icingOpLambda)			['tf.compat.v1.s
tf.compat.v1.transpose (TFOpLa (None, 2, None, 16) 0 [0]') mbda)			['tf.reshape[0]
tf.cast (TFOpLambda) () 0 __getitem_2[0][0]			['tf.__operators ']
tf.linalg.matmul_1 (TFOpLambda (None, 2, None, Non 0 ranspose[0][0]'),) e) ranspose_1[0][0]'			['tf.compat.v1.t 'tf.compat.v1.t]
tf.math.sqrt (TFOpLambda) () 0 [0]']			['tf.cast[0]
dense_4 (Dense)	(None, 256, 32)	1056	['add[0][0]']
tf.math.truediv (TFOpLambda) (None, 2, None, Non 0 ul_1[0][0]'), e) [0][0]']			['tf.linalg.matm 'tf.math.sqrt
tf.reshape_2 (TFOpLambda) (None, None, 2, 16) 0 [0]',			['dense_4[0]
__getitem_1[0][0]			'tf.__operators ']
tf.nn.softmax (TFOpLambda) (None, 2, None, Non 0 v[0][0]') e)			['tf.math.truedi
tf.compat.v1.transpose_2 (TFOp (None, 2, None, 16) 0 [0][0]') Lambda)			['tf.reshape_2

tf.linalg.matmul_2 (TFOpLambda (None, 2, None, 16) 0 [0][0]',) ranspose_2[0][0]'			['tf.nn.softmax 'tf.compat.v1.t]
tf.compat.v1.transpose_3 (TFOp (None, None, 2, 16) 0 ul_2[0][0]'] Lambda)			['tf.linalg.matm
tf.compat.v1.shape_3 (TFOpLambda (4,) 0 ranspose_3[0][0]' da)			['tf.compat.v1.t]
tf.__operators__.getitem_3 (Sl () 0 hape_3[0][0]'] icingOpLambda)			['tf.compat.v1.s
tf.reshape_3 (TFOpLambda) (None, None, 32) 0 ranspose_3[0][0]'			['tf.compat.v1.t , 'tf.__operator 0]'], 'tf.__operators]']
dense_5 (Dense) (None, None, 32) 1056 [0][0]']			['tf.reshape_3
dropout (Dropout) (None, None, 32) 0 [0]']			['dense_5[0]
add_1 (Add) (None, 256, 32) 0 [0]']			['add[0][0]'], 'dropout[0]
layer_normalization (LayerNorm (None, 256, 32) 64 alization)			['add_1[0][0]']
sequential (Sequential) (None, 256, 32) 2112 ation[0][0]']			['layer_normaliz
dropout_1 (Dropout) (None, 256, 32) 0 [0]']			['sequential[0]
add_2 (Add) (None, 256, 32) 0 ation[0][0]'], [0]']			['layer_normaliz 'dropout_1[0]
layer_normalization_1 (LayerNo (None, 256, 32) 64 rmalization)			['add_2[0][0]']
global_average_pooling1d (Glob (None, 32) 0 ation_1[0][0]'] alAveragePooling1D)			['layer_normaliz
dense_6 (Dense) (None, 1024) 33792			['global_average

```

_pooling1d[0][0]'
]

batch_normalization (BatchNorm (None, 1024) 4096 ['dense_6[0]
[0]']
alization)

re_lu (ReLU) (None, 1024) 0 ['batch_normaliz
ation[0][0]']

dropout_4 (Dropout) (None, 1024) 0 ['re_lu[0][0]']

dense_7 (Dense) (None, 1) 1025 ['dropout_4[0]
[0]']

classification_head_1 (Activat (None, 1) 0 ['dense_7[0]
[0]']
ion)

=====
=====
Total params: 213,601
Trainable params: 211,553
Non-trainable params: 2,048

```

None

I used EarlyStopping to prevent overfitting the model.

Depending on the training data split, it is training between 14-25 epochs before stopping.

It is training for approximately 5-10 minutes.

With more training data, it will train longer and the length of time will grow non-linearly.

```

In [17]: %%time
callback = tf.keras.callbacks.EarlyStopping(monitor='loss', patience=5)
best_model.fit(x_train, y_train, epochs=100, batch_size=16, callbacks=[callback])

```

```

Epoch 1/100
14/14 [=====] - 5s 171ms/step - loss: 0.1935 - accuracy: 0.9213
Epoch 2/100
14/14 [=====] - 2s 168ms/step - loss: 0.1101 - accuracy: 0.9491
Epoch 3/100
14/14 [=====] - 2s 172ms/step - loss: 0.0692 - accuracy: 0.9630
Epoch 4/100
14/14 [=====] - 2s 149ms/step - loss: 0.0904 - accuracy: 0.9583
Epoch 5/100
14/14 [=====] - 2s 160ms/step - loss: 0.0914 - accuracy: 0.9630
Epoch 6/100
14/14 [=====] - 2s 160ms/step - loss: 0.0454 - accuracy: 0.9861
Epoch 7/100
14/14 [=====] - 2s 126ms/step - loss: 0.1174 - accuracy: 0.9444
Epoch 8/100
14/14 [=====] - 2s 138ms/step - loss: 0.0591 - accuracy: 0.9815
Epoch 9/100
14/14 [=====] - 2s 147ms/step - loss: 0.0771 - accuracy: 0.9722
Epoch 10/100
14/14 [=====] - 2s 136ms/step - loss: 0.0954 - accuracy: 0.9676
Epoch 11/100
14/14 [=====] - 2s 159ms/step - loss: 0.0306 - accuracy: 0.9907
Epoch 12/100
14/14 [=====] - 2s 127ms/step - loss: 0.0343 - accuracy: 0.9954
Epoch 13/100
14/14 [=====] - 2s 138ms/step - loss: 0.1368 - accuracy: 0.9537
Epoch 14/100
14/14 [=====] - 2s 137ms/step - loss: 0.0954 - accuracy: 0.9769
Epoch 15/100
14/14 [=====] - 1s 94ms/step - loss: 0.0514 - accuracy: 0.9769
Epoch 16/100
14/14 [=====] - 2s 159ms/step - loss: 0.0710 - accuracy: 0.9769
CPU times: user 22.8 s, sys: 1.85 s, total: 24.7 s
Wall time: 36.2 s

```

Out[17]: <keras.callbacks.History at 0x7f891e3dd8d0>

Evaluate the best model.

```
In [18]: print(best_model.evaluate(x_test, y_test))
```

```

3/3 [=====] - 0s 14ms/step - loss: 0.5996 - accuracy: 0.8194
[0.5996102094650269, 0.8194444179534912]

```

- Get the actual probability predictions so that I can use them to sort the results.
- Training the model can take a long time, however, once you have trained your model, using it to make predictions is commonly much less time.
- Here, I am predicting about 90 articles and it only takes about 1-6 seconds.
- Similar to training the model, if you have more training data that takes longer time to train your model and your end model is larger, prediction time will be longer. But still much shorter than training time.

```
In [19]: %%time
print(f'Predicting for {len(x_test)} articles.')
y_pred = best_model.predict(x_test)
```

```
Predicting for 72 articles.
3/3 [=====] - 0s 12ms/step
CPU times: user 242 ms, sys: 30.3 ms, total: 273 ms
Wall time: 283 ms
```

```
In [20]: best_model.metrics_names
```

```
Out[20]: ['loss', 'accuracy']
```

Sort the results by those most probable to be signals since this would likely be the scenario if machine learning is added to EIOS to help analysts.

```
In [21]: predicted = np.append(np.array([x_test]).T, y_pred, axis=1)
```

```
In [22]: predicted[predicted[:,1].argsort()[::-1]]
```

Out[22]: array([['MALARIA SUDANSOUTH SUDAN ABYEI INCREASE A ProMEDmail post lt ht
tp wwwpromedmailorg gt ProMEDmail program International Society Infectious D
iseases lt http wwwisidorg gt Date Mon 17 Oct 2022 Source Radio Tamazuj
edited lt https wwwradiotamazujorgennewsarticlemalarიაontheriseinabyei gt
Malaria cases increasing among children women disputed territory Abyei local h
ealth official said Kon Thon acting director general Abyei ministry health t
old Radio Tamazuj Monday 17 Oct 2022 floods contributed rise malaria cases
saying recorded 2572 cases month October 2022 mostly women children Flood
affecting health situation In general many people living floodwaters others
trying space stay Flood caused waterborne diseases pneumonia malaria leadin
g illness Kon Thon said Last week week 10 Oct 2022 Abyei Civil Hospital
recorded 1366 malaria cases Abyei PHCC Primary Health Care Centre 220 cases
Aganythok PHCU Primary Health Care Unit recorded 58 cases Awal recorded 139
malaria cases He added Bokchok Mobile Site recorded 119 cases malaria Gang
a Primary Healthcare Unit recorded 429 Awalnam Health Facility 145 cases Madi
ng Achuing PHCU 39 cases Mijak PHCU recorded 74 Nyinkuach1 PHCU 112 Nyinkuac
h2 PHCU 134 Rumamer Primary Healthcare Unit 149 cases The health official po
inted last shipment medicines received National Ministry Health finished OC
resident Abyei said Floodwaters area caused malaria cases people mosquito n
ets still nt sleep I feel unwell health facilities nt enough malarial drugs
Communicated ProMEDAFR Malaria lifethreatening illness caused Plasmodium par
asites transmitted people bites infected female Anopheles mosquitoes Malaria p
reventable curable Floods provide mosquito breeding sites vector control initi
atives country This area constant malaria outbreaks due floods availability in
fected mosquitoes 2 countries ModKJ ProMED map Abyei Area lt https promed
mailorgpromedpost place8706220801 gt ProMED map Abyei Area Sudan lt htt
ps promedmailorgpromedpost place8706220801 gt See Also Malaria Africa
vaccine Mosquirix prequalified WHO http promedmailorgpost202209088705450 Mal
aria Kenya Kwale ivermectin mass administration trial http promedmailorgp
ost202208138704982 Malaria Nigeria 05 new mosquito vector identified http
promedmailorgpost202207278704674 Malaria Kenya 02 Elgeyo Marakwet http p
romedmailorgpost202206228704010 Malaria Nigeria 04 RTS S vaccine http pro
medmailorgpost202205098703109 Malaria Nigeria 03 update http promedmailorg
post202204258702837 Malaria Nigeria 02 high prevalence http promedmailorgp
ost202204198702686 Malaria Nigeria burden http promedmailorgpost202204118702
526 Malaria Ghana Western relief camp http promedmailorgpost20220221870155
1 Malaria Botswana southern part http promedmailorgpost202202028701163 Malar
ia Kenya Kericho surge cases http promedmailorgpost202201168700908 2021 M
alaria South Africa Limpopo resurgence http promedmailorgpost2021111586996
58 Malaria Niger increase http promedmailorgpost202110148699017 Malaria Uga
nda artemisinin resistance http promedmailorgpost202109308698784 Malaria Afr
ica 02 RTS S vaccine WHO http promedmailorgpost202110078698893 Malaria U
ganda artemisinin resistance http promedmailorgpost202109308698784 Malaria A
frica RTS S vaccine pilot http promedmailorgpost ',
0.9997081160545349],

ياوندي 10 فبراير شباط رويترز قالت وزارة الصحة في الكامبيرون اليوم الجمعة إن السلطات قيدت الحرك'
ة على الحدود مع غينيا الاستوائية عقب عدة وفيات غامضة من حمى نزفية ذكرت الوزارة في بيان أن القيود فُرضت
ظرا لارتفاع مخاطر انتقال هذا الوباء إلى البلاد ومن أجل اكتشاف أي حالات والتعامل معها في مرحلة مبكرة. وأضافت أنه
يجري تحري الأمر وتم تعزيز الرقابة الوبائية بدعم من خبراء من منظمة الصحة العالمية ومركز أتلانتا لمكافحة الأمراض و
الوقاية منها وقالت غينيا الاستوائية في بيان يوم الأربعاء إنها سجلت حالة وبائية غريبة على مدى الأسابيع المنصرمة في م
نطقة نسوك نسومو ومنطقة كينيتيم تسببت في تسع وفيات وأصدرت وزارة الصحة الكامبيرونية بيانا أمس الخميس تقول فيه إنها
سجلت نحو 20 وفاة في قرى في منطقة كينيتيم بغينيا الاستوائية، وهي منطقة متاخمة للكامبيرون إعداد محمد أيسم للنشرة
العربية GPHINrelevance0968 '،
0.9996955394744873],

['MANICALAND recently recorded seven suspected cholera cases amid disea
se s current outbreak Malawi acting Provincial Medical Director Dr Munyaradzi
Mukuzunga revealedDr Mukuzunga said suspected cases turned cholera samples test
edHe said suspected cases previously reported Chiredzi BinduraTo prevent spread
disease Dr Mukuzunga said Ministry Health Child Care put place capacitated sur
veillance teams communities health facilities lookout diseaseHe said reporting

suspected cases proved surveillance teams task province able contain disease imported country Malawi Malawi reported several cholera cases deaths It one countries interact regularly We alert times comes disease This showed us teams terms surveillance really task We positioned equipment like testing kits strategic areas know high risks outbreaks disease saidHe encouraged people watch cholera symptoms visit nearest health facilities soon develop symptoms Diarrhoea one major symptoms cholera encouraging one report nearest health facility Cholera symptoms include watery diarrhoea frequent also associated vomiting causes rapid dehydration loss energy It best receive medical assistance urgently make salt sugar solution use oral rehydration fluids saidDr Mukuzunga encouraged rural areas engage village health workers orally rehydrating taking fluidsHe said cholera contracted eating food drinking water contaminated bacterium Vibrio cholera affect children adults causing severe diarrhoeaCholera kill within hours left untreatedMalawi suspended opening schools major cities Lilongwe Blantyre following deadly cholera outbreak killed 19 people New Year's Day aloneThe outbreak far killed 650 people country outbreak reported March last yearThe Africa Centres Disease Control says concerned rise cholera deaths Malawi attributes patients getting treatment timeGPHINrelevance0992 ',

0.999590933229065],

['Guinée équatoriale une fièvre hémorragique tue 20 personnes le Cameroun en état d'alertePublié le 10/02/2023 à 13h58 par Arnaud Nicolas MawelPartager20 personnes tuées par la fièvre hémorragique en Guinée équatoriale Frontière CamerounGuinée équatorialeLes autorités administratives et sanitaires disent avoir pris des dispositions et renforcé la surveillance épidémiologiqueSelon les autorités sanitaires du Cameroun il aurait eu 20 morts dans la journée du 08 février 2023 dans certains villages de la province Kie Ntem en Guinée équatoriale Le ministre camerounais de la Santé publique parle de plusieurs décès inexplicables survenus depuis quelques semaines Les villages guinéens concernés sont limitrophes des districts de santé Ambam KyeOssi et Olamze dans la région du Sud Cameroun « Toutes les victimes sont décédées dans un tableau de fièvre hémorragique » précise le ministre camerounais Manaouda MalachieAu regard du risque d'importation de la maladie sur le territoire camerounais les autorités prennent des mesures « Les autorités administratives ont restreint les mouvements à travers la frontière CamerounGuinée équatoriale » informe le ministre de la Santé publique Le membre du gouvernement ajoute que son ministère en collaboration avec les sectorielles et l'appui de l'OMS et de CDC Atlanta initié plusieurs actionsCe sont entre autres « la conduite des investigations sectorielles dans les zones à risque ... le renforcement de la surveillance épidémiologique la densification des activités de sensibilisation et de mobilisation communautaire » assure le Dr Manaouda Malachie Il invite le personnel soignant à notifier immédiatement et à isoler tout cas suspect en évitant de les déplacerAux populations des localités concernées le ministre de la Santé exhorte de contacter le 1510 face à « tout décès dans ces localités toute personne présentant une hémorragie de tout orifice naturel toute personne présentant une fatigue céphalées fièvre » Est aussi recommandé le respect stricte des mesures d'hygiène comme « se laver régulièrement les mains à l'eau propre coulante et au savon éviter le contact avec les fluides corporels des personnes malades compris les rapports sexuels non protégés éviter le contact avec les animaux sauvages malades ou trouvés morts laver les aliments et les consommer bien cuits et chauds » Le ministre invite les populations à ne pas s'alarmer face à la situation car le dispositif de surveillance et de riposte est en place et renforcéTags 20 morts ',

0.9995197057723999],

['La fièvre dengue gagne du terrain non seulement à Rodrigues mais aussi à Maurice Avec les premiers cas de cette infection virale causée par une piqûre de moustique infectée Aedesmoustiques tigres aux humains détectés à Rodrigues la propagation se fait sentir à Maurice Les statistiques épidémiologiques rendues publiques par le ministère de la Santé indiquent que depuis le 3 juin la situation s'est établie comme suitMaurice 33 cas dont quatre importésRodrigues 47 dont 33 ont été guérisÀ hier le ministère de la Santé confirme 22 cas acti

fs à Maurice et 14 à RodriguesÀ Maurice des patients de la fièvre dengue ont été identifiés à GrandBaie BeauBassin BaieduTombeau RocheBois PetitRaffray LeHochet PortLouis RicheTerre Pamplémousses SainteCroix Lalmatie L Escalier RivièredesCréoles Solitude Vacoas Goodlands et Troud EauDouceGPHINrelevance0981 ',

0.9993826150894165],

['Kyaddaaki eggwanga lya South Sudan litandise okukkiriza mmotoka z emmere enkalu okuli Obuwunga Omuwemba n engano ezaali zikwatiddwa ewaayo okudda kuno Mmotoka zino zaali zikwatiddwa nga South Sudan erumiriza nti emmere eyali eriko yali tetuukana na mutindo era ng erimu obutwa buyite aflatoxins Kitegee rekese nti emmere eri ku mmotoka zino yakusooka kwekebejjebwa abakungu mu kiton gole ky ebyomutindo ki UNBS okuzuula oba erimu obutwa oba nedda ',

0.9992485642433167],

['Une maladie mystérieuse fait 20 morts dans certains villages de la province de Kie Tem en Guinée équatoriale près de la frontière avec le CamerounDans un communiqué le Chef de district de santé Olamze dans la région du Sud du Cameroun informe les populations de son district et environs que 20 morts ont été signalés dans la journée du 8 février dans la province de Kie Tem en GuinéeÉquatoriale Les personnes exposées à cette maladie pour 1 heure non identifiée ont pour signes 1 hémorragie nasale fièvre douleur articulaire et autres signes qui conduisent à la mort au bout de quelques heuresL autorité sanitaire précise que la contamination se fait par contact direct avec un sujet infecté Il appelle donc les populations à la vigilance et les invite à signaler tout cas suspects au près des formations sanitaires les plus prochesLire le communiqué du Chef du District de santé OlamzeGPHINrelevance0915 ',

0.9991586208343506],

['JUBA March 8 Xinhua South Sudan declared outbreak cholera two samples confirmed positive protection civilians PoC site Malakal capital Upper Nile StateMinister Health Yolanda Awel Deng said ministry received alert suspected cholera outbreak Malakal Feb 22 multidisciplinary national rapid response team deployed conduct preliminary epidemiological investigation verification support initial response On Feb 22 Medecins Sans Frontieres Spain MSF Spain Malakal Upper Nile State received alert increasing cases acute watery diarrhea vomiting children aged one year Two samples collected tested positive cholera rapid diagnostic testing Awel told journalists South Sudanese capital Juba Tuesday eveningAwel said health personnel recorded 179 cumulative cholera cases one death since Feb 22 reported Malakal adding 59 percent cases male 41 percent female children four years affectedAwel said deployed additional multidisciplinary rapid response team comprising epidemiologist laboratory case management infection prevention control water sanitation hygiene risk communication community engagement conduct indepth investigation order determine magnitude risk factors associated outbreak well support scaling responseEnditemGPHINrelevance0994 ',

0.9991505146026611],

['The Department Health appealed calm National Institute Communicable Diseases detected two cases diphtheriaThe cases detected KwaZuluNatal Western CapeThe department said cases vaccine preventable urged parents ensure children protectedThe Department Health appealing calm National Institute Communicable Diseases NICD detected two cases diphtheriaThe department said NICD detected cases child Western Cape adult KwaZuluNatal last month The department said close contacts infected people risk getting sick The toxinproducing bacterium may lead difficulty breathing heart rhythm problems even deathThe symptoms include sore throat formation membrane tonsils throat swollen glands front neck The department also urged laboratories screen throat swabs diphtheria send positive cases Centre Respiratory Diseases Meningitis NICDGPHINrelevance0981 ',

0.998794436454773],

['South Africa measles outbreak tops 200 casesHome » Africa » South Africa measles outbreak tops 200 casesSouth Africa measles outbreak tops 200 casesNewsDesk bactiman63In followup measles outbreak South Africa National Institute Communicable Diseases NICD reports 227 cases laboratoryconfirmed measles ac

ross provinces December 17216 cases reported five provinces declared measles outbreak namely Limpopo 110 cases Mpumalanga 64 cases North West 27 cases Gauteng 10 cases Free State 5 cases Measles spreads person person breathing coughing sneezing Signs symptoms measles include rash high fever cough runny nose red watery eyes People spread measles 4 days 4 days rash Measles lead serious complications pneumonia even deathGPHINrelevance0691 ',
0.9987679123878479],

['Online Reporter At least four deaths 1 650 malaria cases recorded single week last month Weekly Diseases Surveillance report shows In statement Ministry Health Child Care said cases reported period October 17 23 According Weekly Diseases Surveillance report period 17 23 October Zimbabwe recorded 1 650 malaria cases four malaria deaths week Mashonaland East Mashonaland Central Provinces recorded highest number cases 658 457 respectively deaths Murewa District Guruve District Harare recorded two one one death respectively reads part statement Of reported cases 210 127 percent fiveyearold category Mean while 2022 cumulative cases malaria date stand 92 310 151 deaths ',
0.998547375202179],

['The National Institute Communicable Diseases NICD reported confirmed case human rabies Limpopo Province December 2022The case involved 8yearold boy Mbokota Village Makhado Municipality Vhembe DistrictHe admitted hospital fever confusion delirium trouble breathing hemiplegia On examination addition child oral ulcers thrush septic swelling lower lip swelling around eyes associated discharge discharge ears Signs mild cerebral edema notedA reverse transcriptionpolymerase chain reaction RTPCR detected rabies virus RNA antemortem saliva sample collected The details possible dogbite exposure still unknownAs 13 December 2022 total 13 laboratory confirmed human rabies cases reported South Africa These cases Eastern Cape n7 Limpopo n4 including case reported KwaZuluNatal n2 provinces A six probable cases identified ie clinically epidemiologically keeping diagnosis rabies without laboratory confirmation These cases reported Eastern Cape Province n5 KwaZuluNatal Province n1 GPHINrelevance0936 ',
0.9982650876045227],

['At least 20 people admitted Ruiru level 5 hospital Kiambu County symptoms cholera drinking contaminated water Christmas weekend Those hospitalized mainly Gatongora Murera Kiratina Prison area far two people reported succumbed dreaded disease Medical staff facility declined talk journalists relatives victims blamed outbreak contaminated water food Peter Mwaura resident Gatongora said problem began people area consumed water mixed sewage entered water taps December 23 2022 He accused local water company discharging raw sewage Ruiru river exposing thousands consumers downstream possibility contracting cholera At least one person died cholera far something must done urgently check spread We asking Governor Wamatangi intervene Mwaura statedMary Njuguni hails Gatongora said sister got sick drinking water neighbour developed diarrhoea vomiting She said charged Ksh5700 tests done hospital cover medicine buy chemistsRelatives escort sick woman wards Ruiru level 5 hospital PHOTOOliver Musembi Another patient 45yearold Ruth Nabari said eaten food roadside vendor Murera Kwa Tom area Sunday started exhibiting diarrhoea vomiting according son Japheth BwireSo far 29 people Theta Murera areas said recovered far disease according Murera ward MCA Moses Ngatha An unknown number admitted Gachororo health centre ',
0.9980071187019348],

['Did know dangerous predator planet nt shark lion croc hippo It s mosquito With summer around corner families making plans spend December holidays areas malaria occurs take look malaria protect children diseaseThe mosquito primary vector malaria serious sometimes fatal parasitic disease Mosquito populations mosquitoborne diseases increased globally result global warming climate changeWhile many South Africans unaware dangers malaria poses claims lives tens thousands people year When comes statistics malaria kills people cancer experts estimating malaria kills million people worldwide yearWhat exactly malaria Malaria mosquitoborne infectious disease humans animals caused protozoans type unicellular microorganism parasite The disease typically spread bite infe

ected female mosquito introduces organisms saliva person circulatory system The parasites mature reproduce liver entering bloodstream Malaria symptoms appear 10 15 days bitten include fevers headaches vomiting sweating cold shivers body aches Malaria cases sometimes misdiagnosed symptoms closely resemble common flu If left untreated infection lead coma death severe cases Which areas prone malaria Malaria primarily transmitted low altitude areas northeastern South Africa Mpumalanga including Kruger National Park northern KwaZulu Natal Maputala and eastern northern parts Limpopo among high risk areas Kosi Bay Sodwana Bay medium risk areas North West Province Northern Cape low risk Malaria transmission occurs seasonally South Africa Malaria dangers babies young children pregnant women Malaria kills estimated 3 000 African children age five every day However exact number deaths unknown data unavailable many rural areas many cases undocumented Pregnant women especially vulnerable malaria pregnancy lowers woman immunity malaria making susceptible infection Malaria also blame stillbirth preterm birth low birth weight babies Malaria Prevention There ABCD malaria prevention Awareness Bite prevention Chemoprophylaxis taking antimalarial medication exactly prescribed prompt Diagnosis treatment Disease transmission reduced using mosquito nets insect repellents prevent mosquito bites using mosquito control measures spraying insecticides draining standing water Despite need effective vaccine though efforts develop one ongoing Malaria prevention medications available travellers malaria endemic countries Antimalarial medications available suffering disease How prevent malaria Prevention better cure simple precautions help protect family malaria Make doctor appointment six weeks travelling malaria infested areas take prescribed antimalaria medication When outdoors mosquito infested areas wear protective clothing long sleeves pants use mosquito nets beds Nets lightweight tightly woven extremely effective keeping mosquitoes away tent bed night ',

0.9979523420333862],

['Source South Africa News Agency Limpopo recorded 14 new laboratory confirmed measles cases province two subdistricts 8 9 November 2022 National Institute Communicable Diseases NICD reported Thursday This brings number laboratory confirmed measles outbreak 35 infections This comes NICD declared measles outbreak three cases two healthcare facilities reported district October The laboratory confirmed measles cases Greater Sekhukhune District remain 16 cases Mopani District gone 19 According NICD measles infections reported Mopani District found Greater Giyani BaPhalaborwa GaKgapanne districts Epidemiological investigations linked two measles cases Greater Sekhukhune involves father child NICD said In Mopani BaPhalaborwa two siblings measles infection contact laboratory confirmed cases Greater Sekhukhune Greater Giyani travelled family funeral While two cases reported Vhembe District NICD said cases links outbreak associated cases These cases considered sporadic included outbreak tally Data shows infections identified 19 males 16 females age six months 24 years Greater Sekhukhune two 42 years Mopani There increasing number measles cases ages five nine years Mopani Two children admitted hospital However deaths complications measles reported Affected districts according institute continuing public health response activities tracing suspected measles cases vaccinating contacts A measles vaccination catchup dose given health facilities children missed measles vaccination increase immunity community Measles patients present fever rash one symptoms cough red eyes runny nose Complications measles include pneumonia diarrhoea dehydration encephalitis blindness death Measles complications severe malnourished children young infants two years age People age unvaccinated contract measles develop disease Clinicians caregivers alert anyone presenting symptoms signs check children road to health booklets ensure measles vaccinations date Measles vaccines given routinely ages six 12 months It never late vaccinate measles - SAnews.gov.za ',

0.9969933032989502],

['Health Measles cases SA rising daily Since October 1 297 cases confirmed Complications include diarrhoea dehydration blindness brain infection death Of 297 less third vaccination record Of record 61 measles vaccine Complications serious infants children malnourished said NICD The worst affected age

group 59 years 118 cases 41 followed 14 years 28 10to14 years 15 The worsthit Limpopo 128 cases Others North West Gauteng Mpumalanga Free StateMeasles highly contagious disease caused virus Patients present fever rash small red flat spots They form blisters itchy painful Other signs include cough red eyes running nose said NICDPvention control vaccination It never late vaccinate – free charge primary health services TimesLIVEGPHINrelevance0969 ',

0.9968817234039307],

['https://en.wikipedia.org/wiki/Tshopo Translation GoogleA disease unknown origin kills 13 children aged zero two YakusuCMARCH 21 2023 HEALTHKisangani March 21 2023 ACP Thirteen 13 children aged zero 2 years died following disease yet unknown origin rural area Yakusu Yasekwe village Yawenda groupement 61 km city Kisangani province Tshopo North East DRC learned ACP Tuesday local sources I experienced situation I assisted bereavement child one year eight months Before child already 8 others died illness unknown origin testifies CT Jean Pierre LitwangaHe added information possession informs died cough fever die Yangilimo village already recorded 9 deaths Yaoseko village 4 deaths One notables region Jean Mwanakoy launched cry alarm Being native I send message Ministry Public Health one departments health zone Yakusu dispatch team ground unearth eating away community Turumbu ACPKayuhttps://acpcongo.com/index.php/2023/ansayakusu ',

0.9967418313026428],

['16 May 2023 CAJ News ADANE BIKILA Addis Ababa Ethiopia Ethiopia Bureau ADDIS ABABA CAJ News FLOODS left 45 people dead Ethiopia East Africa bears brunt climate changeMore 35 000 households displaced 23 000 livestock perished 99 000 hectares farmland destroyed Somali region aloneFloods caused widespread destruction displacement Afar Oromia Somali Southern Nations Nationalities Peoples well South West Ethiopia Peoples regionsThe flooding deepened vulnerability populations whose resilience already highly affected impact prolonged drought 2020 areas affected flooding drought overlap The floods also exacerbated health risks including cholera said spokesperson United Nations Office Coordination Humanitarian Affairs UNOCHA Cholera claimed lives 94 people since outbreak began August last yearThis rated longest cholera outbreak spreading unabatedMeanwhile measles outbreak droughtaffected areas rising malaria cases flood affected areas additional health risks challenging overstretched health responseThe short rainy season February April come double edged swordWhile improving drought conditions terms agricultural activities availability water supply humans livestock pastures also caused loss life livelihoods destruction homes schools health facilities thousands farms crops washed away increased health risks contamination water sources The floods also disrupted children's education forced stay school UN humanitarian spokesperson stated CAJ NewsGPHINrelevance0866 ',

0.9965735673904419],

['Deceased Rigan Islam 35 son Ulal Miah hailed Shreenaddi village Kabirhat upazila Noakhali districtFahim Mahmud brother victim said brother went South Africa 2009 My brother got car 900pm front shop Botshabelo town buying products shop The terrorists took position earlier opened fire brother leaving dead spot addedBatiya union parishad chairman Jasim Uddin said pall gloom descended village hearing death newsFamily members victim sought government help bring back body country said ',

0.9961733222007751],

['Thirteen individuals tragically lost lives within threeday period four others currently critical condition consuming suspected poisonous food Namibia According local media affected individuals part household consisting 22 people Kayova village situated northeastern region Kavango The majority deceased children reportedly dire need nourishmentThe health ministry cited state broadcaster NBC revealed family consumed porridge prepared pearl millet flour fermented sediment derived homemade beverage In response devastating incident ministry swiftly dispatched team professionals offer psychological support counselling grieving family Additionally samples porridge sent South Africa testing a

iming determine presence food poisoning The authorities actively investigating incident affected family receiving comprehensive assistance cope heartwrenching situation ',

0.9957633018493652],

['Samples suspected toxic meal reportedly sent South Africa testing attempt establish rule food poisoningThirteen people 22member household died Namibia eating suspected poisonous food local media reported Four others said critical condition following incident occurred threeday period Kayova village located northeastern region KavangoThe health ministry according state broadcaster NBC said members family children fell severely ill Saturday consuming porridge made pearl millet flour plus additive homemade beverageAuthorities dispatched team professionals provide psychological support counseling grieving family samples porridge reportedly sent South Africa testing determine contaminatedOfficials ministry also educate community members food preparation emphasizing dangers mixing food potentially polluted substancesThe Namibian outlet quoted country first lady Monica Geingos saying Tuesday devastated loss left deep reflection fragility life importance community care kindness READ MORE Zimbabwe summons US envoy alleged meddling I speak unison many Namibians expressing heartfelt condolences Godfried Shishugho Kangungu entire Kangungu family period unspeakable grief stated reported NamibianThe first lady also said office willing provide psychosocial support trauma debriefs bereaved family community members frontline respondersGPHINrelevance0815 ',

0.9951736330986023],

['PLAGUE DEMOCRATIC REPUBLIC OF CONGO 02 ITURI A ProMEDmail post lt <http://www.promedmail.org> gt ProMEDmail program International Society Infectious Diseases lt <http://www.isid.org> gt Date Wed 14 Jun 2023 From Pascal Adroba lt pascaladroba2017@gmail.com gt edited Since January 2022 Rethy health zone bubonic plague hotspot continental Africa located Djugu territory Ituri province DR Congo kept reporting suspect cases bubonic plague Some laboratory confirmed INRB laboratory following RDT positive field In 2022 total 624 suspected cases plague mostly bubonic 616 cases notified Rethy health zone alone 12 deaths case fatality rate 19 Since beginning 2023 29 cases already notified 4 deaths To date affected health areas Lokpa AS 77 cases followed Uketha AS 122 Rassia AS 67 Moreover 18 cases also reported periphery major commercial hub area city Kpandroma 29 As local health authorities fear expansion towards Kpandroma trading center population density one highest region including internally displaced persons daily truck movement bringing supplies chief town province Bunia This poses additional threat region The average number cases notified per week 15 week 24 1218 Jun 53 cases notified 2022 The Logo health zone adjacent Rethy health zone reported 3 cases since 24 May 2023 last notification disease area dates back 10 years ago This occurred Alagi health area Frequent rat dieoffs reported 2022 also 2023 Another important development reemergence plague Aru health zone sporadic cases 2022 3 cases 2 2023 along border less active Uganda West Nile plague focus Malteser International provided support spraying households deltamethrin prevent infected fleas bite humans transmit etiological agent disease Yersinia pestis A new plague laboratory currently built Bunia giving hopes future indepth research aiming understanding endemicity plague region century factors triggering reemergence spread region 21st century communicated Dr Pascal Adroba Plague Surveillance Control Center CSLP Bunia DRC lt pascaladroba2017@gmail.com gt Dr Anne Laudisoit Ecohealth Alliance NY USA lt laudisoit@ecohealthalliance.org gt ProMED thanks Drs Adroba Laudisoit continued contributions ',

0.995086133480072],

['Malawi struggling contain one worst cholera outbreaks years It spread nationwide killing 250 people infecting 8000 Authorities aid groups stepped cholera vaccination hygiene campaigns Lameck Masina reports Blantyre Malawi ',

0.9947426319122314],

['BUSHUSHU Democratic Republic Congo Reuters Humanitarian workers recovered least 72 bodies village east Democratic Republic Congo hit flooding Thur

sday Reuters reporter scene said Friday Torrential rain fell Congo South Kivu province caused river overflow led significant damage loss life villages Bushushu Nyamukubi provincial government said statement Thursday without providing death toll A Reuters reporter Bushushu saw humanitarian workers recovering bodies debris Friday counted least 72 bodies many women children Local administrator Thomas Bakenga said Thursday night least 17 people killed floods around 40 people missing Reporting Crispin KyalaWriting Sofia ChristensenEditing Alexander Winning ',

0.994218111038208],

['MoetiTshidi MinofHealthUG Since outbreak Uganda first declared 20 September Sudan ebolavirus detected ninth district one large urban population - Dr MoetiTshidiGPHINrelevance0697 ',

0.9928464293479919],

['Translation GoogleHautLomami 3 people die unknown illness MulongoPublished Thu 27102022 1139 ',

0.9925680160522461],

['Nine members public suspected food poisoning eating restaurant Mong Kok last week The Centre Health Protection said nine people including four men five women aged 26 36 went restaurant Cha Chat □ Lan Street Mong Kok Friday eaten risotto containing softshell crab Each person developed abdominal pain diarrhoea dizziness fever weakness within 18 26 hours Five patients sought medical attention one admitted hospital patients stable condition Centre Protection investigating incidentThe Centre Health Protection reminds deceased prevent foodborne diseases members public maintain personal food environmental hygiene regular basis When eating following points noted patronizing reliable licensed restaurants Avoid eating raw seafood Choose cold cuts carefully including sashimi sushi sanghao buffet When eating hot pot grilling make sure food thoroughly cooked eating During cooking process handle raw cooked food carefully thoroughly Use two sets chopsticks utensils handle raw cooked food separately Do not patronize unlicensed food stalls drinking boiled water Do try sterilize salt vinegar wine Japanese wasabi none bactericidal effect andWash hands eating using toiletGPHINrelevance0912 ',

0.9925342798233032],

['The Rwandan embassy United Arab Emirates UAE Wednesday dismissed recent media reports claiming gulf state issued visa ban Rwandan citizens The embassy said twitter account adding citizens Rwanda continue enjoy categories UAE visas including visit visa This notice comes several media reports claimed Rwanda part 20 African countries blacklisted acquiring UAE visas The embassy seized occasion advise Rwandans UAE new visa reforms officially launched October 3 communique said In new reforms Rwandans like nationalities applying visit visa requested comply new measures providing proof hotel booking duration stay valid return onward ticket Also invitation letter host along address phone number copy ID passport host UAE sufficient funds minimum 5000 UAE dirham preferably cash card also requirements Since establishment diplomatic ties UAE Rwanda 1995 two nations fostered strong exceptional partnership continued grow prosper CUasAPA ',

0.9922279715538025],

['The National Institute Communicable Diseases recorded 99 measles cases Limpopo Mpumalanga September 1 November 30GPHINrelevance0657 ',

0.9914664030075073],

['By Nyasha Kunyiswa THE Harare City Council HCC says high alert possible cholera outbreak following reports ',

0.9913327097892761],

['Kigali May 3 UrduPoint Pakistan Point News 3rd May 2023 At least 109 people died flooding northern western staterun Rwanda Broadcasting Agency RBA said quoting figures local authorities The rain fell last night caused disaster Northern Western Provinces RBA said website It said 95 people perished hardest hit Western Province another 14 Northern Province adding floodwaters swept away homes infrastructure led closures ',

0.9911664128303528],

['Nairobi county high alert reports possible cholera outbreak neighbouring Kiambu county The Health ministry Thursday said reports received tests ongoing confirm whether outbreak We waiting see whether indeed outbreak outcome tests This information happening shall know soon Health CAS Rashid Aman said He said ministry ready work counties able arrest situation tests confirm outbreak Right notified Kiambu waiting ministry health confirmations former director health services NMS Ouma Oluga said As tackling issues threat cholera Nairobi 2018 outbreaks cholera added Cholera acute diarrheal illness caused infection intestine Vibrio cholerae bacteria Symptoms early stages infection include profuse watery diarrhea vomiting rapid heart rate loss skin elasticity dry mucous membranes low blood pressure thirst muscle cramps restlessness irritability The infection often mild without symptoms sometimes severe life threatening The ministry May announced outbreak cholera Nairobi Kamukunji region Cholera outbreaks attributed failure Kenyans adhere simple hygienic measures hand washing People get sick swallow food water contaminated cholera bacteria WaterKiosk Managing Director Samuel Kinyanjui explains solar water desalination plant installed Kibera Level 3 hospital works October 13 2022 Image MAGDALENE SAYA The health officers spoke Kibera launch water desalination plant Kibera Level 3 hospital The plant among 28 solar water desalination plants installed various hospitals across country WaterKiosk young Nairobi based company partnership DEG Boreal Light The solar water desalination machines installed facilities varying 2000 liters 10000 liters per hour bigger hospitals supply facilities enough hygiene water use Apart health facilities facing challenge accessing clean water renal unit patients challenges WaterKiosk managing director Samuel Kinyanjui said Family members bring water inconveniencing also painful sad Now hospitals benefiting desalination machines free charge patience accessing water absolute cost added The solar desalination systems powered 450kw require chemicals treat water Further 28 solar water desalination plants sterilise waste water coming different departments prior disposal environment together offset 10000 ton CO2 emission annually great role model climate mitigation practices Africa ',

0.990472674369812],

['Translation Google Madagascar Epidemic Plague spreads Ambositra APRIL 6 2023 Madagascar Express Antananarivo By Miangaly Ralitera The plague outbreak remains active Amoron Mania region The authorities embarking major awareness campaign prevention disease The instructions strict district Ambositra All quarters must cleaned The plague spreading Amoron Mania region since March Amoron Mania plague hotbed There cases plague almost every year To prevent eliminate disease mobilizing citizens cleanliness announced governor Amoron Mania region Haingo Nambinina yesterday Data outbreak available Ministry Public Health It deputy Ambositra Simon Nomenjanahary Fandrava reports us two deaths whose dates death go back three weeks two patients treatment date Saturday However sources already announced three plague related deaths Ambositra March 21 Another source says two confirmed deaths eight patients shown symptoms disease since upsurge cases A case suspicious death would occurred last week according sources What certain plague circulates Ambositra It would epidemic bubonic plague Disinfection operations Local authorities organizing cut chain transmission We carried disinfection operations neighborhoods suspected cases Citizens made aware fight rats fleas transmit disease humans continues Haingo Nambinina The authorities going stop raising awareness According source carry raids inspect neighborhood Those responsible slums punished As risk transporting disease regions measures taken bus stations If sick people travel public transport invited join health centers underlines governor In previous epidemics <https://frallafricacomstories202304060328.html> ',

0.9904138445854187],

['Limpopo boy diagnosed rabies still unclear whether dog bit ',

0.9892693161964417],

[' The resumption flights enable families reunite facilitate restoration commercial activities stimulate tourist flow bring many opportunities serve society Ethiopian Airlines CEO Mesfin Tasew said The air carrier operate dai

ly flights Ethiopian capital Addis Ababa Tigray s Mekele increase frequency depending demand The restoration air connections two cities comes day highranking Ethiopian delegation came Mekele first time since conflict began A Tigrayan official said agreed resume services region largely without phone coverage limited internet connection banking Ethiopian Prime Minister Abiy Ahmed sent troops rebellious northern region November 2020 accusing Tigray People s Liberation Front TPLF attacking government s army bases Thousands killed millions displaced fighting ',

0.9891933798789978],

['Bad weather lead outbreaks diseases potential epidemics disruptions caring chronically ill according World Health Organization WHO declared state emergency floodhit Chad Heavy rains annual flooding Chari Logone rivers caused inundations severely affect population All 18 Chad 23 provinces affected floods forcing many leave homes This situation likely cause numerous illnesses potential epidemics may result breakdown caring chronically ill The World Health Organization therefore provided Ministry Health essential drug kits treatment certain endemic diseases Chad The kits include essential medicines 1000 people three months 100 malaria kits treat 3000 people three months two cholera kits treat least 200 cases cholera In capital Ndjamena district city submerged water nearly 100000 people collective reception centers identified national authorities according report UN Office Coordination Humanitarian Affairs OCHA The WHO coordinating interventions different partners Chadian health cluster rational management resources management primary health care reproductive health genderbased violence mental health emergency medical care disaster victims Under leadership WHO incident manager Chad health emergency team three epidemiologists information manager formed support cluster strengthen prevention response measures possible epidemics Surveillance chronic diseases also remains priority alert issued HIV tuberculosis programs ensure continuity services availability antituberculosis drugs ARVs disaster camps Medical consultations also conducted daily camps actors health cluster Premier Urgence ALIMA Medecin Sans Frontiere According Medical Officer Medecin Sans Frontiere Dr Patrick Tambwe nearly 120 consultations made per day recurrent diseases consultations malaria respiratory acute infections diarrhea occasionally skin infections The patients benefit ambulatory treatment free medicines In ten days activities eleven patients average critical situation referred Peace Hospital Ndjamena benefit adequate care For Dr Patrick permanent exchange platform provided WHO health cluster allows different actors discuss find solutions certain challenges emergency situation TefssasAPA ',

0.9876518249511719],

['Faculty schools say working local state officials closed rest week The school following protocols guidance state epidemiologist One South Stanly Middle School parent said son diagnosed flu weekend return school week I glad schools closed parent Kimberly Huntley said I heard many kids teachers sick We several family members throughout two schools sick well closing schools helps stop spread illnesses I it School officials confirmed respiratory illnesses flu RSV READ ALSO Aquadale Fall Fest postponed new date coming soon Students learn remotely timeTeachers access student work Oct 26 27 school remain closed Oct 28 31 according district officials The school buses cleaned time Students return Nov 1 WBTV reached Cabarrus County UCPS Gaston County Iredell Statesville Schools Charlotte Mecklenburg Schools see also experiencing high numbers absences respiratory illnesses Respiratory illnesses reportable therefore way determine absences directly related illness At time seeing significant amount absences UCPS We experiencing situation Stanly County We contact health department new information report time spokesperson UCPS said statement Iredell Statesville Schools says seen rise respiratory illnesses including flu RSV No ISS schools remote time In elementary schools seen spike recently respiratory illnesses There numerous cases RSV reported chosen go doctor There equal number showing respiratory symptoms diagnosed doctor Additionally nurses seen rise flu cases fall allergies also prevalent spokesperson ISS said statement CMS Cabarrus County Schools reported high numbers absences respirator

y illnesses ',

0.9870337247848511],

[' ', 0.9868677854537964],

['SITUATION OVERVIEW As 8 November 2022 worst flooding years affected 59 million people 20 countries West Central Africa Heavy rains floods continue d take significant toll human life property farmlands livestock killing 113 2 people injuring 4005 displacing 18 million Nigeria Chad Niger Republic Congo Democratic Republic Congo Cameroon Central African Republic Liberia etc severely impacted torrential rains floods Some 458000 houses totally partially destroyed region In Gulf Guinea Benin severely affected rains floods throughout September leading death 41 people destruction 700 houses Three people went missing due floods 73000 people affected As 9 September 2022 flooding affected 14 million people 19 countries West Central Africa many regions recording excess rainfalls Shocks extreme weather events continued September October increasingly pushing vulnerable families deep crisis Many affected regions already struggling high levels food insecurity malnutrition instability violence In addition floods impacted hygiene sanitation increased incidence water borne diseases National local authorities leading response including Civil Protection Disaster Management Agencies national Red Cross societies nongovernmental organizations well communitybased organizations Humanitarian agencies supporting national authorities responding acute needs vulnerable displaced people helping communities bounce back faster Disclaimer ',

0.9867124557495117],

['Image SABC News The department Home AffairsThe Department Home Affairs announced extend operating hours certain offices two hours starting today Details offices available online The department says increased number people applying smart card IDs well passportsThe new operating hours eight morning 5h30 afternoon department offices Spokesperson Home Affairs Department Siya Qoza says It every single Home Affairs office ones able accept deliver smart ID cards passports We think linked period schooling schools closed We think lot families undertake international trips got relatives neighbouring countries would want go visit We list home affairs offices benefiting go website Statement The Department Home Affairs temporarily extends operating times two hours meet growing demands services office <https://t.co/5kmPSQIZR> – HomeAffairsSA HomeAffairsSA ',

0.9856430888175964],

['The soldiers showed exceptional determination face large number enemies They managed neutralize least 40 terrorists reinforcements arrived Unfortunately 33 soldiers killed another 12 wounded military said communique Burkina Faso located Sahel region Africa fighting groups radical jihadists since In April 2023 Burkinabe authorities declared general mobilization combat string attacks ',

0.982913076877594],

['Guinean President Professor Alpha Conde says isolation Manor River Union countries due Ebola hot measure affected countries economies He urged member states common understanding meeting international community Ahead twoday technical ministerial meeting slated February 13 14 2015 Guinean capital Conakry focus harmonizing Union recovery Ebola MRU chair expressed hope Liberia Guinea Sierra Leone come epidemic four cases left Liberian ETUs time visit During joint press stake President Sirleaf Foyer Ministry Foreign Affairs Monrovia President Conde spoke interpreter called united effort battling Ebola adding united voice We stronger Earlier speaking President Sirleaf recalled bond of friendship Liberia Guinea last years grown stronger working together African Union also ECOWAS Mano River UnionShe thanked Guinean counterpart President Alpha Conde encouraging government Ebola fight able represent affected countries different international forums mobilizing support presenting cases The Liberian leader said looked forward working President Conde people Guinea countries strive achieving common objective lives respective peoples ',

0.9817196726799011],

['It s format already used Northern Territory Western Australian communi

ties followed suit process new identification cards underway Dampier Peninsula communities Beagle Bay Djarindjin Ardyaloon north Broome A recordbreaking flood Fitzroy Crossing six months ago destroyed residents identification revealed number Indigenous people registered birth Broome Circle financial counsellor Veronica Johnson said new community ID cards would starting point people not identification Ms Johnson said primary purpose card verify people financial services replacement traditional identification We're working banks exactly want card look also parameters done cards said Mr McIvor said able sign cards chief executive would especially beneficial elderly teenagers enter workforce I think one way Djarindjin able take control space help community people able go get job get licence sorts things said Banks getting board An Australian Banking Association spokesperson said time spent Kimberley part banking roundtable in valuable work practical solutions support remote First Nations banking customers The forum helped shine light lack traditional identification driver licences many remote First Nations communities impact accessing banking services said Banks supported ABA working finding solutions Veronica including greater acceptance nontraditional forms identification including First Nations community ID cards banks Loading ',

0.9761669635772705],

['Screengrab man helping young pupils cross river throwing another man across water Free State The Free State Department Education temporarily closed two primary schools Bloemfontein due flooding heavy rains Caleb Motshabi Sedibeng Sa Thuto Primary School severely affected level 4 disruptive rains led flooding across lowlying areas roads informal settlements The department spokesperson Howard Ndaba said took decision conditions disruptive learning Parents caregivers advised send children school tomorrow advised school management bring The department monitor weather patterns give advice regard said Ndaba Pupils crossing flooded rivers Strong flooding caused huge disruption continues impact negatively teaching learning schools remains threat lives 2 000 pupils well teachers Ndaba added The department also thanked teachers support stuff despite severe rain reported work READ MORE Emergency services high alert big storms hit Gauteng Many pupils cross rivers slippery roads get schools WATCH Man helps pupils cross river In video man seen helping small pupils cross river throwing man standing side Video Supplied Disruptive rain The South African Weather Service SAWS issued warning Monday said storms flooding damaging winds hit many provinces country Cutoff low expected situated western parts country bringing significant rain central parts become disruptive systems move There also risk hail period said weather service Monday NOW READ ',

0.975051760673523],

['MEDIA STATEMENT To Editors and Health Journalists Issued Department of Health Date Thursday 18 May 2023 Minister Phaahla calls vigilance SA detects Diphtheria cases Pretoria The Minister of Health Dr Joe Phaahla calling vigilance public panic country records two positive cases Diphtheria disease The National Institute Communicable Diseases NICD Division National Health Laboratory Service NHLS alerted department two laboratory confirmed cases diphtheria disease detected April 2023 The first case adult KwaZulu Natal second case Western Cape child Diphtheria uncommon vaccine preventable serious infection caused toxin producing bacterium called Corynebacterium diphtheria The toxin may lead difficulty breathing heart rhythm problems even death The bacteria spreads person person usually respiratory droplets coughing sneezing The symptoms diphtheria include sore throat formation membrane tonsil throat swollen glands front neck Close contacts known cases increased risk infection Routine diphtheria vaccination part childhood vaccine programme parents encouraged get children vaccinated The vaccine given children part routine vaccines first year life Booster doses age 6 12 years also given Catch vaccination possible doses missed Diphtheria antitoxin short supply globally World Health Organization working secure additional supplies antitoxin Treatment absence antitoxin appropriate antibiotics supportive care These cases reminder drop vaccine coverage may lead cases All parents urged make sure children date routine vaccines Children date vaccines taken nearest clinic vaccination Clinicians including prim

any health care nurses throughout country urged high index suspicion diphtheria
a notify suspected cases send specimens laboratory testing Laboratories encouraged
screen throat swabs diphtheria send confirmed cases Centre Respiratory Diseases
Meningitis National Institute Communicable Disease NICD For technical enquiries
please contact Professor Cheryl Cohen Head Centre Respiratory Diseases Meningitis
National Institute Communicable Diseases Media nicdacza Sinenhlahla Jimoh 0826099514
For media enquiries please contact Mr Foster Mohale Health Departmental Spokesperson
0724323792 Foster Mohale healthgovza Mr Doctor Tshwale Spokesperson Health Minister
063 657 8487 Doctor Tshwale healthgovza',

0.9714862704277039],

['A UK hospital reportedly lockdown potentially deadly Ebola case detected
A possible case deadly virus investigated health officials UK patient presented
concerning symptoms Colchester Hospital Essex forced close department overnight
staff could deal infection control issue reportsThe patient believed reported concerns
developing viral symptoms revealing recent travel history The NHS says Ebola virus
disease serious viral infection originated subSaharan Africa No one caught Ebola
someone else UK A source revealed hospital urgent treatment centre lockdown result
scare Officials UK Health Security Agency told publication routine test unwell
returning travellers variety infectious diseases The patient reportedly tested viral
haemorrhagic fevers results expected coming days Dr Meera Chand UKHSA director
clinical emerging infection said Individuals travelled recently report illness
routinely assessed NHS clinicians variety infectious diseases Ebola symptoms include
fever fatigue muscle pain headache sore throat vomiting diarrhoea rash cases
bleeding gums blood stools according World Health Organization A spokeswoman
East Suffolk North Essex NHS Foundation Trust runs Colchester Hospital said 24hour
urgent treatment centre fully reopened 7am today Thank patients staff support
afternoon temporarily close area urgent care centre deal infection control issue
said Thank taking time read article remember come back check The Euro Weekly News
website uptodate local international news stories remember also follow us',

0.9650599360466003],

['An area Colchester Hospital Essex locked overnight staff deal infection control
problem Ebola rare serious often fatal disease humans – fatality rates ranged 25
90 percent previous outbreaks Credit Getty It understood patient raised concerns
developing viral symptoms disclosing recent travel historyUganda currently grip Ebola
virus outbreak caused 141 cases 55 deaths since September 20 A source told The Sun
emergency treatment center Essex Hospital closed result panic Officials UK Health
Security Agency said routine test sick returning travelers variety infectious diseases
The patient examined number viral hemorrhagic fevers results expected coming days
Dr Meera Chand UKHSA Director Clinical Emerging Infections said Individuals recently
traveled report illness routinely assessed NHS doctors variety infectious diseases
Last month outbreak Uganda UK Health Security Agency UKHSA called doctors high alert
patients showing signs virus average fatality rate 50 per cent Symptoms include
fever fatigue muscle aches headache sore throat vomiting diarrhea rash cases
bleeding gums blood stool according World Health Organization At time warning
health officials said risk public extremely low A spokeswoman East Suffolk North
Essex NHS Foundation Trust runs Colchester Hospital said 24hour urgent treatment
center fully reopened 7am today Thank patients staff support afternoon temporarily
close area \u200bthe Urgent Care Center deal infection control issue said There never
case Ebola UK 2014 two patients contracted virus treated West Africa Both recovered
treatment specialist infectious disease units located Royal Free London Royal Victoria
Hospital Newcastle Rare fatal Ebola rare serious often fatal disease humans –
fatality rates ranged 25 90 percent previous outbreaks It transmitted humans wild
animals spread contact infected body fluids including blood feces semen vomit The
Ebola virus first identified 1976 two outbreaks one Nzara South Sudan Yambuko
Democratic Republic Congo Zaire The 2014 outbreak West Africa largest since 1976
originating Guinea March 2014 spreading across land borders Sierra Leone Liberia C

ases recorded Nigeria United States United Kingdom Spain Italy There 28616 suspected probable confirmed cases Guinea Sierra Leone Liberia 11310 deaths Ebola virus disease formerly called Ebola hemorrhagic fever viral infection occurs humans primates ',

0.9505667686462402],

['Two Kenya Defense Forces KDF soldiers killed operation General Service Unit GSU team whose vehicle earlier ran improvised explosive device IED Mlima Faru Witu Pandanguo road Lamu County Sunday Several GSU officers operating multiagency security Operation Amani Boni OAB patrol general areas Mlima Faru drove IED suspected planted road AlShabaab militants around 930 am Confirming incident Nation Africa military Chief Strategic Communications Brigadier Zipporah Kioko said KDF troops stationed area responded moving swiftly secure area recover wounded Regrettably recovery operation two KDF personnel fatally wounded followon ambush said Brigadier Kioko During earlier GSU attack within Mlima Faru fatalities reported officers travelling Mine Resistant Ambush Protected Vehicle MRAP Following Sunday incident security officers deployed within Pandanguo environs search attackers Mlima Faru emerged targeted notorious terrorist attack scene Lamu recent years Apart Sunday twin attacks Mlima Faru similar terrorist incidents witnessed place December 29th 30th last year police officer injured KDF soldier killed four others injured vehicles ran IEDs respectively The Sunday twin attacks also come fourth night Interior Cabinet Secretary Kithure Kindiki visited Lamu threeday tour assess security situation region During CS Kindiki visit Lamu last week assured Lamu residents Kenyans large safety guaranteed He said government fight end AlShabaab menace country He also took time condole eight security officers died recent AlShabaab attack Lamu Garissa border ',

0.9470258355140686],

['Rwanda FDA checked import system confirmed incriminated products cough syrup called NATURCOLD manufactured Fraken India never entered Rwandan market ',

0.943621814250946],

['He listed benefits include CNG LPG generally cheaper petrol offering potential cost savings long term These fuels cleaner contaminate air much petrol diesel Natural gas LPG often abundant domestically sourced certain regions compared petrol This provide greater fuel availability independence fluctuations petrol prices supply disruptions CNG LPG combustion generally produce less noise compared petrol This results quieter generator operation beneficial residential use minimize noise pollution He declared Lagos State government wishes alert general public safety hazards risks inherent conversion process use LPG powered generators homes offices Mojola listed Spark heat generator cause fire outbreak gas leakage occurs hose cylinder valve Explosion could occur generator house properly ventilated thereby allowing gas leak build enclosed space LPG bottled high pressure potential explosions properly handled Gas cylinders fall roll placed even flooring When happens gas hose pull leading uncontrolled leakages Corrosion gas cylinders occur left rain humid environment Others according Exposure direct sunlight expose cylinders excessive temperature attendant risk explosion Poor installation hybrid carburettors generators increase risks accident CNG discouraged household generating sets except special cases like large estates plants power generation use substandard dilapidated expired cylinders substantially increases risks gas explosion ',

0.8933753967285156],

['The Armed Forces Nigeria continued aggressive operations across country killing 49 persons involved terrorism banditry criminality Director Defence Media Operations DMO BrigGen Benard Onyeuko disclosed Abuja Thursday briefing journalists update military operations across country He said 1186 Boko Haram terrorists families comprising 226 adult males 406 adult females 555 children surrendered troops Operation Hadin Kai different locations Northeast last two weeks Seventyone 71 others arrested including 2 women logistics suppliers Mrs Aisha Umar 19 years child 2 years Mrs Kaltumi Bakura 20 years resident IDP camp Bama He said troops also rescued 97 kidnapped civilians recovered 122 assorted weapons The Director said troops of Operation Delta Safe conducting land

maritime air operations forestall activities economic saboteurs criminal elements Southsouth zone discovered demobilised 20 illegal refining sites 62 ovens 12 cooking potsboilers 8 cooling systems 19 reservoirs 18 large dugout pits 88 storage tanks He said Cumulatively troops discovered immobilized total 20 illegal refining sites Additionally 8 criminal elements including 2 impostors arrested 7 arms 3 rounds ammunition among items recovered course operations Zone Additionally troops rescued 13 kidnapped civilians within period Consequently total one million two hundred three thousand two hundred fifty litres 1252250ltrs illegally refined AGO one million one hundred thirtyeight thousand three hundred forty litres 1140340ltrs stolen crude recovered course operations Furthermore troops neutralized 3 armed robbers rescued 2 kidnapped civilians 5 criminal elements associated pipeline vandalism piracy illegal oil bunkering armed robbery arrested within period He said kinetic nonkinetic efforts Armed Forces Nigeria AFN security agencies fight criminalities across country achieving significant results saying military relentless rest oars fight criminalities parts country ',

0.8682855367660522],

['13 killed Nigeria intercommunal clashes Jos Nigeria June 18 2023 A FP Clashes farmers herders killed least 13 people central Nigeria weekend community leaders local authorities told AFP Sunday In recent weeks central state Plateau seen resurgence violence herding farming communities fighting access land resources On Friday five herders taking cattle market stopped killed Rawuru com ',

0.8192957043647766],

['About five people died road accident occurred near Mlare Trading Centre Karonga A lorry picture carrying people going funeral Nyungwe overturned spot According unconfirmed reports say five died spot several others injured Both police health official district yet comment development ',

0.8045117855072021],

['Special Representative Children Armed Conflict Virginia Gamba unveiled SecretaryGeneral latest annual report 2022 showed 27180 grave violations overall increase previous year The recorded violations refer verified information likely toll much higher cover four categories recruitment use children armed groups forces killing maiming rape sexual violence abduction Two thirds violations involved boys spanning 24 different conflict situations A total 8831 children killed maimed another 7622 recruited armed groups forces Worst offenders Ms Gamba told journalists press conference New York countries recording highest number violations Democratic Republic Congo DRC Israel State Palestine Somalia Syria Ukraine Afghanistan Yemen The monitoring verification grave violations remained extremely challenging including owing access constraints leading underreporting violations increase violations verified 2022 according report The countries worst deterioration occurred Myanmar South Sudan Burkina Faso Schools hospitals There 1163 attacks schools recorded 647 attacks hospital - 112 per cent increase report said The widespread military use schools armed forces armed groups worrisome trend said Ms Gamba calling remain zones peace Nearly 2500 children detained practice used last resort shortest period added Russia added offenders list Ms Gamba said Russian forces affiliated armed groups Ukraine added annex report notable offender number attacks hospitals schools carried invasion killing children military operations Russia use rocket systems airstrikes shelling populated areas resulted high casualties said adding engagement Moscow introduce measures decrease attacks would continue She said Ukrainian armed forces also received warning UN SecretaryGeneral report owing attacks carried schools hospitals war Stressing even defensive responses needed accord international humanitarian law commended progress made Ukrainian Government make improvements Israel Palestine added The Special Representative said Israel State Palestine would added global list offenders emphasizing warning repeat urban assault Gaza May 2021 retaliatory missile launches heeded sufficiently She said important decrease Israeli airstrikes 2022 noting whole purpose publishing report highlighting violence change behaviour strengthen protection However raised concerns continuing high level v

violence West Bank occupied territories far year Among added offenders list armed groups DRC including M23 MaiMai Zaire CODECO ',
0.5683503746986389],

['1 Start budget One first money rules learn value budget Charnel Collins CEO National Debt Advisors says budgeting helps know exactly money going also save effectively leave enough money unexpected expenses emergencies Collins refers 503020 budgeting rule savings strategy easy guideline planning budget How works 50 net income goes needs like rent groceries utilities 30 wants hobbies holidays dining 20 financial goals savings debt payments Understanding priorities budgeting according needs makes budgeting rule efficient Collins adds start earning salary likely find companies offering credit tempting While wellmanaged credit card useful financial tool without proper financial knowledge quickly get control cautions 2 Remember money needs last long Adrian Pask chief investment officer PSG Wealth points advances medicine technology overall quality life resulted average person lifespan increasing three years every 10 years pass The World Economic Forum expects massive shortfall 80 trillion retirement funding among retirees globally 2025 many underestimating long live much money really need retirement When add grow savings required savings rate doubles every decade A person retires age 60 life expectancy 85 years required real return 5 save 1250 age 20 rate roughly doubles every 10 years The longer delay steeper climb Start early lessen load Pask advises 3 Fight inflation monster Protecting savings inflation crucial Assuming South African longterm inflation averages 6 year essence start every year minus 6 need ensure invest way recover 6 grow real value savings top For example balanced portfolio offers return 11 year real growth equates 5 year Pask warns asset classes engineered protect savings inflation For example cash great way cater shortterm income needs weakest guard inflation A portfolio consists solely cash guaranteed underperform inflation fees taxes As stable asset class may provide shortterm comfort long term opportunity cost significant says 4 Note compound interest greatest ally Over short term may seem difference seven eight 11 15 much differences grow compound time By way example R100 cash investment grows 7 would grow R387 20 years whereas equity investment growing 15 would worth R1637 ',
0.5052335262298584],

['A source Senate told Sunday PUNCH The President senate Villa Thursday meet President Tinubu The idea name members committees day In actual fact Akpabio sent message senators inform presiding officer deputy Senator Jibrin Barau delay plenary returned Villa But due issues like jamming network within chambers members putting phones silence message sent unable access end plenary Some saw message 10 minutes Senate adjourned With announcement composition committees could made The source added Now matter Some former presidential aspirants former governors worked President Tinubu campaign also rooting major committees feasible Nigerians refer committees juicy ones Such committees include appropriations finance army works customs foreign affairs among others Supporters Senator Abdulaziz Yari also coming back bargain headship committees But possibility get want This precedence When Bukola Saraki emerged President Senate foot soldiers Senator Ahmad Lawan also race Senate presidency left without heading committee The likes Senator Solomon Adeola others denied significant role period loyalty Lawan It also gathered Governor Imo State also Chairman Progressives Governors Forum Hope Uzodimma played described significant role emergence Senator Opeyemi Bamidele Senate Leader Apart Bamidele senators said indicated interest position immediate past governor Ebonyi State Dave Umahi Senator Ali Ndume Both Umahi Ndume played significant roles emergence Akpabio Senate President While Umahi served Chairman campaign committee Ndume director general But unlike Umahi Ndume earlier indicated interest contest Senate presidency stepped former governor Akwa Ibom State eventually defeated Yari A source said Uzodimma told Ndume backers throughout eightyear reign President Muhammadu Buhari allowed choice northerner Senate Majority Leader would wrong deny Tinubu opportunity choice occupy position It painful Ndume backers especially role Borno State senator played development threw Akpabio

option agree take position Senate Whip source added In House Representatives Speaker Tajudeen Abbas Thursday June 15 2023 constituted seven special committees effective takeoff assembly They Internal Security Committee led Mohammed Danjuma Selection Committee chaired Speaker Media Committee headed Buka Ibrahim Others Legislative Agenda Committee chaired Prof Julius Ihonbware Rules Business Committee led Igariwey Iduma Welfare Committee headed Wale Raji Ethics Privileges Committee led Tunji Olawuyi ',
0.34440314769744873],

['A generating set gas cylinder Photo Twitter Nairametrics The Lagos State Government advocated safe conversion petrolpowered generators Liquified Petroleum The Lagos State Government solicited support residents mitigating challenge plastic waste Governor Babajide SanwoOlu made call Monday It celebration culture tradition Display Saturday residents across five divisions Lagos State converged 2023 Batch A Stream Two Corps Members deployed Lagos Photo Kikelomo Ifekoya The Lagos State Government commended National Youth Corps members Lagos State Governor Babajide SanwoOlu says state officials found culpable collapse sevenstorey building Banana Island illegal constructions A scene collapsed building Banana island Photo Vanguard A seven storey building construction Banana Island Lagos collapsed Wednesday The Lagos State Government granted permission students Chrisland High School Opebi terminal classes converge physical learning The Nigerian Safety Investigation Bureau NSIB says soon release report Lagos train bus accident occurred earlier month The A National Youth Service Corps member Miss Oreoluwa Aina died Lagos train accident occurred Thursday March 9 buried ',
0.3378215730190277],

['A generating set gas cylinder Photo Twitter Nairametrics The Lagos State Government advocated safe conversion petrolpowered generators Liquified Petroleum The Lagos State Government solicited support residents mitigating challenge plastic waste Governor Babajide SanwoOlu made call Monday It celebration culture tradition Display Saturday residents across five divisions Lagos State converged 2023 Batch A Stream Two Corps Members deployed Lagos Photo Kikelomo Ifekoya The Lagos State Government commended National Youth Corps members Lagos State Governor Babajide SanwoOlu says state officials found culpable collapse sevenstorey building Banana Island illegal constructions A scene collapsed building Banana island Photo Vanguard A seven storey building construction Banana Island Lagos collapsed Wednesday The Lagos State Government granted permission students Chrisland High School Opebi terminal classes converge physical learning The Nigerian Safety Investigation Bureau NSIB says soon release report Lagos train bus accident occurred earlier month The A National Youth Service Corps member Miss Oreoluwa Aina died Lagos train accident occurred Thursday March 9 buried ',
0.3378215730190277],

[' Doha Qatar - The Qatarbased global education foundation Education Above All EAA strongly condemned attack terrorist group Allied Democratic Forces ADF Mpondwe Lhubirira Secondary School Kasese district Friday The terrorist group killed 37 children altogether five admitted hospital still fighting lives The school burnt students abducted The deliberate targeting students educational facilities serious escalation conflict Uganda DRC said Maleiha Malik Executive Director EAA Protect Education Insecurity Conflict Programme The international communities must insist parties conflict adhere international law respect schools safe places students teachers learn teach play said Malik Attacks education potential longer term harm education systems provision education children young people Uganda DRC Eastern Africa emphasised Uganda Education Minister First Lady Janet Museveni said private school built NGO led Peter Hunter works Uganda DRC The school two dormitories girls dormitory boys dormitory Relatives victims school attack could hold tears back The boys locked dormitory evil people could enter threw petrol bomb inside dormitory started fire burnt 17 boys said Ms Museveni Saturday Dr Mary Joy Piegozzi Executive Director Educate Child Programme stated The killing abduction children young people school abhorrent EAA Foundation continue work conflict affected s

ituations ensure vulnerable children access quality education EAA Educate A Child programme partners enrolled 400000 formerly school children primary level Uganda since 2012 collaboration four partners Another 150000 waiting enroll What future young people see secondary education holds promise loss dear torture gruesome death The global community must call end attacks education hold perpetrators account said EAA statement sent ChimpReports Sunday ',
0.2911316454410553],

['A former top security chief Nigeria retired Commissioner Police Lagos State Alhaji Abubakar Tsav stated routine posting officers Nigerian Army professional strategy aimed reinvigorating military operation He said interview select journalists country wake recent reposting military commanders across country Nigerian ArmyCP Abubakar Tsav rtd stated standard security formations regular postings reposting ensure cases familiarity complicity reduced barest minimum It standard practice officers stay particular command long period reduce incidences familiarity complicity criminal elements locations If look operation s Nigerian Police security agencies would realize always postings reposting way reinvigorating operations maximum efficiency He stated postings security sector purely professional purposes witchhunting would want believe People must understand sensitivity operations security operatives It far different conventional practice civil public service Here dealing protection human lives proprieties room sentiments Nigerians must come terms fact whenever security agencies carry routine postings purely operational reasons nothing more When asked redeployment Major General Olusegun Adeniyi theatre operations NorthEast Nigeria a connected recent conduct posted videos troops operations northeast stated nothing would case Nigerian Army Lt Gen Tukur Buratai evolved professionally active fighting force I tell free us security sector understand dynamics involved warfare We also follow security issues carefully I tell redeployment Major General Olusegun Adeniyi nothing videos went viral social media space I think Nigerian Army today evolved past stage people insinuating Not man like Lt Gen Tukur Buratai statesman core It must noted sensitivity northeast operation requires Chief Army Staff carries holistic review frontline commanders performances whole one rare attempt showcase oneself world war Commander One need top echelon Nigerian Army know Lt Gen Tukur Buratai given opportunity would promote Major General Olusegun Adeniyi officer excellent job So must understood redeployment routine line operations Nigerian Army operation NorthEast Nigeria The Boko Haram war one Nigerian Army would play gallery It asymmetric war room personal selfish pursuit The overarching objective remains best interest country officers soldiers Nigerian Army Therefore I strongly believe posting nothing recent actions overall wellbeing Nigerian Army interest state On war insurgency Tsav stated less time Nigerian troops would cause celebrated citizens troops continued give best fight If go memory lane would realize since 2009 Boko Haram group began violent campaign Nigeria never time like morale fighting troops b ',
0.26038363575935364],

['Copyright 2023 The Associated Press All rights reserved The coffins Florence Masika son Zakayo Masereka killed suspected rebels retreated Saturday s attack Lhubiriha Secondary School carried burial Nyabugando Uganda Sunday June 18 2023 A bereaved Ugandan border town Sunday began burying victims brutal attack suspected extremist rebels left least 42 people dead students security forces stepped patrols along frontier volatile eastern Congo AP PhotoHajarah Nalwadda KAMPALA - A bereaved Ugandan border town Sunday began burying victims brutal attack school suspected extremist rebels left 42 people dead students security forces stepped patrols along frontier volatile eastern Congo One eight people wounded Friday night s attack 38 students killed died overnight said Selevest Mapoze mayor town MpondweLhubiriha Most relatives come take bodies morgue said In addition 38 students victims include school guard three civilians At least two members family buried Sunday Some students burned beyond recognition others shot hacked death militants armed guns machetes attacked Lhubiriha Secondary School coed privately owned located 2 kilometers mile Congo border Ugandan authorities believe least six students abducted taken po

rters back inside Congo UN SecretaryGeneral António Guterres condemned attack statement urging importance collective efforts including enhanced regional partnerships tackle crossborder insecurity Congo Uganda restore durable peace area The atmosphere MpondweLhubiriha tense calm Sunday Ugandan security forces roamed streets outside near school protected police cordon The attack blamed Allied Democratic Forces ADF rarely claims responsibility attacks It established ties Islamic State group In statement Sunday first comment incident Ugandan President Yoweri Museveni described attack criminal desperate terrorist futile vowing deploy troops Ugandan side border The ADF accused launching many attacks recent years targeting civilians remote parts eastern Congo including one March 19 people killed The ADF long opposed rule Museveni US security ally held power East African country since 1986 The group established early 1990s Ugandan Muslims said sidelined Museveni policies At time rebels staged deadly attacks Ugandan villages well capital including 1998 attack 80 students massacred town far Friday's raid The attack followed playbook violence students ',

0.25126028060913086],

['One eight people wounded Friday night attack Lhubiriha Secondary School - located mile Congo border - died overnight MpondweLhubiriha mayor Selevest Mapoze said Security forces said stepping patrols along frontier volatile eastern Congo Relatives travel back truck coffins villagers killed attack Hajarah NalwaddaAP Most relatives come take bodies morgue said Some students burned beyond recognition others shot hacked death militants armed guns machetes attacked school coeducational privately owned Ugandan authorities believe least six students abducted taken porters back CongoIn addition 38 students killed victims included school guard three civilians Lhubiriha Secondary School attacked Friday night Hajarah NalwaddaAP UN secretarygeneral Antonio Guterres condemned attack statement urging importance collective efforts including enhanced regional partnerships tackle crossborder insecurity Congo Uganda restore durable peace area The atmosphere MpondweLhubiriha tense calm Sunday Ugandan security forces roamed streets outside near school protected police cordon Ugandan security forces given detailed account rebels active eastern Congo able carry attack The group known Allied Democratic Forces ADF rarely claims responsibility attacks It established ties so-called Islamic State IS group Relatives wait collect bodies victims attack Hajarah NalwaddaAP In statement released Sunday Ugandan president Yoweri Museveni described attack criminal desperate terrorist futile vowing deploy troops Ugandan side border The ADF accused launching many attacks targeting civilians remote parts eastern Congo recent years including one March 19 people killed The ADF long opposed rule Ugandan president Mr Museveni US security ally held power East African country since 1986 The group established early 1990s Ugandan Muslims said sidelined Mr Museveni policies Plainclothes security forces civilians stand outside entrance school Hajarah NalwaddaAP At time rebels staged deadly attacks Ugandan villages well capital including 1998 attack 80 students massacred town far Friday raid Students attacked schools considered soft targets pupils sometimes recruited rebels ranks used carry food supplies insurgents raids provide media coverage coveted extremists The raid appears taken Ugandan authorities surprise first responders arriving attackers left Some villagers moved away MpondweLhubiriha community temporarily fearing attacks Mr Mapoze said ',

0.2169523388147354],

['KAMPALA June 18 Reuters Uganda's President Yoweri Museveni Sunday ordered troops western Uganda attackers group links Islamic State killed least 37 secondary school students Members rebel Allied Democratic Forces ADF killed students late Friday Lhubirira Secondary School Mpondwe near border Democratic Republic CongoMilitary police said attackers also abducted six students fled towards Virunga National Park across border Their fate unknown Museveni said soldiers joined pursuit area includes Rwenzori Mountain ADF launched insurgency Museveni 1990s We sending troops area south Rwenzori Mountain said statement Their action desperate cowardly terrorist action therefore save We bringing new forces Uganda side continue hunting Congo side On Saturday p

privately owned NTV Uganda television said death toll stood 41 staterun New Vision newspaper said 42 New Vision said 39 dead students killed attackers set bomb fled The attack drew widespread international condemnation including United Nations African Union East African s Intergovernmental Authority Development Ugandans shocked attack Parents across country please panic children safe remain safe They evil people trying harm children manage Janet Museveni First Lady Education Minister said late Saturday Museveni said government would also investigate lapses enabled attack happen Was alarm sounded How nearby s security people respond Why people Congo side intelligence splinter group etc Museveni said The ADF largely defeated Ugandan military remnants fled vast jungles eastern Congo since maintained insurgency attacking civilian military targets Congo Uganda In April ADF attacked village eastern Democratic Republic Congo killing least 20 people ',

0.11296349763870239],

['failed rebellion The Wagner Group brutalizes civilians Central Africa n Republic Mali elsewhere crush dissent fend threats leaders power In exchange Russia gains access natural resources ports weapons shipped receives payments enrich Kremlin help fund operations elsewhere including war Ukraine Neither Russia African leaders dependent Wagner fighters interest ending relationships But many questions linger aftermath Wagner stunning revolt lead thousands fighters stationed across many African nations whether Moscow absorb fighters Russian army The situation extremely volatile said Nathalia Dukhan senior investigator The Sentry USbased policy organization published investigative report Tuesday accusing Wagner carrying various humanrights abuses African countries But learnt investigating analyzing Wagner Africa past 5 years group resilient creative fearless predatory less likely Wagner empire instantly fall like house cards Beyond financial rewards Putin also sought use Wagner fighters help expand Russia presence Middle East Africa He seeks security alliances autocrats coup leaders others spurned neglected US Europe either bloody abuses competing Western strategic interests Asked whether Wagner weekend mutiny could erode Russia positions Africa Russian Foreign Minister Sergey Lavrov told staterun TV network security assistance African countries would continue He specifically mentioned Central African Republic Mali noted Russian government officials maintained contact leaders thereLavrov told RT seen sign panic sign change African nations revolt Moscow But amid uncertainty least confusion exactly comes next In Mali least 1000 Wagner fighters replaced French troops brought fight Islamic extremists US alleges Kremlin uses country waystation arms shipments Russian forces Ukraine But Malian government denied using Wagner purpose training An officer Malian Air Force spoke condition anonymity unauthorized comment publicly said Russian fighters play important combat role At moment enough pilots military aircraft combat helicopters flown Wagner men If Russia asks Malian government stop cooperating Wagner obliged greater interest Russian government Wagner officer said As part deal end rebellion Putin presented Wagner fighters three options either join Russian military go Belarus like Prigozhin return home It clear options also applied Wagner fighters Africa In Central African Republic statue capital Bangui pays tribute Russian mercenaries helped keep President FaustinArchange Touadera power ',

0.10036773979663849],

['President Julius Bio Sierra Leone Tuesday declared winner presidential election West African country Mr Bio secured victory polling 56 per cent votes avoid runoff main rival Samura Kamara polled 41 per cent The president 59 running reelection first term five years characterised inflation high cost living poor currency PREMIUM TIMES earlier reported ESCL said Mr Bio took early lead 60 per cent total votes tallied Monday According electoral law order win first round candidate needs 55 per cent voteThe election considered twohorse race President Bio Sierra Leone People Party SLPP 72yearold former cabinet minister Samura Kamara leads opposition All People Congress APC party Tension The general elections defined tension widespread uncertainty especially opposition strongholds northern districts On Sunday police Sierra Leone fired tear gas headquarters APC Freetown voters awaited results keenly contested electi

onREAD ALSO Mr Kamara said Twitter live bullets fired office inside party head quarters <https://twitter.com/samurakamara201/status/1673045382668902402> ti2KB76PLZ8qcBh1BlQIBMA amp s19 But police statement said members APC paraded Freetown announcing public election The Office National Security earlier warned party members declaring result elections said lies electoral umpire On Tuesday European Union Election Observation Mission EOM Sierra Leone preliminary observation report stated Voters commitment democratic process challenged violence lack transparency critical stages elections EU EOM preliminary observations concludes Voters commitment democratic process challenged violence lack transparency critical stages elections Full text EU EOM Sierra Leone 2023 eu eomsl2023 June 27 2023 Support PREMIUM TIMES journalism integrity credibility Good journalism costs lot money Yet good journalism ensure possibility good society accountable democracy transparent government Oladeinde Olayoyin reports Business amp Economy Development Lagos Metro PREMIUM TIMES A First Class graduate Mass Communication University Ilorin Ilorin nominated journalism category The Future Awards Africa 2017 Aside maintaining column titled SATURDAY SATIRE also writes art culture pieces weekends Twitter Oladeinde ',
0.034663040190935135],

['The CocaCola System Nigeria comprising CocaCola Nigeria CHI Limited Nigerian Bottling Company reiterated commitment promoting sustainable ecosystems ocean preservation Annual System Beach Cleanup exercise furtherance World Without Waste vision Through vision company investing planet packaging goal collect recycle bottle every one sells globally - regardless comes - 2030 Every year The CocaCola System Nigeria pulls together likeminded partners beach cleanup drive focused eliminating plastic waste debris beaches ultimately preserving shorelines coastal communities This year partnership Mental Environmental Development Initiative Children MEDIC total beverage company hosted residents partners yet another impactful exercise Elegushi Beach Lagos Friday June 16th 2023 The exercise led Doyinsola Ogunye Founder Mental Environmental Development Initiative Children MEDIC saw attendance 300 people played host notable environmental advocates including community volunteers local environmental protection agencies coming together united singular vision World Without Waste championed leading beverage company Speaking event Managing Director CHI Limited Eelco Weber remarked For The CocaCola System Nigeria sustainability remains core operations We set ambitious goals facilitate taking leading role Nigeria collecting recycling equivalent every bottle sell 2030 We socially responsible company continue lead charge Nigeria globally continuing right planet communities System Nwamaka Onyemelukwe Director Public Affairs Communications Sustainability CocaCola Nigeria opening remarks reiterated significance exercise company committed fostering partnerships promote environmental preservation While made progress World Without Waste goals also committed faster grow business right way That 2020 signed joint statement urging United Nations member states adopt global treaty tackle plastic waste issue helped launch Business Coalition Global Plastics Treaty 2022 We also announced industry leading target reusable packaging aiming least 25 beverages globally across portfolio brands sold refillable returnable glass plastic bottles refillable containers She added Ultimately recognize achieve goals alone Addressing plastic waste recycling challenges requires collaboration industry public sector civil society Through effective collaboration well partnerships NGOs Food Beverage Recycling Alliance FBRA National Plastic Action Partnership NPAP Ellen MacArthur Foundation EMF World Wildlife Fund WWF help accelerate impact Soromidayo George Director Corporate Affairs Sustainability Nigerian Bottling Company also reinforced vision System advancing solutions address waste management across country ',
0.026029018685221672],

['By Joshua Chibuzo Andrew Owerri A police officer Friday killed conveyer former governor Imo state Rochas Okorocha attacked The ex governor conveyed attacked Ihube community Okigwe Enugu expressway Ihube axis expressway siege terrorists killing kidnapping people travellers ransoms Houses several politicians community raised indigenes killed sleeps These made many locals abandon ho

mes run state capital Owerri places safety Confirming killing police officer assassination attempt Okorochoa said Convoy could attacked Okorochoa ruled state 2011 2019 said cop killed one policemen deployed state Government House take burial ceremony mother immediate past governor Imo state Emeka Ihedioha Okorochoa spoke Sunday Amaimo Ikeduru Local Government Area state birthday anniversary celebration Peoples Democratic Party candidate November 11 governorship election Imo state Samuel Anyanwu said killing cop unfortunate The ex Imo governor said retuning Enugu attending burial ceremony wife former senate president Ken Nnamani Okorochoa said governor Enugu state Peter Mbah released vehicles security men take team Imo state burial ceremony Ihedioha mother He disclosed finished attending funeral ceremony Mbaise convey dropped Spilbat mansion Owerri heading back Enugu attacked Okorochoa said embittered met save Enugu attacked security agent killed state He said I angry I angry I angry I spent two days Enugu nothing happened state convey released governor Enugu state good man attend burial ceremony Ihedioha mother Mbaise attacked one police man killed What happening Imo state makes angry Many people running govern Imo state capable I seen one man cap fits When time I speak One ex governor aides spoke correspondent confidence said vehicles convey comprised sports Utility Vehicle bus Hilux shattered bullets He said two security agents kidnapped attackers released day ',

0.023782851174473763],

['PROTECTING THE SAHEL AND BEYOND HOW SAFEGUARDING AGAINST CORRUPTION COULD MAKE THE GREAT GREEN WALL A REALITY In world grappling environmental threats Great Green Wall Sahara Sahel Initiative GGWI emerged African solution build sustainable future across vast Sahel region Launched 2007 initiative sought provide green shield advancing desert preserve fertile land agriculture strengthen climate resilience across area directly Sahara spanning Senegal Mauritania Mali Burkina Faso Niger Nigeria Chad Sudan Eritrea Ethiopia Djibouti Aiming strike delicate balance ecological restoration protection basic human rights tangible benefits millions people across region would include increased food security enhanced access vital natural resources job opportunities land and management restoration efforts Today initiative traverses immense expanse African continent thirty countries multiple organisations involved Its structure designed comprehensive inclusive inherent complexities given mammoth scale Despite commitment good governance GGWI experienced critical implementation coordination challenges For initiative carried successfully effective implementation require transparency accountability increased participation civil society organisations wider community What GGWI purpose governance structure The GGWI conceived response challenges desertification poverty food insecurity Africa's Sahel region Ultimately GGWI aims restore 100 million hectares degraded land create 10 million jobs sequester 250 million tonnes carbon 2030 using integrated land management approach The African Union AU launched initiative 2007 continues oversee project received backing various organisations including United Nations World Bank several donor countries The initiative spread every geographical region African continent thirty countries engaged various stages implementation The Pan African Agency Great Green Wall PAAGGW created 2010 coordinate monitor implementation GGWI mobilise necessary resources together AU 11 countries directly Sahara wall span These 11 countries created national agencies focal points supervise coordinate implementation national GGWI priority actions These agencies work closely local communities nongovernmental organisations stakeholders At community level local organisations groups involved farmers indigenous communities Their involvement crucial valuable knowledge experience local environment In 2021 world leaders One Planet summit launched Great Green Wall GGW Accelerator hosted United Nations Convention Combat Desertification UNCCD aims support PAAGGW increase speed GGWI deliver results This includes adopting structured approach implementation scaling successful initiatives harmonising impact measurement reporting better integrating private sector civil society research innovation GGWI efforts ',

0.01692863740026951],

['ABIDJAN Ivory Coast - The world top producer cocoa key ingredient c

chocolate mission feed appetite chocolate lovers Singapore world without exploiting forests farmers Switzerlandbased Barry Callebaut also biggest chocolate maker world estimated produce fifth company cocoa beans In recent times focusing on infusing sustainability cocoa supply chain Ivory Coast West African coast The Straits Times April went plantations Ivory Coast capital Abidjan provide cocoa gets transformed finest Barry Callebaut chocolate productsThe Swiss cocoa giant operates 45 countries employs global workforce 13000 people generates sales 81 billion Swiss francs S 121 billion annually The appetite chocolate Asia grown past decade cocoa businesses grinding 904094 tonnes cocoa 2022 606622 tonnes 2012 according Cocoa Association Asia But nonprofit groups raised concerns cost poor communities global South including Ghana Ivory Coast farm popular ingredient forests cleared cocoa monocultureIn May Barry Callebaut refined postponed targets make chocolate sustainable 2025 felt time needed – 2030 – systemic change take place Mr Nicolas Mounard Barry Callebaut vicepresident sustainability farming told media April 27 company needs five years ensuring ingredients come sustainable sources – contribute deforestation whose products traced farm produced Sustainable ingredients expected make 75 per cent production 2025 said Mr Mounard He added company working European Union meet sweeping antideforestation law approved AprilUnder law listed goods including cocoa sold come deforested land contributed forest degradation Dec 31 2020 This aligns Barry Callebaut efforts map entire supply chain ensure cocoa traced plantation encroach virgin forests The Straits Times given demonstration farm boundaries Tiassale 140km Abidjan monitored using satellite data app The app alerts firm whenever change farm boundaries results decrease forest coverOther efforts focused improving farmers livelihoods greater yields Barry Callebaut expecting hit original target raising 2025 incomes 500000 cocoa farmers poverty Farmer Noel N Dri Yao 53 owns plantation Tiassale said support Barry Callebaut helped produce 420kg beans bulk cocoa harvested Three years ago joined cooperative Barry Callebaut works produced 300kg beans He earns living cocoa farming like nearly quarter Ivory Coast population according data compiled state regulator CoffeeCocoa Council As member cooperative Mr N Dri Yao gets insecticide subsidised fertiliser help labour groups employed chocolate maker prune fraction trees ',

0.008693481795489788],

['As per circular issued district magistrate Imphal East Khumanthem Diana Devi Total public curfew Section 144 CrPC 1973 prohibiting movement persons outside respective residences imposed Imphal East District vide Office Order dated 3rd May 2023 hereby relaxed 5 AM 5 PM 18th June 2023 except area schedule given order facilitate general public purchase essential items including medicines food supplies Manipur Violence Here Are Top 10 Updates Authorities Imphal East district decided relax curfew hours 5 5 PM Sunday June 18 Curfew imposed section 144 Manipur clashes broke Kuki Meitei communities May 3 The Manipur government planning resume normal classes schools state June 21 L Nandakumar Singh directorate education schools government Manipur said Saturday Mizoram Chief Minister Zoramthanga Sunday said Manipur counterpart N Biren Singh spoken phone sought help restore peace neighbouring state Chief Minister Manipur Shri N Biren Singh spoke phone 1230 PM regarding Manipur ongoing violence asking aid resolving issue hope henceforth would peaceful coexistence Furthermore request take means measures Mizoram Meitei settle peacefully Mizoram Chief Minister Zoramthanga said Shiv Sena UBT president Uddhav Thackeray criticised Prime Minister Narendra Modi scheduled visit US asked going abroad instead visiting Manipur resolve crisis violencehit northeastern state The Rashtriya Swayamsevak Sangh RSS Sunday condemned ongoing violence Manipur appealed government including local administration police security forces central agencies take every possible step restore peace immediately The Congress Sunday took swipe Prime Minister Narendra Modi situation Manipur saying one Mann Ki Baat Maun silence Manipur Ten opposition parties Manipur led Congress Saturday questioned silence Prime Minister Narendra Modi continued violence northeastern state urging meet make appeal peace Two civilians injured mobs clashed security forces overnight Imphal town attempts made torch houses BJP leaders officials said

Saturday ',

0.005341395735740662],

['The majority positive cholera cases deaths linked social gatherings funerals This according national Department Health Infections decline On Sunday department confirmed death toll cholera outbreak risen 43 Gauteng accounts deaths 35 people confirmed died gastrointestinal disease While decline total number infections currently 197 confirmed cases across country The country recorded total cumulative number 1 045 suspected cases cholera 15 52 districts across five provinces 197 laboratory confirmed READ MORE Daily news update Diepkloof protests cholera death toll Outa vs Nsfas CEO Gauteng accounts cases 89 176 reported three districts Free State accounts 6 11 cases reported Fezile Dabi District North West recorded five cases Limpopo four cases one case Mpumalanga Health Department spokesperson Foster Mohale said statement Mohale said focus preventing person to person transmission disease reported cholera outbreak He indicated spread cholera cases attributed social gatherings The department appeals general public maintain strict compliance personal hygiene especially food preparations social gatherings funeral services Blue Drop report The cholera deaths Gauteng Free State Mpumalanga symptomatic widespread collapse water sanitation infrastructure According Department Water Sanitation s Blue Drop Watch Report released 6 June drinking water areas Hammanskraal Parys Phake contaminated faecal bacteria E coli The source outbreak still yet identified however department stated pollution Apies River Rooiwal sewage treatment plants likely cause cholera outbreak Hammanskraal READ MORE SA s drinking water quality dropped due defective infrastructure neglect Last month City Tshwane announced would allocate R450 million next three years complete first phase upgrades Rooiwal water plant At least R25 billion needed second phase project The Rooiwal system releases water Leeuwkraal Dam extracted Temba Water Treatment Works distributed households Hammanskraal In addition city also revealed looking provide financial assistance families died cholera GPHIN relevance 0989 ',

0.001425710041075945],

[' We need women levels including top change dynamic reshape conversation make sure women voices heard heeded overlooked ignored This well known unimpeachable quotation contains thoughts Sheryl Sandberg famous American technology executive writer philanthropist Sandberg also Forbes billionaires list good example empowered woman knows wants headed deserves One greatest things extraordinary woman defined gender past errors environment society expects That remain high flyer archetype every conscious woman wants leave mark profession life I strongly believe Sandberg remarkable life journey presents valuable lessons every woman irrespective age social status I followed Sandberg career trajectory since 2012 elected Facebook board directors I think every woman must read story trials triumphs As matter fact one inspiring women changing world better engaging writing style philanthropy She also making considerable impact global technology sector ingenuity courage Today ideas achievements resonating many people absolutely clear world needs women like Sandberg leadership positions never That also call greater gender equality equity becoming louder deafening everywhere But patriarchal world accused repeatedly consciously unconsciously excluding women top leadership positions public life close widening gender gap period history Is possible create world without discrimination gender bias The truth women critical nation building For humanity grow blossom women must respected included loved cared Any country system wants achieve long term sustainable development goals must look direction women engine room creativity innovation sustainability progress For scariest part system deliberately excludes women scheme things system also inadvertently discounts unique innate talents women deploy raising children providing stability homes As matter fact disservice humanity women denied equal chances participating politics public life This exclusion also counterproductive global advancement given females generally believed proactive ingenious productive efficient resource management Without doubt women distinctive nature orientation contribute immensely growth development every society anywhere everywhere However aside traditional roles mothers caretakers provide support many innumerable ways women all

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so educators caregivers farmers managers entrepreneurs glue society So c
ountry ignores peril Women important extent humanity history side based every
one common experiences realitiesThe question point draw line Political soc
ial cultural financial exclusion gender harmful society also unacceptable age
time ',
1.9325736502651125e-05]], dtype=object)
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In []: