

0mn2yny3

March 8, 2023

```
[ ]: from keras.datasets import cifar10
```

2. import libraries

```
[66]: #import libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
from tensorflow import keras as kr
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Conv2D
from tensorflow.keras.layers import MaxPooling2D
from tensorflow.keras.layers import Dense, Activation, Flatten
from tensorflow.keras.optimizers import Adam
```

3. Split the dataset into x_train,y_train,x_test,y_test.

```
[67]: #load cifer10 dataset and split it.
(x_train, y_train), (x_test, y_test) = cifar10.load_data()
```

4. Change train data and test data into float32 and divide by 255.

```
[68]: #change train data and test data into float32 and divide by 255
#That normalizes data from 1 to 0.
x_train = x_train.astype('float32')/255
y_train = y_train.astype('float32')
x_test = x_test.astype('float32')/255
```

5. Convert y_train and y_test into 10 categories

```
[69]: #convert y_train and y_test into 10 categories
y_train = kr.utils.to_categorical(y_train, 10)
y_test = kr.utils.to_categorical(y_test,10)
```

6. Let's show images of Cifer-10 images.

```
[70]: # 6. Let's show images of Cifer-10 images.
plt.figure(figsize=(8,8))
for i in range(10):
```

```
plt.subplot(5, 5, i+1)
plt.title(i)
plt.imshow(x_train[i].reshape(32,32,3))
```



7. Let's build 1st CNN model with Adam optimizer.

```
[71]: #build 1st model
model = Sequential()
model.add(Conv2D(32,(3,3), activation='relu',padding='same',
    ↳input_shape=x_train.shape[1:]))
model.add(Conv2D(32,(3,3),padding='same', activation='relu'))
model.add(MaxPooling2D(pool_size=(2, 2)))
model.add(Flatten())
model.add(Dense(512, activation='relu'))
model.add(Dense(10, activation='softmax'))
model.compile(optimizer='adam',loss='categorical_crossentropy',
    ↳metrics=['accuracy'])
model.summary()
```

Model: "sequential_3"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 32, 32, 32)	896
conv2d_1 (Conv2D)	(None, 32, 32, 32)	9248
max_pooling2d (MaxPooling2D)	(None, 16, 16, 32)	0
flatten_3 (Flatten)	(None, 8192)	0

dense_6 (Dense)	(None, 512)	4194816
dense_7 (Dense)	(None, 10)	5130

```
=====
Total params: 4,210,090
Trainable params: 4,210,090
Non-trainable params: 0
-----
```

8. Let's fit 1st CNN model with Adam optimizer.

```
[72]: #model fitting
result1=model.fit(x_train, y_train,batch_size=128, epochs=20)
```

```
Epoch 1/20
391/391 [=====] - 10s 8ms/step - loss: 1.4174 -
accuracy: 0.4957
Epoch 2/20
391/391 [=====] - 3s 8ms/step - loss: 1.0123 -
accuracy: 0.6448
Epoch 3/20
391/391 [=====] - 3s 9ms/step - loss: 0.8276 -
accuracy: 0.7116
Epoch 4/20
391/391 [=====] - 3s 8ms/step - loss: 0.6942 -
accuracy: 0.7586
Epoch 5/20
391/391 [=====] - 3s 8ms/step - loss: 0.5532 -
accuracy: 0.8092
Epoch 6/20
391/391 [=====] - 3s 8ms/step - loss: 0.4068 -
accuracy: 0.8620
Epoch 7/20
391/391 [=====] - 3s 9ms/step - loss: 0.2735 -
accuracy: 0.9092
Epoch 8/20
391/391 [=====] - 3s 8ms/step - loss: 0.1595 -
accuracy: 0.9503
Epoch 9/20
391/391 [=====] - 3s 8ms/step - loss: 0.0982 -
accuracy: 0.9707
Epoch 10/20
391/391 [=====] - 3s 9ms/step - loss: 0.0589 -
accuracy: 0.9840
Epoch 11/20
391/391 [=====] - 3s 9ms/step - loss: 0.0483 -
```

```

accuracy: 0.9862
Epoch 12/20
391/391 [=====] - 3s 8ms/step - loss: 0.0545 -
accuracy: 0.9831
Epoch 13/20
391/391 [=====] - 3s 8ms/step - loss: 0.0512 -
accuracy: 0.9845
Epoch 14/20
391/391 [=====] - 3s 8ms/step - loss: 0.0515 -
accuracy: 0.9840
Epoch 15/20
391/391 [=====] - 3s 8ms/step - loss: 0.0386 -
accuracy: 0.9880
Epoch 16/20
391/391 [=====] - 3s 8ms/step - loss: 0.0264 -
accuracy: 0.9920
Epoch 17/20
391/391 [=====] - 3s 8ms/step - loss: 0.0313 -
accuracy: 0.9903
Epoch 18/20
391/391 [=====] - 3s 9ms/step - loss: 0.0362 -
accuracy: 0.9875
Epoch 19/20
391/391 [=====] - 3s 8ms/step - loss: 0.0371 -
accuracy: 0.9881
Epoch 20/20
391/391 [=====] - 3s 8ms/step - loss: 0.0303 -
accuracy: 0.9898

```

9. Let's build 2nd CNN model with RMSprop optimizer.

```

[73]: #Build 2nd model.
model = Sequential()
model.add(Conv2D(32,(3,3), activation='relu',padding='same',␣
    ↪input_shape=x_train.shape[1:]))
model.add(Conv2D(32,(3,3),padding='same', activation='relu'))
model.add(MaxPooling2D(pool_size=(2, 2)))
model.add(Flatten())
model.add(Dense(128, activation='relu'))
model.add(Dense(10, activation='softmax'))
model.compile(optimizer='rmsprop',loss='categorical_crossentropy',␣
    ↪metrics=['accuracy'])
model.summary()

```

Model: "sequential_4"

```

-----
Layer (type)                Output Shape                Param #
=====

```

conv2d_2 (Conv2D)	(None, 32, 32, 32)	896
conv2d_3 (Conv2D)	(None, 32, 32, 32)	9248
max_pooling2d_1 (MaxPooling 2D)	(None, 16, 16, 32)	0
flatten_4 (Flatten)	(None, 8192)	0
dense_8 (Dense)	(None, 128)	1048704
dense_9 (Dense)	(None, 10)	1290

```
=====
Total params: 1,060,138
Trainable params: 1,060,138
Non-trainable params: 0
-----
```

10. Let's fit 2nd CNN model with RMSprop optimizer.

```
[74]: #model fitting
result2=model.fit(x_train, y_train,batch_size=128, epochs=20)
```

```
Epoch 1/20
391/391 [=====] - 5s 8ms/step - loss: 1.5846 -
accuracy: 0.4351
Epoch 2/20
391/391 [=====] - 3s 7ms/step - loss: 1.1493 -
accuracy: 0.5977
Epoch 3/20
391/391 [=====] - 3s 7ms/step - loss: 0.9741 -
accuracy: 0.6600
Epoch 4/20
391/391 [=====] - 3s 7ms/step - loss: 0.8514 -
accuracy: 0.7041
Epoch 5/20
391/391 [=====] - 3s 8ms/step - loss: 0.7441 -
accuracy: 0.7412
Epoch 6/20
391/391 [=====] - 3s 7ms/step - loss: 0.6426 -
accuracy: 0.7748
Epoch 7/20
391/391 [=====] - 3s 7ms/step - loss: 0.5356 -
accuracy: 0.8144
Epoch 8/20
391/391 [=====] - 3s 7ms/step - loss: 0.4322 -
accuracy: 0.8518
```

```

Epoch 9/20
391/391 [=====] - 3s 7ms/step - loss: 0.3347 -
accuracy: 0.8860
Epoch 10/20
391/391 [=====] - 3s 8ms/step - loss: 0.2462 -
accuracy: 0.9192
Epoch 11/20
391/391 [=====] - 3s 7ms/step - loss: 0.1749 -
accuracy: 0.9427
Epoch 12/20
391/391 [=====] - 3s 7ms/step - loss: 0.1250 -
accuracy: 0.9595
Epoch 13/20
391/391 [=====] - 3s 7ms/step - loss: 0.0893 -
accuracy: 0.9715
Epoch 14/20
391/391 [=====] - 3s 8ms/step - loss: 0.0670 -
accuracy: 0.9789
Epoch 15/20
391/391 [=====] - 3s 7ms/step - loss: 0.0518 -
accuracy: 0.9834
Epoch 16/20
391/391 [=====] - 3s 7ms/step - loss: 0.0429 -
accuracy: 0.9865
Epoch 17/20
391/391 [=====] - 3s 7ms/step - loss: 0.0359 -
accuracy: 0.9888
Epoch 18/20
391/391 [=====] - 3s 7ms/step - loss: 0.0319 -
accuracy: 0.9901
Epoch 19/20
391/391 [=====] - 3s 8ms/step - loss: 0.0295 -
accuracy: 0.9907
Epoch 20/20
391/391 [=====] - 3s 7ms/step - loss: 0.0256 -
accuracy: 0.9923

```

11. Evaluate the two models by using two metrics, loss and accuracy.

```

[75]: #Evaluate the two models by using two metrics, loss and accuracy.
metrics = ['loss', 'accuracy']
#show the evaluation result by using matplotlib.
plt.figure(figsize=(10, 5))
#Use "For Loop".
for i in range(len(metrics)):
    metric = metrics[i]
    #set subplots to show the result
    plt.subplot(1, 2, i+1)

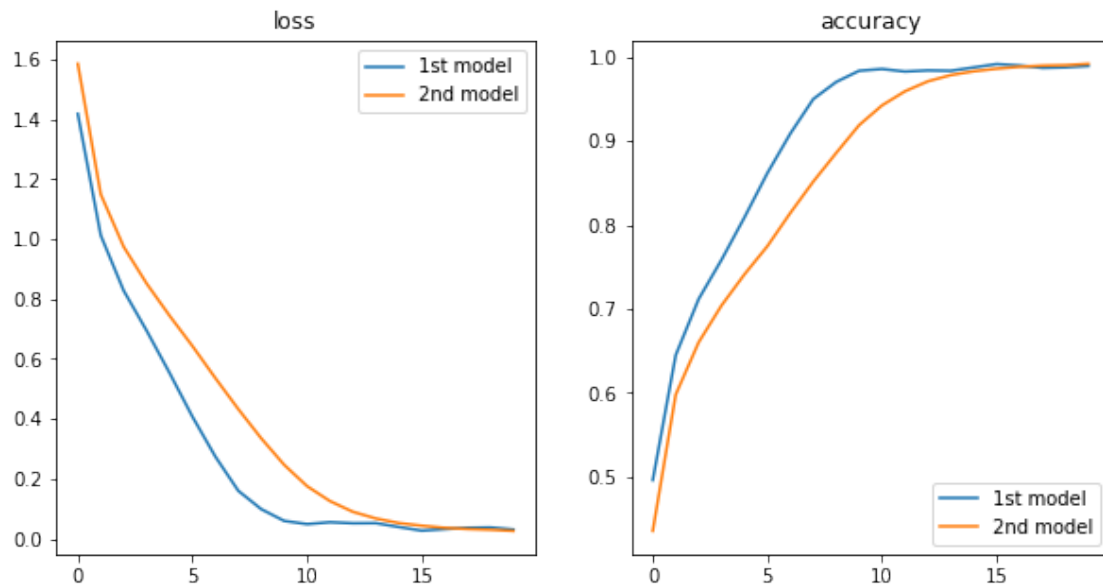
```

```

#Titles of subplots are "loss" and "accuracy"
plt.title(metric)
plt_result1 = result1.history[metric]
plt_result2 = result2.history[metric]

#plot them all
plt.plot(plt_result1, label='1st model')
plt.plot(plt_result2, label='2nd model')
plt.legend()
plt.show()

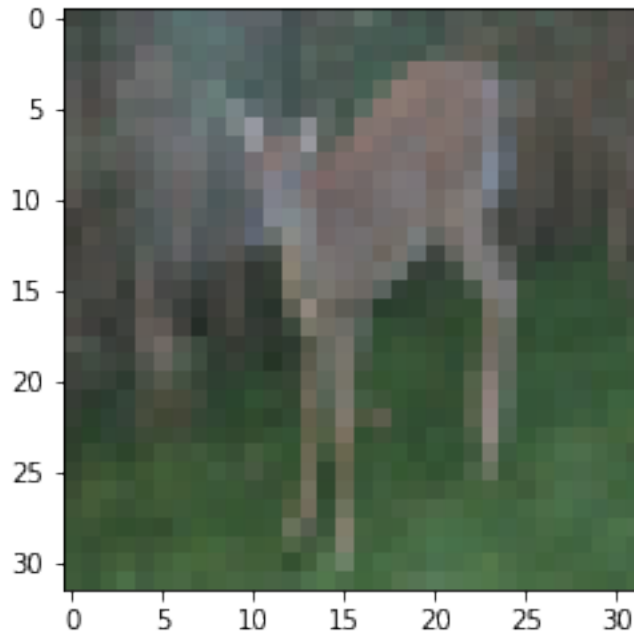
```



12. How to predict a single photo data?

```
[85]: plt.imshow(x_test[[94]].reshape(32,32,3))
```

```
[85]: <matplotlib.image.AxesImage at 0x7fd0b1d0a730>
```



```
[87]: #Let's predict.
prediction=model.predict(x_test[[94]])
prediction
```

1/1 [=====] - 0s 75ms/step

```
[87]: array([[5.4495813e-10, 1.7429439e-14, 5.3817666e-07, 8.2064522e-10,
          9.9994147e-01, 1.0437689e-05, 7.2080681e-08, 4.7344241e-05,
          3.6828391e-13, 2.0887301e-14]], dtype=float32)
```

```
[88]: names=["airplane","automobile","bird","cat","deer","dog","frog","horse","ship","truck"]
#Preparation for this prediction.
list1=[]
[list1.append(i) for i in range(26)]
list2=[]
[list2.append(i) for i in names]
dic = dict(zip(list1, list2))
#Let's check the result.
print("The answer is",dic[np.argmax(prediction)],"!")
```

The answer is deer !

13. Let's predict whole test data!

```
[89]: #Let's predict whole test data!
predictions = model.predict(x_test)
results = np.argmax(predictions,axis=1)
```



```
results = pd.Series(results, name="Label")
results.tail()
```

313/313 [=====] - 1s 2ms/step

```
[89]: 9995    8
      9996    6
      9997    5
      9998    1
      9999    7
      Name: Label, dtype: int64
```

vivsozob9

March 7, 2023

- 1 **Project 3 : Amazon reviews analysis.** This dataset consists of a few million Amazon customer reviews (input text) and star ratings (output labels) for learning how to train fastText for sentiment analysis.

```
[ ]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
```

```
[ ]: !pip install matplotlib==3.2.2
!pip install seaborn==0.10.1
```

```
[10]: df = pd.read_csv("C:/Users/Lenovo/Documents/Data Set/Amazon_Unlocked_Mobile.
↳csv",encoding = 'unicode_escape')
```

```
[11]: df
```

```
[11]:
```

	Product Name	Brand Name	Price \
0	"CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7...	Samsung	199.99
1	"CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7...	Samsung	199.99
2	"CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7...	Samsung	199.99
3	"CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7...	Samsung	199.99
4	"CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7...	Samsung	199.99
...
413835	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413836	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413837	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413838	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413839	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95

	Rating	Reviews
0	5	I feel so LUCKY to have found this used (phone...
1	4	nice phone, nice up grade from my pantach revu...
2	5	Very pleased
3	4	It works good but it goes slow sometimes but i...

```

4          4 Great phone to replace my lost phone. The only...
...      ...
413835      5          another great deal great price
413836      3                      Ok
413837      5          Passes every drop test onto porcelain tile!
413838      3 I returned it because it did not meet my needs...
413839      4 Only downside is that apparently Verizon no lo...

```

[413840 rows x 5 columns]

```
[12]: df.shape
```

```
[12]: (413840, 5)
```

```
[13]: df.head()
```

```

[13]:
          Product Name Brand Name Price \
0 "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
1 "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
2 "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
3 "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
4 "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99

      Rating      Reviews
0          5 I feel so LUCKY to have found this used (phone...
1          4 nice phone, nice up grade from my pantach revu...
2          5          Very pleased
3          4 It works good but it goes slow sometimes but i...
4          4 Great phone to replace my lost phone. The only...

```

```
[14]: df.tail()
```

```

[14]:
          Product Name Brand Name Price \
413835 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95
413836 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95
413837 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95
413838 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95
413839 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95

      Rating      Reviews
413835      5          another great deal great price
413836      3                      Ok
413837      5          Passes every drop test onto porcelain tile!
413838      3 I returned it because it did not meet my needs...
413839      4 Only downside is that apparently Verizon no lo...

```

```
[15]: df.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 413840 entries, 0 to 413839
Data columns (total 5 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Product Name    413840 non-null object
1   Brand Name      348669 non-null object
2   Price           407907 non-null float64
3   Rating          413840 non-null int64
4   Reviews         413778 non-null object
dtypes: float64(1), int64(1), object(3)
memory usage: 15.8+ MB

```

```
[16]: df.describe()
```

```

[16]:
           Price           Rating
count  407907.000000  413840.000000
mean      226.867155      3.819578
std       273.006259      1.548216
min        1.730000      1.000000
25%        79.990000      3.000000
50%       144.710000      5.000000
75%       269.990000      5.000000
max      2598.000000      5.000000

```

```
[17]: df.isnull().sum()
```

```

[17]: Product Name      0
      Brand Name    65171
      Price         5933
      Rating        0
      Reviews      62
      dtype: int64

```

```
[18]: df1 = df.dropna()
```

```
[19]: df1
```

```

[19]:
           Product Name Brand Name  Price \
0   "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
1   "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
2   "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
3   "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
4   "CLEAR CLEAN ESN" Sprint EPIC 4G Galaxy SPH-D7... Samsung 199.99
...
413835 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95
413836 Samsung Convoy U640 Phone for Verizon Wireless... Samsung 79.95

```

413837	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413838	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95
413839	Samsung Convoy U640 Phone for Verizon Wireless...	Samsung	79.95

	Rating	Reviews
0	5	I feel so LUCKY to have found this used (phone...
1	4	nice phone, nice up grade from my pantach revu...
2	5	Very pleased
3	4	It works good but it goes slow sometimes but i...
4	4	Great phone to replace my lost phone. The only...
...
413835	5	another great deal great price
413836	3	Ok
413837	5	Passes every drop test onto porcelain tile!
413838	3	I returned it because it did not meet my needs...
413839	4	Only downside is that apparently Verizon no lo...

[344508 rows x 5 columns]

```
[20]: df1.isnull().sum()
```

```
[20]: Product Name    0
      Brand Name     0
      Price          0
      Rating         0
      Reviews        0
      dtype: int64
```

```
[21]: df1 = df1.drop(["Product Name", "Brand Name", "Price"], axis=1)
```

```
[22]: df1
```

```
[22]:
```

	Rating	Reviews
0	5	I feel so LUCKY to have found this used (phone...
1	4	nice phone, nice up grade from my pantach revu...
2	5	Very pleased
3	4	It works good but it goes slow sometimes but i...
4	4	Great phone to replace my lost phone. The only...
...
413835	5	another great deal great price
413836	3	Ok
413837	5	Passes every drop test onto porcelain tile!
413838	3	I returned it because it did not meet my needs...
413839	4	Only downside is that apparently Verizon no lo...

[344508 rows x 2 columns]

```
[23]: df1.shape
```

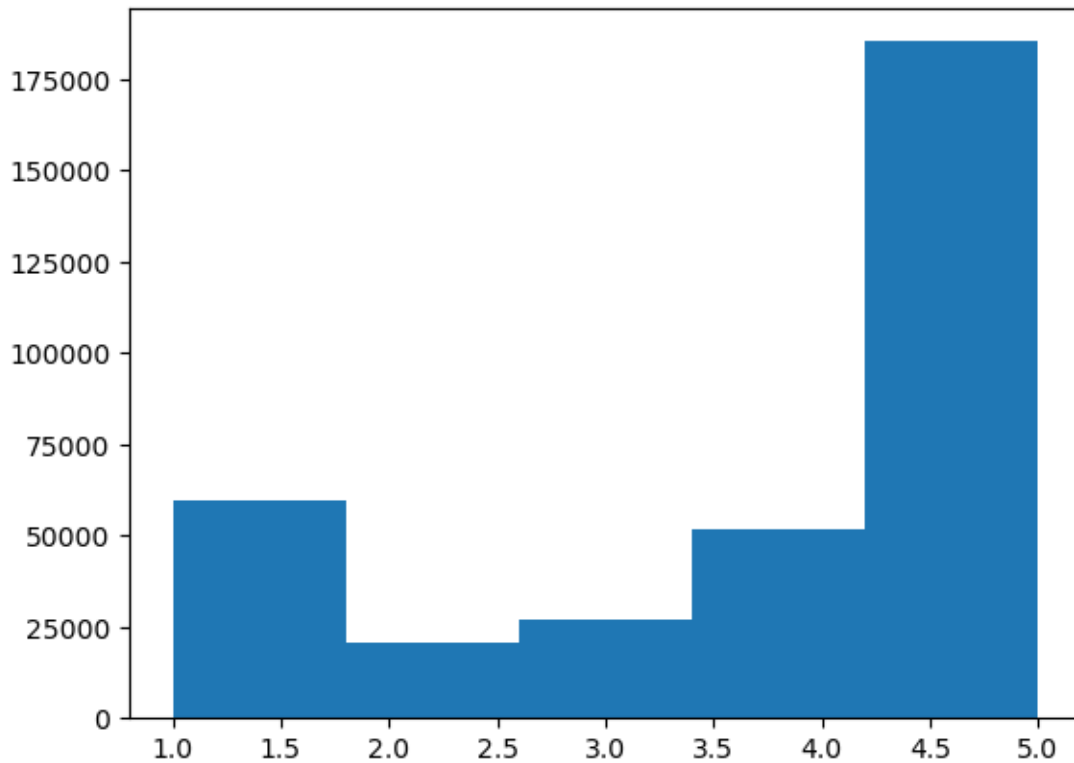
```
[23]: (344508, 2)
```

2 Exploratory Data Analysis (Data Visualization)¶

3 1.Histogram

```
[24]: import matplotlib.pyplot as plt  
plt.hist(df1['Rating'],bins=5)
```

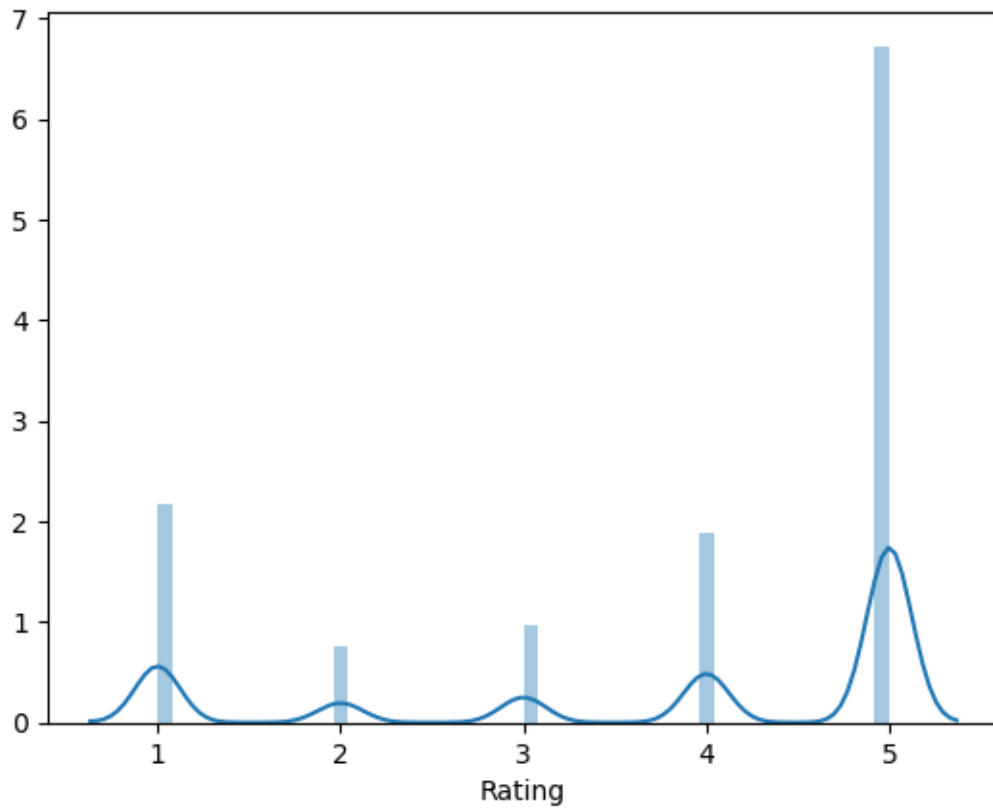
```
[24]: (array([ 59656.,  20777.,  26841.,  51922., 185312.]),  
      array([1. , 1.8, 2.6, 3.4, 4.2, 5. ]),  
      <a list of 5 Patch objects>)
```



4 2.Distplot

```
[25]: import seaborn as sns  
sns.distplot(df1['Rating'])
```

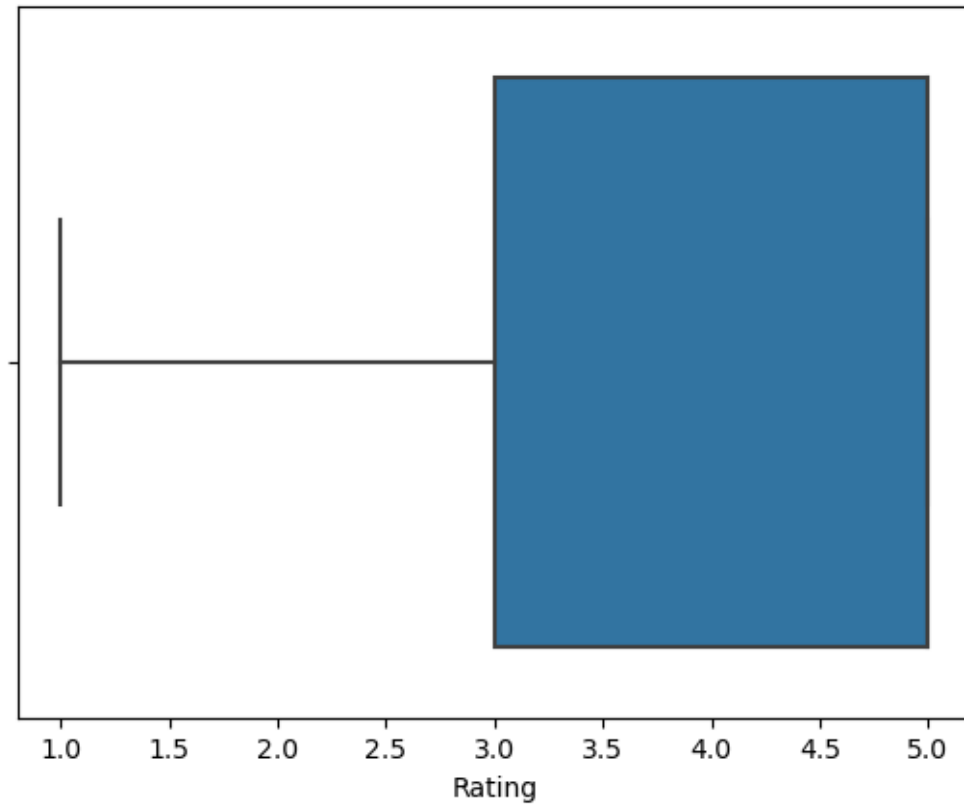
```
[25]: <matplotlib.axes._subplots.AxesSubplot at 0x16f382baa00>
```



5 3.Box Plot

```
[26]: sns.boxplot(df1['Rating'])
```

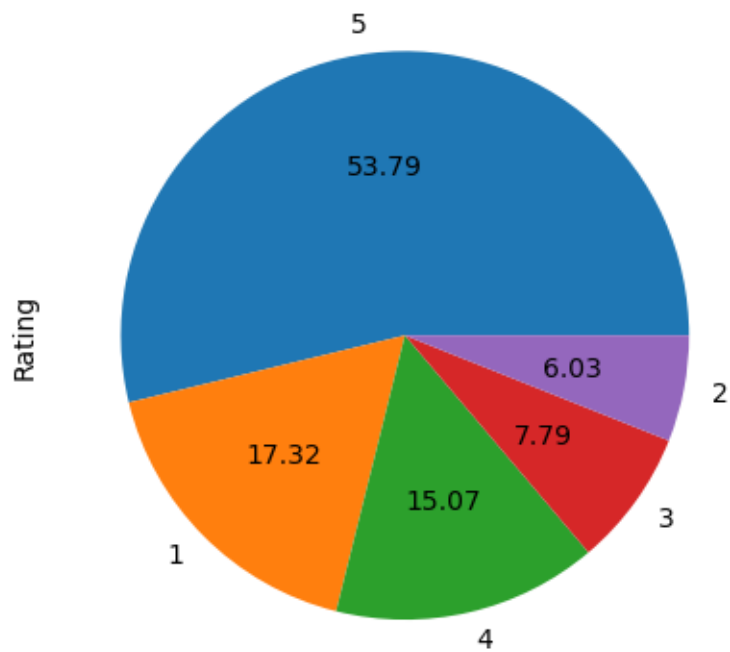
```
[26]: <matplotlib.axes._subplots.AxesSubplot at 0x16f389fbe20>
```



6 4.Pie Chart

```
[27]: df1['Rating'].value_counts().plot(kind='pie', autopct='%.2f')
```

```
[27]: <matplotlib.axes._subplots.AxesSubplot at 0x16f3976e040>
```

```
[28]: df1['Rating'].skew()
```

```
[28]: -0.9254007227261938
```

```
[29]: df1['Rating'].mean()
```

```
[29]: 3.819885169575162
```

```
[30]: df1['Rating'].median()
```

```
[30]: 5.0
```

```
[31]: df1.corr()['Rating']
```

```
[31]: Rating    1.0  
      Name: Rating, dtype: float64
```

```
[32]: df1.shape
```

```
[32]: (344508, 2)
```

7 Feature Extraction (Text Cleaning)

8 Remove upper case,punctuation,removes square bracket,removes numbers,removes stopwords,stemming and lemmatization

```
[33]: import nltk
      nltk.download('omw-1.4')
```

```
[nltk_data] Downloading package omw-1.4 to
[nltk_data] C:\Users\Lenovo\AppData\Roaming\nltk_data...
[nltk_data] Package omw-1.4 is already up-to-date!
```

```
[33]: True
```

```
[34]: import re
      import string
      import nltk
      nltk.download("stopwords")
      nltk.download('punkt')
      from nltk import sent_tokenize
      from nltk.stem.porter import PorterStemmer
      from nltk.corpus import stopwords
      from nltk.stem import WordNetLemmatizer
      import pandas as pd

      lemmatizer = WordNetLemmatizer()
      corpus_lemmatized = []

      for i in range(0, len(df1)):
          if i in df1.index:
              review = re.sub('[^a-zA-Z]', " ", df1["Reviews"][i])
              review = review.lower()
              review = re.sub('[.?!]', '', review)
              review = re.sub('[%s]' % re.escape(string.punctuation), '', review)
              review = re.sub('\w\d\w*', '', review)
              review = re.sub('[\'\"\"...]', '', review)
              review = re.sub('\n', '', review)
              review = review.split()
              ps = PorterStemmer()
              review = [lemmatizer.lemmatize(word) for word in review if not word in
↪set(stopwords.words("english"))]
              review = " ".join(review)
              review = sent_tokenize(review)
              corpus_lemmatized.append(review)
          else:
              print(f"Index {i} is out of bounds.")
```

```

KeyboardInterrupt                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_14132\2862416579.py in <module>
    24         review = review.split()
    25         ps = PorterStemmer()
---> 26         review = [lemmatizer.lemmatize(word) for word in review if not
    ↪word in set(stopwords.words("english"))]
    27         review = " ".join(review)
    28         review = sent_tokenize(review)

~\AppData\Local\Temp\ipykernel_14132\2862416579.py in <listcomp>(.0)
    24         review = review.split()
    25         ps = PorterStemmer()
---> 26         review = [lemmatizer.lemmatize(word) for word in review if not
    ↪word in set(stopwords.words("english"))]
    27         review = " ".join(review)
    28         review = sent_tokenize(review)

C:\ProgramData\Anaconda3\lib\site-packages\nltk\corpus\reader\wordlist.py in
    ↪words(self, fileids, ignore_lines_startswith)
    19         return [
    20             line
---> 21             for line in line_tokenize(self.raw(fileids))
    22             if not line.startswith(ignore_lines_startswith)
    23         ]

C:\ProgramData\Anaconda3\lib\site-packages\nltk\corpus\reader\api.py in
    ↪raw(self, fileids)
    217         for f in fileids:
    218             with self.open(f) as fp:
--> 219                 contents.append(fp.read())
    220         return concat(contents)
    221

C:\ProgramData\Anaconda3\lib\site-packages\nltk\data.py in __exit__(self, type,
    ↪value, traceback)
    1165
    1166     def __exit__(self, type, value, traceback):
-> 1167         self.close()
    1168
    1169     def xreadlines(self):

C:\ProgramData\Anaconda3\lib\site-packages\nltk\data.py in close(self)
    1194         Close the underlying stream.
    1195         """
-> 1196         self.stream.close()
    1197
    1198         # //////////////////////////////////////

```

KeyboardInterrupt:

```
[35]: corpus_lemmatized
```

```
[35]: [['feel lucky found used phone u used hard phone line someone upgraded sold one  
son liked old one finally fell apart year want upgrade thank seller really  
appreciate honesty said used phone recommend seller highly would'],  
['nice phone nice grade pantach revue clean set easy set never android phone  
fantastic say least perfect size surfing social medium great phone samsung'],  
['pleased'],  
['work good go slow sometimes good phone love'],  
['great phone replace lost phone thing volume button work still go setting  
adjust job eligible upgrade phone thaanks'],  
['already phone problem know stated used dang state charge wish would read  
comment would purchased item cracked side damaged good trying charge another way  
work requesting money back get money back signed unhappy customer'],  
['charging port loose got soldered needed new battery well later including cost  
purchase usable phone phone sold state'],  
['phone look good stay charged buy new battery still stay charged long trashed  
money lost never buy person'],  
['originally using samsung galaxy sprint wanted return back samsung epic g  
sprint really missed keyboard really liked smaller compact size phone still  
needed basic function smart phone e checking e mail getting direction text  
messaging phone powerful newer cell phone aware application install slower phone  
run likely freeze time time camera work great video great well even web browsing  
decent give need also notice battery life last little bit longer charging phone  
much quicker galaxy'],  
['battery life great responsive touch issue sometimes screen go black press top  
button several time get screen illuminate'],  
['fiance phone previously caused many problem course decided browse amazon  
replacement til contract far good'],  
['great product came two day ordering one little blemish side care long phone  
fully functional recommend product anyone reading'],  
['guy best little situation item quickly fixed issue pleased definitely buying  
another phon need one'],  
['really disappointed phone service phone went week ago instead handling issue  
first surfaced told stick phone dollar service using still received mailing  
label return item first purchase amazon rushing use smartphones business anytime  
soon thought getting deal seems like one lucked'],  
['ordered phone replacement model contract expires get new one seller  
confirmation said delivery could take day seller sent phone within hour  
receiving order phone next day phone look better described able transfer data  
old one new one problem highly recommend seller'],  
['phone loved working got phone one thing sd card slot open try access file  
managment even show computer card fine able open another phone trying trouble  
shoot'],  
['able get phone previously owned keyboard touch screen best phone love still
```

clean device service provider well worth'],

['brought phone replacement daughter hard cell phone must say great purchase phone work wonderful thank'],

['love phone everything need work great purchased four phone seller shipped amazon warehouse problem phone come micro sd card use camera got card problem getting activated sprint'],

['unfortunately sprint could activate phone due blocking issue phone matter handled well quickly satisfied service'],

['battery old used barely hold charge otherwise issue phone'],

['pro beautiful screen capable running chrome take good picture keyboard comfy fit pocket fit hand play really good video gamescons bluetooth came late run fast really quick doesnt play p video would still recommend like talk text lot like watch lot movie'],

['purchased phone december christmas present son called sprint activate phone find esn clear told come store upon research phone clear reached company inform esn clean told send phone back would send another phone asked representative provide esn could call make sure clear told phone available guaranteed would clear known something wrong received second phone turned clear esn representative sprint informed seller phone aware esn clear send another phone back asked refund phone shipping since sent two phone clear esn received refund phone yet see refund shipping suggest buy anything'],

['phone good little slow phone old great phone temporary right thank great deal'],

['phone speaker little low overall happy phone would purchase another cell phone chubbietech satisfied'],

['phone great good condition daughter happy andriod user'],

['reason star rating opinion better iphone tends randomly crash randomly power good storage space battery usage camera'],

['phone work great problem'],

['good condition work good'],

['good phone great screen resolution storage low need sd card anything may clear esn expect use thing like freedompop'],

['described fast ship'],

['perfect every way'],

['one phone bad charger port want send back'],

['got phone great phone easy use'],

['phone great gotten old time replacement great lasted'],

['phone came great condition great price brings back great memory owning phone'],

['met expectation complain great price'],

['phone working planning use whatsapp anyway oh problem change idiom'],

['excellent product perfect condition'],

['excellent'],

['excelente'],

['excelente'],

['like phone bought mom love'],

['came arabian keyboard'],

['love phone one problem one problem mic go mic take beating'],
 ['love'],
 ['practical user friendly phone satisfied'],
 ['sharp classy phone'],
 ['good'],
 ['gooddd'],
 ['shipped quickly exactly expected'],
 ['work wonderful price'],
 ['bought alternative smart phone data plan use go phone pay go plan phone
 function great radio music player good sound quality smart phone type feature
 easier faster use smart phone used software glitch documented nokia support site
 proved easily fixed even though many nokia based feature longer supported
 microsoft still use feature needed accessing web directly via wifi connection
 data want pay privilege launching site application although new nokia browser
 pretty spartan appearance fast run good stability big guy land large even size
 find full qwerty keyboard pretty easy use like programmable hot key screen
 shortcut keep launching item require data connection accident back lighting
 thorough even raised button tactile positive click response phone quirk airplane
 mode far tell flight profile seem able set broadcasting receiving function
 turned main navigation button mouse little small always respond expected might
 though would recommend phone vendor highly want feature smart phone need gps big
 data bill every month bunch thing need want keep life running smoothly'],
 ['muy buen producto'],
 ['phone trapped want simple phone get old school flip phone want something also
 work get blackberry somthing new even middle two another dimension nothing
 frustration phone'],
 ['excellent'],
 ['friend mentioned phone worth said thanks lot friend'],
 ['used unlocked gsm nokia asha philippine recently jan feb excellent problem
 functionality bought p sim card airport presto worked passed brother instant
 came back u visiting philippine soon easy use used smart phone w touch screen
 surprised worked w easily read instruction operate buy another one like
 definitely upgraded version nokia unlocked gsm phone'],
 ['excelente'],
 ['excellent phone youngest son walk reasonable option quality first'],
 ['excelente'],
 ['solid phone'],
 ['good choice'],
 ['perfect practical easy handle good resolution well packed'],
 ['excellent product right recommend'],
 ['excelente'],
 ['excelente'],
 ['nokia brand used telephone good price excellent team gift daughter liked easy
 use affordable price recommend'],
 ['first let say nokia user since first cell phone age ten year ago course one
 year ventured samsung land phone died back nokia went always enjoyed nokia phone
 second looking qwerty phone internet video mp playing capability asha fit strong

build dropped numerous time phone still intact like keyboard fan touchscreen get asha far sound think depends headphone earbuds produced loudness decibel made listening experience mediocre bought bud db loudness sound much better nokia xpress bit sucky downloaded opera browser phone work slightly better internet experience pretty easy get video game sn even pc reason use phone wish built antenna could listen radio without rds earbuds really great phone want move blackberry want pay much nokia asha great phone start edit october found gino cm section telescoping stainless steel fm radio antenna mm plug use playing radio speaker really enjoying phone sitting outside friend desk'],

['nokia asha unlocked gsm phone mp camera video qwertydependabletraditional nokia menu snot complicated like smart phone durableeasy use straighttalk internet wifi bluetooth'],

['solidly built unlocked phone update popular nokia c run software good bad good reception nice audio g support band mobile hspa refarmed pc band band keyboard pretty good firm nokia qwerty phone e g e comparable c keyboard one obviously world market since added european char symbol keypad wi fi work fine opera mini installed run without problem good way go bit web surfing tried e mail social client text messaging set normal box conversation mode ovi store app seem work well couple feature found appealing ability backup phone memory sd card ability lock keypad passcode either manually automatically set time battery fairly good sized bl j function key pad key assigned user defined short cut opinion worthy update g c quite league expensive e multi tasking software price around unlocked feature gsm g phone well worth considering long one know one getting non smart phone apps limited'],

['hola compramos do tel fonos vienieron totalente diferentes uno vino con la bater da ada se descarga de inmediato el otro tel fono vino sin la tarjeta de memoria los teclados cargadores son muy distintos mi yo no sentimos enga ada defraudadas'],

['cellphone easy using complete apps important contact people incorporated use wi fi connection satisfied purchased simple phone complete important'],

['gracias llego el procto que compre llevo en el momento indicado en un buen envalaje lo recomiendo sastifactoriamente'],

['freeze alot bought primarily playing back music instead bb great phone sm ring really loud body strong neat'],

['key little hard hit expect spanish keyboard overall good phone'],

['preface would considered smartphone united state nothing par android iphone window phone basically feature phone also although say u warranty warranty material came referenced latin american country sure really covered u warranty returned amazon return window issue phone review pro phone great keyboard familiar e series phone type keyboard interface sort modified symbian liked lot way style hardware attractive gray nice color camera pretty decent considering megapixels e mail adequate con start small issue work big problem ultimately made decide return phone onboard social network apps fully functional update facebook twitter status rest ovi store general poor app store phone able use many even old facebook app used old e used called snaptu facebook since renamed facebook everyone incompatible phone better apps ovi store browser mediocre barely passable also gps phone nokia ovi map incompatible bad always nokia

strength immediately eliminates phone smart phone said bought phone wife really needed phone text call could overlooked thing problem could overlook shabby flimsy piece metal supposed hold place standard sim card little piece metal barely attached phone would lock place hold sim card sim card would intermittently get lose inside phone constantly lose signal would take battery adjust sim card would work little ultimately repeat process way frustration worth bad basic phone call text e mail occasionally updating facebook twitter status phone lot potential because problem sim card holder however essentially unusable used nokia phone year use lumia personally really surprised nokia would sloppy job something important part hold sim card place waste'],

['received phone day ago put consumer cellular sim card ready go phone seems nice even though come close discovering thing large number ring tone built'],

['bought phone christmas present wanted something bit advanced nokia c purchased amazon want go way smartphone word good feature phone smartphone feature without touch screen red however favorite color went white one c silver find silver asha amazon week work great best wi fi feature give access web without purchasing data plan may want access personal email go facebook great calendar alarm clock text messaging camera missed received call feature c make keeper little bigger wider screen big fit pocket purse use nokia charger c await arrival purple phone skin right nokia phone since never let get better'],

['phone pretty good using lycamobile plan thing awkward bottom row letter compared phone device using blackberry trying type nokia always mistyping m n especially shift key need hit insert punctuation'],

['loved everything also look like touch phone make stylish yet classic'],

['solution want looking economic sophisticated price good choice product receive recommend'],

['phone excellent phone great price impressed feature phone would recommend anyone'],

['problem setting correct time nokia asha customer support nokia com accept inquiry asha phone product obsolete nokia customer support poor booklet came phone also poorly written'],

['good phone although seems small screen however capable performing basic function calling messaging web browsing social networking also wi fi capability'],

['long time user iphone finally got sick sold wanted simple phone going fit bill well texting interface nice intuitive battery life stellar connects internet fine check email case emergency look direction etc basically everything able smartphone without bell whistle physical keyboard quite nice o seems stable snappy thing like calendar todo memo etc backup snap insert sd card go setting back itunes want add music podcasts plug computer copy paste sd card done would buy phone definitely broke lost'],

['phone like nokia feature phone great value durability last phone buying one nokia c also great phone lasted year probably would kept going accidentally jumped pool pocket p phone basically update c sleek small full qwerty keyboard wi fi internet browsing best phone get looking functionality want throw hundred dollar smartphone data plan buyer aware smartphone looking anything like smartphone disappointed looking toy take pocket every couple minute tinker

around disappointed yes internet browser work well screen quite small good recreational browsing use look thing work fine also social network apps use know well work priority phone probably best choice go camera use speak quality camera important best choice potential negative see phone key really pretty small issue personally someone big hand see could annoying bought phone advantage owning smartphone longer battery life higher durability lower cost still good accomplishing need looking thing nokia definitely best way go'],

['love'],

['sorry took long reply review purchase month phone clone phone hong kong quality fair symbol match phone work think amazon boycott seller'],

['bought gift mum love strong durable phone good reception function well'],

['incredible phone splaniish language dont understand international version lost money'],

['bad'],

['good'],

['battery died le hour'],

['excellent product'],

['well'],

['cannot connect gsm network'],

['cell phone exceeded expectation user friendly everything work like said would price amazingly cheap feature enormous helpful'],

['pro work fine easy use heavy con apps android iphone bb'],

['went lot review different phone buying found phone pretty good problem far'],

['excelente'],

['say ok phone like keyboard language option korean chinese'],

['excelente'],

['phone work great look great shipped quiet quickly issue european charger purchase micro usb usb cable charge phone would download update system way'],

['ver good'],

['pretty capable durable texting phone unlocked advertised version received arabic key addition typical iso basic latin many symbol missing like'],

['excellent phone special function communicated social network excellent operational recommend excellent product'],

['buy feel like pretended toy hand want kid ok'],

['excellent phone adult recommend whatsapp internet app radio keyboard qwerty easy use display big visualiser funny'],

['enjoyed nokia c phone year tired needed update asha phone symbian simple goodness much higher quality set hardware screen sharper processor faster phone take nice clear picture pretty much good enough ring alert tone discreet professional internet mail stuff actually useable mobile g network requires little data stay connected minumal plan strangely cannot wifi yet receives signal insists using network data nothing probably setting menu toggled right setting anyway want phone text easily day battery convenient useable feature yet crack open crack pipe internet constanly asha style may get another one two future bet end run type practical phone'],

['exelente'],

['phone work great price although got ups ups guy dropped screen door big

door'],

['keeping mind sub phone generally advertised cheapest quad core phone landvo 1 turned good phone exceeded expectation research landvo seems new company 1 first model released march took risk although le huge risk buying april review available main thing looking powerful inexpensive phone price point battery life also major factor purchased phone basis phone price range time quadcore processor also sport mah battery largest battery price point available model lot thing immediately liked phone despite low resolution lack ip screen pretty crisp viewing angle decent battery life also good averaging two day average use full charge one day heavy use would usually put around range still bad also almost shocked build quality phone heavier name brand competition size class weighty solid feel side metal volume rocker power button creak everything fit together tightly fit finish top notch believe screen plastic glass however pro con plastic screen susceptible scratching however mean never worry cracked screen drop phone phone came screen protector prefitted phone additional one box included silicone case relatively simple also nice touch especially owing fact name brand phone unlikely third party support case however would recommended phone anyone time performance lackluster quadcore soc quite snappy however small mb ram suffering android wary purchasing phone le gb ram regretting point would freeze stutter even simplest task hammering text put forth best effort streamline system much possible keep running smoothly fact enough ram power android comfortably ready ditch phone something new completely changed tune however hesitate recommend phone heartbeat surprisingly landvo supported releasing official kitkat rom phone tech savvy boon kitkat actually streamlined google device mb ram run comfortably bit resource hog point figured nothing lose planning dumping phone anyways needle say flashing kitkat made world difference performance literally night day upgrading literally got rid lag experiencing phone quite fast would argue faster sero pro tablet running old venerable tegra processor demanding apps load quickly without stuttering animation smooth everything become joy use phone looking ridiculously cheap fast android phone good battery life good build quality one looking hand going compete totl phone measly expecting get perfectly usable phone almost throw away price noticed vendor selling 1 android already installed look like new stock phone upgraded tech savvy comfortable flashing phone make sure purchase one already installed love'],

['good product recomended need fast good looking good thank'],

['autistic son glory lol thank'],

['around good phone glitchy laggy fee problem storage small gb camera poor quality pretty certain buy galaxy camera install phone around pretty great phone'],

['problem taking phone straight talk phone came week thing like camera horrible trying get take picture picture clear'],

['delivery fast overall quality phone like price cheap good quality camera one feature use also durable screen damaged inch drop however suppose get pay month willing buy real phone lose terrible one'],

['perfect'],

['worked ok awhile every time tap back shuts'],

['great phone sone happy needed get extra micro sd card storage'],
 ['valid movilnet venezuela low memory bad camera low price great'],
 ['good excellent'],
 ['first got phone poor camera one day hit phone pencil turned immediately like
 phone whatsoever would recommend getting phone especially like take lot picture
 use lot apps storage also poor'],
 ['cheap fast'],
 ['phone work great charger outlet phone fixed one sent fall phone doesnt charge
 cost dollar charger fixed mess motherboard thats almost much phone'],
 ['good cell'],
 ['responsible seller excellent product'],
 ['muy bueno'],
 ['fino fino'],
 ['exelentes equipos en lenguaje criollo son una verdaderas nave'],
 ['good'],
 ['great price hate change lock screen wantand default wallpaper lockscreen'],
 ['got new phone loved phone android small limited would let set sd card want
 may upgrade new android heard work better figure using straight talk problem
 setting straight talk apn setting far want find better protection case found
 like hopefully make one phone'],
 ['like fm radio feature charge cradle switched back lg flip phone cost le best
 buyreception weak signal area good lg phone mobile networkbacklighting uneven
 keypad number really bright phone user manual small phone designed older people
 manual size phone fit small box shipping manual explain use button clear concise
 way get alarm repeat daily turning alarm would cancel alarm next day'],
 ['bouht phone year old mother macular degeneration love easy see big number
 dialing'],
 ['like ad love'],
 ['charger work parent started using cable directly phone'],
 ['family member zero interest learning anything tech year ago gave old mobile
 pre paid flip phone kept year backup phone perfect want learn anything else
 problem phone button small getting hard ordered put sim away went love lot extra
 stuff ever decides want learn love much larger button dead simple use want'],
 ['good quality phone'],
 ['work well mobile mobile close tower non mobile phone'],
 ['screen size good easy read sound could little louder okay setting little
 cryptic get job done extra key stokes really needed care way setup texting hit
 button twice get capital letter hit turn capital brand phone automatically
 capitalized first letter period one still good phone though worth money'],
 ['like th cellphone dad le year dad always type heavy labour work process
 always end destroying process well first impression recieved cellphone mail
 keypad really like number huge also display quite clear crispy simple understand
 problem adjusting new device fm radio need headphone work camera ok best
 plausible sd slot medium cannot play music video file dont show try search
 folder memory like led light alert notification plus ringtones pretty loud good
 pick aging parent'],
 ['really great phone visually impaired problem getting another one partner'],

['complicated expected terrible reception hard mom use frustrates'],
 ['internet'],
 ['phone reception poor incoming call'],
 ['nice phone easy read screen senior tech learning curve steep support jethro
 however made easy knowledgeable easy understand patient willing help would
 recommend phone so button good feature limited use telephone much le expensive
 tool life line'],
 ['sleek design easy use make phone really good large text plus'],
 ['husband love simple use large number simpler better'],
 ['reason gave star little hard elder person use'],
 ['even instruction book better ever senior need big print phone website page
 clearly tell u senior take instruction go place especially traveling computer
 readily hand remember laptop generation getting tablet often small otherwise far
 great love name ask brother jethro leaving'],
 ['phone purchased father really like feature price excellent deal took exactly
 month get everything working phone issue phone first unlocked phone consumer
 cellular manual came phone good thing manual match phone received lot help
 jethro jeffrey jethro godsend extremely helpful always cheerful voice called
 sent picture etc whatever took help issue even though obvious problem jethro end
 really like phone star jeffrey hope jethro realizes great employee'],
 ['work good g simple use frill'],
 ['simple sleek minimalist accepts sim perfect back phone nice matte finish
 pretty emerald green notification light cool alarm ringtones could improved
 limited space message stop accepting txts even adding sd card help programmed
 utilize message camera worse security footage even bother menu structure
 intuitive'],
 ['sound like water shuts call'],
 ['contacting jethro customer service couple key sticking speaking rep noticed
 breaking much told phone g likely work well area kind enough send g phone model
 sc one seems working fine far must say best customer service response solve
 issue'],
 ['new edition jethro sc v flip quad band unlocked gsm senior kid cell phone so
 emergency button large lcd large keypad nice phone easy operate cost friendly
 also light easily portable use micro sim save music photo'],
 ['everything great hard time getting old sim card work verizon hooked'],
 ['good phone year old dad wanted camera probably able deal iphone need memory
 card camera work though nice set speed dial'],
 ['bought phone supposedly able work straighttalk tracfone put tracfone sim card
 board bought buck straighttalk minute card discovered compatible straighttalk
 ther local wally world want least buck sim card kit work supposedly daughter
 worked hour called every available number good expert today high tech cheaper
 tracfone card available ask daughter take another try time job family take care
 another point way manual use download pdf print regular page otherwise reader
 strength magnifying glass recommend anyone particularly elderly people ready
 turn'],
 ['met expectation easy use gave gift veto elderly relative love'],
 ['bought phone year old aunt seems easy use would certainly recommend purchased

another brand senior phone price last week due quality phone screen'],
 ['received product'],
 ['good phone elderly people'],
 ['bought mom love'],
 ['searched unlocked flip phone old mobil longer work house look good capability
 second minisim need simplicity husband barely answer flip phone let alone use
 desire buy mini sim believe badly described manual bad english seems different
 phone'],
 ['sensitive track phone jethro easier read'],
 ['unhappy purchase first paid shipped received found staight talk would longer
 work att cell phone carrier area able send back pay postage happy ken'],
 ['computer programmer admit never made transition smartphone mainly sit
 computer everyday anyway need access smartphone apps use laptop besides screen
 tiny farsighted mean use smartphone going carry even item reading glass
 adventurous type biking motorcycling hang gliding scuba etc could find need
 assistance one risky adventure live alone might need get help car breakdown home
 injury situation bought one pre paid cell thought go problem solved kept pocket
 dialing see screen either worse thing battery would go dead every day since
 never used cell phone except emergency would always always forget charge prepaid
 work emergency phone jethro solved problem big screen clamshell inexpensive pre
 paid soooo much useful clamshell get pocket dialing big screen carry reading
 glass around actually using little taking todo note using calculator well great
 fm radio flashlight battery last week standby mode honestly used yet real
 emergency phone call yet placed several test call work great jethro took pre
 paid mobile sim problem running minute need cellphone throw backpack glove box
 case emergency plus inexpensive break lose biggie'],
 ['fast shipping accurate description'],
 ['phone unable maintain signal week usage tmobile network hope defected
 product'],
 ['great phone'],
 ['shortly return window closed stopped taking charge turn'],
 ['stopped working month happy phone'],
 ['defective product placed mobile sim card phone read recommend purchasing
 phone'],
 ['sound quality poor speaker phone'],
 ['great phone'],
 ['excelente'],
 ['phone met expectation dad loved enjoying'],
 ['may issue expectation mismatch one thing phone much smaller expected might
 think good thing many elderly hearing aid equipped people would work better
 physical dimension larger secondly time hold red button turning phone short year
 old mother law often turn phone hanging said phone work fine button number
 large'],
 ['bought elderly grandfather vocal everything get whether like like phone loud
 simple need glass use able sync'],
 ['needed older relative'],
 ['gift grandma south america loved thanks'],

['speaker garbage tell time military time'],

['bought phone elderly parent put sim card phone jethro worked problem dropped call would receive make phone call phone would hang person line asking refund carrier phone bar phone call took place'],

['great simple phone getting harder harder find want smartphone need phone elderly family member someone tech savvy great little phone gave four star though carrier recognize signature phone wound buy friendly phone phone work billed system would automatically charge smartphone extra bill since recognize signature giving military reuse'],

['granny use phone able use locking phone function without lock phone called people phone pocket lock easier phone would great'],

['good sound easily used senior end button also turn button elderly mom keep turning phone find another one would purchase purchase delivery scheduled'],

['really surprised phone fm radio flashlight so feature nice well mom'],

['nice big number everywhere simple'],

['ordered phone would work called company told due lack tower found odd since cell'],

['good hope phone senior reminiscent cordless house phone make easy use year old button light bright ringtone volume adjustable max loud enough anyone hearing problem though surprisingly call volume adjustable though louder previous verizon flip phone max volume set cricket service phone take mini sim card micro someone else stated buy another sim card micro ordered small mini sims original large card live u know people claiming phone work u paid ish phone would paid design functionality side note concerned grandmother would always accidentally hit so button phone disabled setting'],

['good'],

['thank'],

['easy use mother use well'],

['word wise check seller type service phone work technically challenged like learned something new unlocked unlocked mobile service carrier like sprint would helpful read product description purchasing seems like perfect phone senior apparently senior moment ordered'],

['sim card provider would work phone returning phone'],

['purchased phone parent difficulty small button phone thanks size button display squinting also love key raised menu layout also simple use programmable number make easy call frequently used number ringer volume good would buy'],

['little bit effort able familiarize phone using became intuitive came nice easy read booklet purchasing checked see web site inserted sim card charged battery took couple hour several problem first first cell phone much experience mistakenly set language portuguese figure luckily several online tutorial web site restored phone factory setting english able figure phone easily one thing figured use military time pm equal setting time pm setting happy phone hearing impaired able hear basic ring loud put pocket face keypad leg speaker come back even louder thing set table put face ring loud clear questioned using lanyard e mailed jethro company got right back confirmed small hole upper left side could accommodate lanyard removing back feeding lanyard hole looping around replacing back customer service nice answered question easy understand manner phone lock

pocket wont random dial need press asterisk screen say phone unlocked dial phone always accepts call without turning exactly simple phone looking returned several work went model use consumer cellular le expensive aarp discount get hour talk per month'],

['great simple use phone mother big button easy see use use one arm charge cradle great benefit easy setup good clarity get good signal'],

['bought mom late highest rated senior phone stopped working hated phone confusing operate menu function took chance one despite complaint read review problem addressed corrected longer difficult lock unlock key press lower left button couple second word locked come assume since say spanish set mom phone spanish second way directional key need try since mom got right away definitely good technology another complaint clock set military hr time well choose set hr phone easy set relief compared previous phone let face non senior probably set sometimes effort simplify phone take away button make harder navigate phone light weight ringer loud enough like cradle easier senior beat price worked well sim card negative side agree one complaint loud enough turned volume way afraid mom would able hear caller agreed give chance may exchange since hearing great back cover thin plastic afraid break removed wish alarm come senior phone slim picking one half price old one come close meeting requirement since senior hard hearing really need make louder'],

['returning product volume absolutely abysmal even maximum audible bought elderly mother way able hear anything phone marketed elderly disgrace'],

['simple use seem get tiem update'],

['phone number come daily spam call really annoying phone good'],

['perfect great inexpensive phone senior bright large backlit number clear control large number button light weight flash light gsm paid almost wanted one breath fresh air smart phone good battery life really lucked choosing might buy another one backup father tends misplace thing used giv mobile unlimited talk text mb data month contract'],

['good phone mom big number however setting somewhat confusing'],

['lock accidentally used screen small read text message easy use elderly person'],

['bought elderly mother pretty nice fairly easy use importantly large button fairly large display also easy add account couple negative so button nice feature fairly easy set prepared false alarm another issue phone display time hour system example pm extremely confusing mother bought phone last nov called jethro sometime dec regarding advised firmware update coming late dec early jan waited feb emailed told update fix time display issue expected march continue checking back support section website called emailed several time regarding issue told thing everytime fireware update coming month advised phone display time hour system'],

['bought phone grandma make receive call tried manual selection network also factory reset nothing happened'],

['good phone emergency number nice big easy use thank much'],

['work iwirless'],

['cyrillic surprize'],

['bought phone year old mother hearing impaired could hear well'],

['arrival phone charge frustrating'],
 ['look good advertised instruction easy follow key quite large fairly easy see'],
 ['dad love work great confusing bell whistle'],
 ['bad week bought could turn offnot worth hassle buy'],
 ['grandma love could bigger screen ringtones'],
 ['looking'],
 ['mom like kind change taken time effort get embrace versus old flip phone'],
 ['pro cradle nice lack camera cheaper snapfoncons reception terrible mobile phone work inside house except one apparently g phased expect reception get worse time time date set automatically seriously year unlike every phone button directly screen actually navigation button speed dial probably problem someone first phone drove nut fcc id phone might illegal use u poor manufacturing quality battery hard insert remove battery slightly big part supposed fit voice mail number programmed similar time date every phone ever picked setting network automatically review mentioned hangup button pressed longer second phone power easy accidentally'],
 ['stopped working month use'],
 ['placement button particular made confusing elderly father use tried numerous time get phone turn make simple call could get work longer charge come week fortunately cost much waste money'],
 ['bought phone simple option year old father like big button charging cradle phone feel cheap afraid break plastic piece pulling cover get battery sim card nstalled different sim card cricket wireless network store could get connected know sure something broken phone incompatibility reviewer saying connected lead think something wrong phone phone going back going try another brand'],
 ['giving star know durability everything else perfect say call quality good so speed dial direct dial work great quality phone good docking station issue issue direct charging still rate star everything else perfect'],
 ['real nice simple phone grandma'],
 ['basic feature necessary senior'],
 ['returned would read sim card'],
 ['great phone elderly familiar w cell phone number large easier see'],
 ['working'],
 ['year old mother partially blind easily read number phone great thing however phone support g therefore work microcell house since limited cell coverage house without microcell phone receive cell signal majority time'],
 ['loving'],
 ['love simple handset limited number feature find get trouble'],
 ['phone difficult unlock unlock phone need press unlock key time first press wake phone second press result message say press unlock key unlock third press unlocks phone easier method unlocking keyboard without disabling lock altogether buying phone someone elderly technology issue may lot difficulty using phone three unlock press done quick enough unlock sequence started unlock key pressed time phone locked instead unlocked difficult explain someone dexterity technology issue never heard phone difficult unlock hard believe easier method unlock phone however called customer support confirmed phone take unlock press

unlock phone alternative disable lock feature plus side so key work well require one unlock key so key programmed send text message call another thing note title phone indicates extra today however raised price yesterday saving hate company raise price tell going save paid black friday price lower normal price'],

['wish ring louder still heard ok hard hearing like everything louder easy work like lot button pushed accidentally might buy friend wondering compatible verizon one problem setting book say go setting tell get setting go left utton key push say phone book keep pushing arrow lead setting unlock phone set ring'],

['worked alright qccidetly pushed silent button wich explained miserable chinglish user guide completely stopped incoming call icound reset'],

['reviewing grandmother bill realized paying month jitterbug phone unlimited talk used minute month text never sent one bought phone add contract line plan month gave work great'],

['word wise check seller type service phone work technically challenged like learned something new unlocked unlocked mobile service carrier like sprint would helpful read product description purchasing seems like perfect phone senior apparently senior moment ordered'],

['sim card provider would work phone returning phone'],

['purchased phone parent difficulty small button phone thanks size button display squinting also love key raised menu layout also simple use programmable number make easy call frequently used number ringer volume good would buy'],

['great phone'],

['excelente'],

['phone met expectation dad loved enjoying'],

['may issue expectation mismatch one thing phone much smaller expected might think good thing many elderly hearing aid equipped people would work better physical dimension larger secondly time hold red button turning phone short year old mother law often turn phone hanging said phone work fine button number large'],

['bought elderly grandfather vocal everything get whether like like phone loud simple need glass use able sync'],

['needed older relative'],

['gift grandma south america loved thanks'],

['speaker garbage tell time military time'],

['bought phone elderly parent put sim card phone jethro worked problem dropped call would receive make phone call phone would hang person line asking refund carrier phone bar phone call took place'],

['great simple phone getting harder harder find want smartphone need phone elderly family member someone tech savvy great little phone gave four star though carrier recognize signature phone wound buy friendly phone phone work billed system would automatically charge smartphone extra bill since recognize signature giving military reuse'],

['sim card dose read point selling tablet phone work'],

['item worth money paid cant find put memory card screen clear blurred item suck'],

['good phone'],

['tablet really looking sim card work sd card never read charger cord broke

purchase another really upset product really surprise wanted tablet would thing'],

['charging battery screen wave interference point would use tablet charging returned tablet'],

['little ok use straighttalk unlimited plan g phone g sim lot chinese apps remove viewing angle screen best however look really sharp straight excellent quality picture video netflix poor camera text network reached friend android kitty kat use google apps voice search excellent decipher worn gravely southern accent every time work well great phone international travel pop european sim extra slot business phablet better camera would steal battery last day used phone surf use wi fi continuously need recharge often going kept used'],

['venezuela battery charger damaged venezuela warranty battery charger tablet'],

['tablet worked month giving trouble connect wifi play store access suck'],

['really nice daughter us everyday almost year still going strong love'],

['good'],

['thank best supply'],

['google play even though picture description say contacted e passion worse useless kept telling stupid stuff like install google play non existent app market obvious understand much english'],

['upset tablet work sending back replacing'],

['excellent'],

['great phablet general us'],

['great love everything'],

['liked language mandarin hk also cannot download apps android store'],

['got complete working scale model office little phone actually pretty accurate touch screen get fat finger hit one little tiny key keyboard probably bad phone someone kid hand say disappointed got yellow wanted color stock green got yellow drop one star also went put battery discovered phone rugged battery cover simply snap seal protect water splash minus another star bad smartphone take much space tankbag motorbike hiking bag keep zip top bag bluetooth keyboard mouse vnc like lot easier set'],

['arrived broken forgot send back'],

['phone worth money plastic flimsy phone hardly work trying return mine waste money'],

['like size phone whatever happened day supposed make thing smaller suppose day gone people needing watch youtube video p phone right size internal memory much desired also use micro sd card slot move apps know probably rooted accomodate must rooted install one app easier way like ota update something technically savvy would like install one app supposed smart phone quirk like phone use daily driver would intimidated mother nature speaker soft time work change review update able'],

['partial internet working indigi workin hope ok'],

['second sim card use activated phone contacted company still response currently research matter early rate cause phone two week'],

['little phone great compact easy use love michelleheraud'],

['little phone great compact easy use love michelleheraud'],

['little phone great compact easy use love michelleheraud'],
 ['hate sending back keep blinking want refund back'],
 ['lot nice feature touch response slow nice looking phone use phone one week
 write review sound volume poor'],
 ['buy work good price would extremely durable average person hvac break lot
 holster fault'],
 ['wonderful got son tends break extra without going hassle ordering thanks rate
 star'],
 ['job barely'],
 ['lasting longer oem'],
 ['crear product fast arrived'],
 ['good thing order pack poor quality already burned case'],
 ['work great'],
 ['look like original believe original whole lot cheaper'],
 ['work nice price bought many'],
 ['bought father little month ago able give today put phone holster phone held
 securely still original otterbox holster compared phone fit snugly holster
 basically otterbox piece hold phone place replacement holster allows phone slip
 barely bumped would loved return window passed'],
 ['great'],
 ['great value one us otterbox defender'],
 ['great buy service'],
 ['work great'],
 ['bought pack still first one seems working well broke hold phone without bulk
 leather flip case'],
 ['thick old one'],
 ['purchased pack week back broke third one today brittle slightly smaller need
 fit defender case last otterbox clip lasted year finally broke would recommend
 item'],
 ['clip break easily ok price'],
 ['fit advertised'],
 ['like number reviewer break holster every month otterbox good warranty
 honestly pain get lot knock offs main competitor even worse name mentioned like
 otterbox used three phone issue holster breakage decided give generic holster
 try one month using two back ups far issue appear look work well otterbox brand
 fraction cost break three buy three easier faster get replacement otterbox even
 mention competitor willing take chance go generic good choice july month later
 still using first one look like new work perfectly treat gently really happy
 thus far'],
 ['order every month husband phone brake clip thesis good price three help keep
 ordering every month fit case well clip belt without problem'],
 [],
 ['good product described'],
 ['seem original much lower price'],
 ['husband break otter box belt clip every month great get pack fit perfect
 otter box'],
 ['seems work fine'],

['look feel fit like original pressed china instead mexico complaint'],
 ['clearly knock first one snapped week couple buck unexpected'],
 ['anybody otterbox know belt clip break frequently clip last long brand name
 much better price fast shipment'],
 ['got two belt clip one functioner properly'],
 ['recomendado'],
 ['im happy new phone fast'],
 ['perfect design pity cannot use mobile network'],
 ['really nice phone working usa g g g'],
 ['good'],
 ['bad bad support google play store'],
 ['ok'],
 ['got cover plus adhesive protection film side'],
 ['excellent phone'],
 ['good phone top hardware relative low price'],
 ['like phone nice price sometimes get little hot thing like went factory mode
 day work bit phone great price'],
 ['put use beneficiary'],
 ['attractive phone work upon arrival would recommend'],
 ['phone work well supposed everything need make life easier easy use surf
 internet fast listen music take photo video many camera great taking photo video
 pretty clear dual front back camera sound quality loud low either however
 bluetooth pair bluetooth speaker want listen loud music phone enough need
 compare higher price phone user friendly beautiful lcd display best thing
 unlocked put two sim card standard sim micro sim great phone traveling different
 country also come everything need purchase accessory come usb cable charger wall
 charger screen protector clear flexible rubber case user manualoverall great
 phone great feature recommended glad test honest unbiased feedback opinion mine
 based experienced product'],
 ['phone unlocked phone support network phone g wcdma g quad band gsm network
 buy sim card buy gsm wcdma sim card buy cdma sim card support language phone
 english bahasa indonesia bahasa malaya burmese cestina deutsch espanola french
 italiano nederland portuguese vietnamese turkish greek russian hebrew arabic
 persian thai simplified traditional chinese service support network language use
 phone support two different sims card memory card put gig memory card supported
 internet phone fast g impressed speed phone clarity phone well made durable
 disappointed phone received phone cost free test try exchange honest unbiased
 opinion review juning cell phone'],
 ['cheap sending back'],
 ['bought replace samsung galaxy phone went beyond expectation work better
 samsung half price would def purchase'],
 ['niece hard phone sister spent ton money replacing phone year old right phone
 matter given opportunity try juning android phone passed along niece knew would
 perfect starting obvious look look alone amazing pink something different
 average phone get major carrier easily resembles samsung size button placement
 look uncool screen big important know phone easily connected home wifi set
 impressed speed quad core compatible iphone plus without price tag date android

many feature niece looking including front facing camera snapchat selfies plenty space download apps google play store get set dual sim phone niece travel country though importance extra sim card port amazing g wcdma g quad band gsm specific far phone compatible mobile worked issue lag straight away popped sim card keep mind g g speed way compatible g g lte service know company throttle data g gb hardly notice honestly noticed lag phone g g speed phone come charger earbuds screen protector silicone case tried samsung lightening charger around house fast charge phone ear bud pretty meh nothing amazing silicone case better nothing niece like clear show unique pink phone seems like provides better protection none sure find others since kind newer brand phone overall say great phone performs great price really beat kick get android phone iphone lover son wanting one junings come variety color maybe give another go receive item free exchange unbiased review however influence opinion way'],

['good wireless type phone price really cheap quality good phone already latest android system lollipop need lot spec phone tech phone end like phone work longer easy use work friendly user anyway one reason phone unlocked phone phone activate prepaid wireless network choice use either regular sim card micro sim additional advantage use phone country travel helpful way avoid roaming charge please watch video received product discount exchanged honest unbiased review reseller responsible opinion'],

['phone unlocked android mtk quad core rom gb mp camera dual sim quadband juning gsm gcellphone gold official fan juning phone got special prize phone really awesome wont regret phone function like branded phone really give good use feature phone like branded phone like phone camera camera really special clear capture picture another thing special selfie addict like definitely loved camera feature camera smile camera automatically capture image without touching button really cool consume hour taking picture first got phone charged hour used battery last long really good plus inside box includes charger headset phone protector screen protector really cool screen wide enjoyed watching movie video one thing wanted improve phone storage hope one thing another good extend memory phone putting memory card really love phone much recommend phone really cool considered best included branded phone regret buying phone really awesome receive product free exchange honest review'],

['received phone phone power take charge'],

['battery keep running charging pas'],

['slow worked fine however week charge diagnosis charging port defective could repaired may one received ended returning phone'],

['advertised unlocked compatible work sim card took store tried able get work either return frustrating experience'],

['worst phone ever bought month two freeze reset factory glitch black screen try load page even asked load charge slow battery life suck horribly launch justin beiber song randomly hang phone call stay locked snap countless picture video randomly pocket even password lock absolutely hate phone regret buying two one bought girlfriend work moment bought buy phone'],

['volume loud'],

['know phone carrier phone work mobile call call coming work maybe time signal terrible sad use pretty phone returning phone'],

['work arrived returned waste'],
 ['ok far'],
 ['amazing phone purchased came back week later bought friend really impressed
 phone super easy u e really sharp looking interested paying hundred thousand
 dollar phone function anyone could ever need highly recommend phone price
 amazing free shipping con would prime item took day get midwest also really like
 unverified purchase review given obvious plant imagine given phone exchange
 review actual purchase think cheapens integrity seller phone high enough quality
 speak phone earned two star review u cheesiness planted review actually give
 star review would buy phone something happened one thank amazon providing good
 product'],
 ['far phone activated happy performance waiting android upgrade hoping
 compensate headache'],
 ['g att g'],
 ['suburb mobile work smooth best android phone ever stunning design
 theinterface also easy functional come lollipop need interest rooting come pack
 practical feature appps go wrong buy solid brand made high quality material
 system'],
 ['product big peace sh ttt warning never buy ok let tell gps work phone burn
 every time u use min work anymore month sooo waste pour money lost leaste tell
 everyone buy chinese stufff trust great brand'],
 ['camera great great introductory smartphone price'],
 ['cool phone'],
 ['phone like market competition work great run smooth brat price'],
 ['spectacular phone hace good perfomance like muchos cheaper another famous
 celular shy'],
 ['good phone good qualty better camera night'],
 ['bought phone camera bit gb ram thought would blazing fat let tell phone
 absolutely worst camera even compare mcp let alone megapixel look grainy hate
 phone sell half price get rid heavy junk keep advertise'],
 ['phone good price right wifi good reach game run fast majority good design gps
 work ok como bad coverage g mobile operator prove rightconsthe sound leaf much
 desired badstill stable version andoid date seen working'],
 ['received phone phone power take charge'],
 ['battery keep running charging pas'],
 ['slow worked fine however week charge diagnosis charging port defective could
 repaired may one received ended returning phone'],
 ['advertised unlocked compatible work sim card took store tried able get work
 either return frustrating experience'],
 ['worst phone ever bought month two freeze reset factory glitch black screen
 try load page even asked load charge slow battery life suck horribly launch
 justin beiber song randomly hang phone call stay locked snap countless picture
 video randomly pocket even password lock absolutely hate phone regret buying two
 one bought girlfriend work moment bought buy phone'],
 ['volume loud'],
 ['know phone carrier phone work mobile call call coming work maybe time signal
 terrible sad use pretty phone returning phone'],

['work arrived returned waste'],
 ['ok far'],
 ['amazing phone purchased came back week later bought friend really impressed phone super easy u e really sharp looking interested paying hundred thousand dollar phone function anyone could ever need highly recommend phone price amazing free shipping con would prime item took day get midwest also really like unverified purchase review given obvious plant imagine given phone exchange review actual purchase think cheapens integrity seller phone high enough quality speak phone earned two star review u cheesiness planted review actually give star review would buy phone something happened one thank amazon providing good product'],
 ['like phone nice price sometimes get little hot thing like went factory mode day work bit phone great price'],
 ['put use beneficiary'],
 ['attractive phone work upon arrival would recommend'],
 ['phone work well supposed everything need make life easier easy use surf internet fast listen music take photo video many camera great taking photo video pretty clear dual front back camera sound quality loud low either however bluetooth pair bluetooth speaker want listen loud music phone enough need compare higher price phone user friendly beautiful lcd display best thing unlocked put two sim card standard sim micro sim great phone traveling different country also come everything need purchase accessory come usb cable charger wall charger screen protector clear flexible rubber case user manual overall great phone great feature recommended glad test honest unbiased feedback opinion mine based experienced product'],
 ['phone unlocked phone support network phone g wcdma g quad band gsm network buy sim card buy gsm wcdma sim card buy cdma sim card support language phone english bahasa indonesia bahasa malaya burmese cestina deutsch espanola french italiano nederland portuguese vietnamese turkish greek russian hebrew arabic persian thai simplified traditional chinese service support network language use phone support two different sims card memory card put gig memory card supported internet phone fast g impressed speed phone clarity phone well made durable disappointed phone received phone cost free test try exchange honest unbiased opinion review juning cell phone'],
 ['cheap sending back'],
 ['bought replace samsung galaxy phone went beyond expectation work better samsung half price would def purchase'],
 ['niece hard phone sister spent ton money replacing phone year old right phone matter given opportunity try juning android phone passed along niece knew would perfect starting obvious look look alone amazing pink something different average phone get major carrier easily resembles samsung size button placement look uncool screen big important know phone easily connected home wifi set impressed speed quad core compatible iphone plus without price tag date android many feature niece looking including front facing camera snapchat selfies plenty space download apps google play store get set dual sim phone niece travel country though importance extra sim card port amazing g wcdma g quad band gsm specific far phone compatible mobile worked issue lag straight away popped sim

card keep mind g g speed way compatible g g lte service know company throttle data g gb hardly notice honestly noticed lag phone g g speed phone come charger earbuds screen protector silicone case tried samsung lightening charger around house fast charge phone ear bud pretty meh nothing amazing silicone case better nothing niece like clear show unique pink phone seems like provides better protection none sure find others since kind newer brand phone overall say great phone performs great price really beat kick get android phone iphone lover son wanting one junings come variety color maybe give another go receive item free exchange unbiased review however influence opinion way'],

['good wireless type phone price really cheap quality good phone already latest android system lollipop need lot spec phone tech phone end like phone work longer easy use work friendly user anyway one reason phone unlocked phone phone activate prepaid wireless network choice use either regular sim card micro sim additional advantage use phone country travel helpful way avoid roaming charge please watch video received product discount exchanged honest unbiased review reseller responsible opinion'],

['phone unlocked android mtk quad core rom gb mp camera dual sim quadband juning gsm gcellphone gold official fan juning phone got special prize phone really awesome wont regret phone function like branded phone really give good use feature phone like branded phone like phone camera camera really special clear capture picture another thing special selfie addict like definitely loved camera feature camera smile camera automatically capture image without touching button really cool consume hour taking picture first got phone charged hour used battery last long really good plus inside box includes charger headset phone protector screen protector really cool screen wide enjoyed watching movie video one thing wanted improve phone storage hope one thing another good extend memory phone putting memory card really love phone much recommend phone really cool considered best included branded phone regret buying phone really awesome receive product free exchange honest review'],

['received phone phone power take charge'],

['battery keep running charging pas'],

['slow worked fine however week charge diagnosis charging port defective could repaired may one received ended returning phone'],

['advertised unlocked compatible work sim card took store tried able get work either return frustrating experience'],

['worst phone ever bought month two freeze reset factory glitch black screen try load page even asked load charge slow battery life suck horribly launch justin beiber song randomly hang phone call stay locked snap countless picture video randomly pocket even password lock absolutely hate phone regret buying two one bought girlfriend work moment bought buy phone'],

['volume loud'],

['know phone carrier phone work mobile call call coming work maybe time signal terrible sad use pretty phone returning phone'],

['work arrived returned waste'],

['ok far'],

['amazing phone purchased came back week later bought friend really impressed phone super easy u e really sharp looking interested paying hundred thousand

dollar phone function anyone could ever need highly recommend phone price amazing free shipping con would prime item took day get midwest also really like unverified purchase review given obvious plant imagine given phone exchange review actual purchase think cheapens integrity seller phone high enough quality speak phone earned two star review u cheesiness planted review actually give star review would buy phone something happened one thank amazon providing good product'],

['okay screen cracked day'],

['glad technology evolved much walkie talkie smartphone huge leap right thankful genius behind creation technology definitely made life easier still live without smartphone life ever talking smartphones got juning smartphone unlocked android lollipop phone inch screen size feature regular smartphone camera video sound recorder calendar clock music email fm radio flashlight etc full specification link<https://www.amazon.com/gp/aw/b-gyudmfy-ref-ya-aw-od-pi-ie-utf-psc-cool-phone-screen-resolution-clear-touch-screen-response-time-fast-camera-video-sound-work-well-since-already-unlocked-choose-whatever-carrier-want-buy-sim-use-phone-work-without-issue-make-sure-buy-gsm-wcdma-sim-card-one-favorite-feature-phone-smartwake-feature-tap-screen-turn-screen-also-like-fact-screen-size-big-enough-see-picture-video-clearly-read-text-without-difficulty-many-emerging-new-smartphones-market-nowadays-juning-smartphones-highly-competitive-term-size-feature-especially-price-looking-trustworthy-brand-look-juning-smartphones-direction-sold-qianhai-changing-plenty-model-choose-particular-model-juning-good-value-money-got-product-free-exchanged-honest-review/>'],

['happy got phone carry lot cool phone feature really like inch display size think perfect phone size half inch bigger phone yet weight find quit good still carry ever go bigger screen size totally see every thing clear like unlocked dual sim card memory card slot use regular sim size micro sim card find nice go country bring phone use right away need get gsm sim card u gsm sim card includes mobile cricket straight talk sprint cool phone support network g g support g alright phone four available color choose black gold pink white color like get plus phone built wifi blue tooth tethering portable hot spot need u worry connect internet go amazed phone exceeds expectation especially tried using camera really amazes clear nice picture plus volume phone good cannot ask happy glad ordered got phone hundred dollar price phone good bargain guy far good complains product totally recommend product friend family phone real nice received product free exchange honest unbiased review affiliated company phone free change affect thought product'],

['bought phone use traveling africa work great got lot compliment buy'],

['read review pretty straight forward phone may good price aggravation greater freeze langs point shut speaker ruined ever understand one word due static missing part charger screen protector upper top screen non responsive really think phone would pile junk dissappointed'],

['far son think great phone'],

['love sleek feel classy design white color beautiful definitely keep cover though sensitive fingerprint big deal generally interchange several cover regularly anyway also like phone dual sim mean use two sim card time also screen

well responsive picture video quality excellent big viewing screen resolution great thin relatively lightweight well made quality construction camera excellent easy use battery life good charge quickly overall nice product price well made would highly recommend product package includes x cellphone x battery x usb cable x charger x earphonei receive product discounted price exchange honest review opinion received compensation review required give good review also associated seller'],

['phone stay charge well started messing ordered issue ever phone'],

['love phone could buy another one would definitely buy'],

['eye candy phone hand candy must see person appreciate beauty phone love phone functioning volume button love phone case love design phone sleek slim fit easily purse come screen protector come jelly phone case pair great bluetooth speaker love connects well wifi give clean crisp screen every time phone look like cost five hundred dollar affordable love color pink new brand great brand looking something high end low price juning brand quality product love phone give freedom access facebook page twitter instagram social network might signed give freedom talk clear sound dropped call got product free discounted price unbiased honest review affect feel product love'],

['satisfied phone amazing feature offer price never go wrong phone cool feature similar popular expensive brand phone great spend lot satisfied product juning android unlocked phone exceeded expectation pretty impressive almost size iphone plus slim bulky want put pocket indeed pocket friendly phone phone user friendly mean easy use contain feature hard complicated use operate simply amazing unlocked dual sim smart phone really perfect u use gsm simcard want use phone back phone well whenever want travel another country one favorite feature phone voice search similar siri app iphones convenient feature type want search case feel lazy tired press voice search say want search voila automatically give result searching phone satisfied many way budget friendly phone like regret indeed happy highly recommended received phone free exchange honest review opinion review entirely unbiased dependent got item free hope find review helpful'],

['impressed model unlocked phone juning impressive getting android phone awesome great feature expensive phone work great wifi connection also work great using gsm sim card work smoothly fast processor unit quad core fastest cpu found expensive smartphones android provides performance stability update multiple sim card support hd voice calling device protection secures lost stolen device factory reset dual unlocked sim great person like small business business phone number always separated personal number mostly talk customer weekend spare time family another thing unlocked use compatible gsm network work great traveling different place talking camera surprisingly amazed even though mp front back really clear seems mp camera mp watching video listening music totally responsive without hang ups experience audio totally clear loud last least love wide touch screen screen wide crisp decent resolution slim thin lightweight slick product fast response soft touch really impressive affordable everyone using regular phone couple day really love way work appearance phone classy handy see image back cover rough surface good grip prevent dropping package includes model phone battery usb cable power adapter earphone phone color option

choose black gold pink white indeed impressive worth keep handle care highly recommended everyone searching affordable phone work great thank juning awesome product got free discounted price promotional period one deal blessed get test efficiency ass future buyer make easier others find review may helped well get anything get good feeling helped someone way required seller leave positive remark product thank taking time read review'],

['glad technology evolved much walkie talkie smartphone huge leap right thankful genius behind creation technology definitely made life easier still live without smartphone life ever talking smartphones got juning smartphone unlocked android lollipop phone inch screen size feature regular smartphone camera video sound recorder calendar clock music email fm radio flashlight etc full specification link<https://www.amazon.com/gp/aw/b-gyudmfy-ref-ya-aw-od-pi-ie-utf-psc-cool-phone-screen-resolution-clear-touch-screen-response-time-fast-camera-video-sound-work-well-since-already-unlocked-choose-whatever-carrier-want-buy-sim-use-phone-work-without-issue-make-sure-buy-gsm-wcdma-sim-card-one-favorite-feature-phone-smartwake-feature-tap-screen-turn-screen-also-like-fact-screen-size-big-enough-see-picture-video-clearly-read-text-without-difficulty-many-emerging-new-smartphones-market-nowadays-juning-smartphones-highly-competitive-term-size-feature-especially-price-looking-trustworthy-brand-look-juning-smartphones-direction-sold-qianhai-changing-plenty-model-choose-particular-model-juning-good-value-money-got-product-free-exchanged-honest-review>'],

['happy got phone carry lot cool phone feature really like inch display size think perfect phone size half inch bigger phone yet weight find quit good still carry ever go bigger screen size totally see every thing clear like unlocked dual sim card memory card slot use regular sim size micro sim card find nice go country bring phone use right away need get gsm sim card u gsm sim card includes mobile cricket straight talk sprint cool phone support network g g support g alright phone four available color choose black gold pink white color like get plus phone built wifi blue tooth tethering portable hot spot need u worry connect internet go amazed phone exceeds expectation especially tried using camera really amazes clear nice picture plus volume phone good cannot ask happy glad ordered got phone hundred dollar price phone good bargain guy far good complains product totally recommend product friend family phone real nice received product free exchange honest unbiased review affiliated company phone free change affect thought product'],

['phone pretty neat price impressive especially unlocked used carrier large sim card phone support g lte internet support g mean internet tad slower phone support g operates much like android google phone come contact feature quad core processor gb ram megapixel front camera megapixel back camera also includes dual flash one front one back pretty impressive wifi enabled run wifi home sim card currently available back phone flexible thin careful taking back small piece tape battery connector make sure battery charged use currently case available phone careful handling overall happy phone everything need affordable alternative shopping store expensive support many apps mobile hotspot youtube facebook email messaging bluetooth music pro affordability functionality wifi data used carrier huge screen front back flash quad core processor come screen

protector clear case large font options cons lack case accessory phone camera quality could improved support g would nice slight sound distortion using speaker way music would definitely repurchase perfect mother us phone work message facebook received item free exchange honest unbiased authentic review thoroughly tested product review take pride informing potential customer perk flaw product affiliation seller obligated leave positive review'],

['phone unlocked dual sim quad core juning android cellphone blue arrived good condition good packaging excited finally receive cell phone gift nephew back home received immediately began charge able start phone successfully operating system work perfectly necessary update make fast smooth operation camera powerful produce excellent picture built microphone good record audio clearly video record playback function seamless smooth also like size phone good solid feel weight cell phone came screen protector already installed additional screen protector package cell phone easy use especially like dual sim option work phone number separate personal number phone affordable look great love cell phone would absolutely recommend anyone received cell phone reduced discounted price exchange honest unbiased review'],

['phone look nice note equivilent hd screen o android unsure android x supported device light duty slightly flimsy case need careful taking could crack also come screen protector pre applied take plastic bit front screen protector good go software phone work fine wifi bluetooth sim signal spot sim card sd card great international phone plan going country camera work fine super high mp nothing worried phone main camera phone fast trouble running basic apps wifi like web browser facebook app basic game seem work fine well run without hitch downside see outside g lte capable great phone price would love get another one seller mother received item discounted price exchange honest unbiased review'],

['purchased phone gift pleased packaging purchase easy set prepaid sim card ready go battery last almost entire day beautiful clear even came case screen protector headphones beat brand new android price lot people confuse high end phone first glance bad'],

['worked well little however phone unable send receive picture message beginning weirder though phone receives add random camera app add sometimes random add home screen phone week outside return window longer charge absolute piece garbage waste money'],

['wrote positive review phone bit longer buy second daughter getting returned monday battery randomly drain even charger apps running also buy replacement battery regular customer amazon generally little complaint product waste money'],

['happy phone able get gh phone mobile year satisfied service phone foreign neither tmobile att able get faster internet slow often say cant open page say retry also screen phone began cracking within week phone good making phone call texting'],

['junk'],

['positive large screen good senior people cheap maybe ok people use phone quite often negative cover wcdma band u support gsm network u though say wcdma run quite slow slow entering character'],

['ordered two based review however disappointed work advertised especially

camera video functionality recommend returning'],

['phone pretty looking phone offer slim profile however still great battery length quality great really satisfied video sound phone offer say color phone one favorite feature tacky gold color appear cheap actually flat yet metallic look phone comfortable hold definitely heavy battery sim card slot sd slot easy access use beneficial swap battery often since mobile web many hour day often store photo file sd card work also flip sim card phone work well phone made thing convenient next favorite feature hot spot tethering tether often work home life live town internet slow turn tethering accomplish task faster used home wifi phone come preloaded apps quick load tab busy person run like feature lifesaver often swap back forth four apps use many internet page day long fast tab stop typing url incorrectly phone help personal work life phone hold signal better prepaid phone use battery life seems last longer well really enjoy phone enclosed video see feature phone would recommend phone received phone free reduced rate exchange honest opinion'],

['let begin saying wonderful cellphone impressed quality feature capability comparable leading smartphones io market today reasonable price opened box contained accessory need cellphone name usb charger manual battery pack headphone also extra case screen protector normally included buy cellphone love dual camera mp front mp back smartphone feature would want like camera messaging bluetooth capability wifi clock calculator wallpaper calendar email gps fm g download ton apps play store got white color love light thin downloads apps quickly responsive touchscreen well received smartphone discount honest unbiased review review completely based overall personal experience using product leave review help customer make good buying decision definitely would recommend cellphone excellent buy get package plus unlocked use gsm provider mention also dual sim card slot great coverage pleased new cellphone definitely awesome buy'],

['received phone impressed color cool never color blue phone give review used try good experience phone bright clear display really like thin frame light weight easy hold good quality super love love let talk making call phone clear high quality sound making receiving call love use good signal reception work great mobile prepaid simcard problem want connect internet free public wifi easy access downloaded apps amazon shopping messenger pandora farm hero super saga etc fast using phone camera dual camera dual flash mp front mp back clear make good quality picture perfect selfie dual simcard one slot regular simcard one slot mini simcard micro sd card bottom slot bluetooth easy pairing screen perfect watching movie video playing game purchased product discounted price exchange honest review overall phone great feature highly recommend satisfied juning unlocked smartphone problem review phone unlocked dual sim quad core juning android cellphone bluepackage came phone name brand juning model z x charger x manual x usb x case x headset x screen protector'],

['didnt offer clear concise instruction put sim card got bad eyesight put microsim sim slot tried remove tweezer phone wont power'],

['phone good daily use like calling texting social medium net surfing fast big inch screen making thing screen bigger easy read using mainly watching youtube son love using screen way bigger compared iphone c also came screen protector

clear case little gray color dual sim card phone also put sd card inside phone want expand memory downside phone lack internal space memory freely download anything want phone enough space right spare sd card use phone really wish nice phone like make gb memory space rather gb phone work expected price fair good size android phone especially like youtube watch video online'],

['updated review disappointed gave phone friend jamaica bought july send jamaica august phone working screen freeze matter done come back even month contact vender'],

['screen get stuck go black sometimes also slow'],

['must say impressed unlocked cell phone juning never unlocked cell phone really needed new phone old one several year old working well happy opened phone saw big clear display unlocked cell phone juning come cell phone battery phone case charger usb cable earphone also thin screen protector phone slim lightweight built well front back camera g fine mostly use wifi anyway camera one favorite thing phone take awesome clear bright picture cell phone stay charged long time even lot use love ton pre installed useless apps uninstall also charge top instead bottom like phone great like use phone charge great phone price would definitely recommend family friend received unlocked cell phone juning free exchange honest unbiased opinion way affect feel product review'],

['sooo glad finally new phone always problem old phone screen stop working old phone think year ofcourse already expected need new one finally got juning unlocked cell phone never hesitate purchasing would love try since first time unlocked phone arrived really impressed phone look nice screen big slim lightweight already screen protector phone casing worried find phone casing already included plus portable headset charger already complete set used verizon phone carrier see really work totally impressed work got g phone use wifi far like work okay see video provided see work rating one far nice reasonable price glad given opportunity review product free exchanged honest opinion'],

['got phone excited easy use smartphone good affordable price perform describe compared expensive brand name phone thing phone best price cant beat phone good traveler work gsm sim card around world travel home country quit often extra phone drop sim card must phone nice inch screen love pretty slim lightweight pretty bright high resolution screen touch screen responsive honestly think junning x better feature screen bigger camera great clear like love selfie beauty built edit picture right away put makeup blush eye shadow eye liner eye lash lip color face foundation selfie lover like phone apps like facebook playstore wechat whatsapp already downloaded phone really cool advance smartphone could ever find work thing galaxy phone price disclaimer receive product discounted price free exchange honest unbiased review review base honest opinion nothing price paid product'],

['first thing need phone set google account run play store already pre installed facebook whatsapp gmail install also app love storage hold gb enough space save picture video game etc unfortunately cellphone g still use internet phone sim card wifi work good g phone use sprint sim card phone company work area since i live town also use phone prepaid sim card decent phone work good affordable user friendly though compare phone high end phone still spot

difference price decent phone recommend phone disclaimer phone provided free test review review mine alone honest unbiased affect review receiving product free also rely review purchasing product believe honest review vital well hope help thank'],

['juning phone got dual sim phone unlocked g gsm android quad core color goldthe functionality phone similar android phone one affordable unlocked phone come charger usb port earphone user manual clear phone case piece paper note order use battery remove yellow film attached screen already screen protection scratch protection thin sheet like phone got test functionality find easy navigate default apps commonly use like facebook wechat whatsapp ect added facebook messenger youtube google chrome web browser even added netflix camera mostly use capture moment share family friend complain capture clearly battery wise fully charged first time watched one full movie like hour still little half battery able explore feature check email social networking got read label note come little film need remove order use battery size weight think perfect size screen heavy carry around gold color plus look sophisticated sleek wanna screenshots press button volume power button together g expect fast quick g connected wi fi connects pretty well impression price unlocked android phone pretty good go overseas need phone unlocked plug prepaid sim card perfect solution highly recommend carry phone charge enormously use overseas tried mobile sim work well got phone discounted price honest review based experience using help others looking affordable unlocked phone work like android phone expensive'],

['bought phone give gift friend called today informed phone working able use way exchange'],

['purchased phone delivered october use right away charged october turned one phone work one showing green robot screen sent email vendor see something got back yet screen picture photo'],

['item working'],

['work let seller checked averting phone shopping'],

['phone good slow freeze every second cant anything waist money would recomend anyone buy review give lie dont buy phone good look good'],

['lousy phone speaker work'],

['bought turned work opened back made sure right still work supposed new used found scratch cover'],

['didnt offer clear concise instruction put sim card got bad eyesight put microsim sim slot tried remove tweezer phone wont power'],

['phone good daily use like calling texting social medium net surfing fast big inch screen making thing screen bigger easy read using mainly watching youtube son love using screen way bigger compared iphone c also came screen protector clear case little gray color dual sim card phone also put sd card inside phone want expand memory downside phone lack internal space memory freely download anything want phone enough space right spare sd card use phone really wish nice phone like make gb memory space rather gb phone work expected price fair good size android phone especially like youtube watch video online'],

['bought phone give gift friend called today informed phone working able use way exchange'],

['purchased phone delivered october use right away charged october turned one
 phone work one showing green robot screen sent email vendor see something got
 back yet screen picture photo'],
 ['item working'],
 ['work let seller checked averting phone shopping'],
 ['phone good slow freeze every second cant anything waist money would recomend
 anyone buy review give lie dont buy phone good look good'],
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 found scratch cover'],
 ['bought phone give gift friend called today informed phone working able use
 way exchange'],
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 found scratch cover'],
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 diferent charge still worked'],
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 ['phone cheap month n already stopped working could download anything memory
 sucked waste time money phone'],
 ['like'],
 ['issue main one poor signal reception loos signal phone network signal'],
 ['really bad pay conection fee cel charge part work let charge phone buy
 diferent charge still worked'],
 ['worst phone ever find case fall crack able use tried sell one machine walmart
 even recognize device buy'],
 ['phone cheap month n already stopped working could download anything memory
 sucked waste time money phone'],
 ['like'],
 ['purchased phone gift pleased packaging purchase easy set prepaid sim card
 ready go battery last almost entire day beautiful clear even came case screen
 protector headphibes beat brand new android price lot people confuse high end
 phone first glance bad'],
 ['worked well little however phone unable send receive picture message
 beginning weirder though phone recieves add random camera app add sometimes
 random add home screen phone week outside return window longer charge absolute
 piece garbage waste money'],
 ['wrote positive review phone bit longer buy second daughter getting returned

monday battery randomly drain even charger apps running also buy replacement battery regular customer amazon generally little complaint product waste money'],

['happy phone able get gh phone mobile year satisfied service phone foreign neither tmobile att able get faster internet slow often say cant open page say retry also screen phone began cracking within week phone good making phone call texting'],

['junk'],

['positive large screen good senior people cheap maybe ok people use phone quite oftennegative cover wcdma band u support gsm network u though say wcdma run quite slow slow entering character'],

['ordered two based review however disappointed work advertised especially camera video functionality recommend returning'],

['phone pretty looking phone offer slim profile however still great battery length quality great really satisfied video sound phone offer say color phone one favorite feature tacky gold color appear cheap actually flat yet metallic look phone comfortable hold definitely heavy battery sim card slot sd slot easy access use beneficial swap battery often since mobile web many hour day often store photo file sd card work also flip sim card phone work well phone made thing convenient next favorite feature hot spot tethering tether often work home life live town internet slow turn tethering accomplish task faster used home wifi phone come preloaded apps quick load tab busy person run like feature lifesaver often swap back forth four apps use many internet page day long fast tab stop typing url incorrectly phone help personal work life phone hold signal better prepaid phone use battery life seems last longer well really enjoy phone enclosed video see feature phone would recommend phone received phone free reduced rate exchange honest opinion'],

['let begin saying wonderful cellphone impressed quality feature capability comparable leading smartphones io market today reasonable price opened box contained accessory need cellphone name usb charger manual battery pack headphone also extra case screen protector normally included buy cellphone love dual camera mp front mp back smartphone feature would want like camera messaging bluetooth capability wifi clock calculator wallpaper calendar email gps fm g download ton apps play store got white color love light thin downloads apps quickly responsive touchscreen well received smartphone discount honest unbiased review review completely based overall personal experience using product leave review help customer make good buying decision definitely would recommend cellphone excellent buy get package plus unlocked use gsm provider mention also dual sim card slot great coverage pleased new cellphone definitely awesome buy'],

['received phone impressed color cool never color blue phone give review used try good experience phone bright clear display really like thin frame light weight easy hold good quality super love love let talk making call phone clear high quality sound making receiving call love use good signal reception work great mobile prepaid simcard problem want connect internet free public wifi easy access downloaded apps amazon shopping messenger pandora farm hero super saga etc fast using phone camera dual camera dual flash mp front mp back clear make

good quality picture perfect selfie dual simcard one slot regular simcard one slot mini simcard micro sd card bottom slot bluetooth easy pairing screen perfect watching movie video playing game purchased product discounted price exchange honest review overall phone great feature highly recommend satisfied juning unlocked smartphone problem review phone unlocked dual sim quad core juning android cellphone bluepackage came phone name brand juning model z x charger x manual x usb x case x headset x screen protector'],

['phone pretty neat price impressive especially unlocked used carrier large sim card phone support g lte internet support g mean internet tad slower phone support g operates much like android google phone come contact feature quad core processor gb ram megapixel front camera megapixel back camera also includes dual flash one front one back pretty impressive wifi enabled run wifi home sim card currently available back phone flexible thin careful taking back small piece tape battery connector make sure battery charged use currently case available phone careful handling overall happy phone everything need affordable alternative shopping store expensive support many apps mobile hotspot youtube facebook email messaging bluetooth music pro affordability functionality wifi data used carrier huge screen front back flash quad core processor come screen protector clear case large font optionscons lack case accessory phone camera quality could improved support g would nice slight sound distortion using speaker way musici would definitely repurchase perfect mother us phone work message facebook received item free exchange honest unbiased authentic review thoroughly tested product review take pride informing potential customer perk flaw product affiliation seller obligated leave positive review'],

['phone unlocked dual sim quad core juning android cellphone blue arrived good condition good packaging excited finally receive cell phone gift nephew back home received immediately began charge able start phone successfully operating system work perfectly necessary update make fast smooth operation camera powerful produce excellent picture built microphone good record audio clearly video record playback function seamless smooth also like size phone good solid feel weight cell phone came screen protector already installed additional screen protector package cell phone easy use especially like dual sim option work phone number separate personal number phone affordable look great love cell phone would absolutely recommend anyone received cell phone reduced discounted price exchange honest unbiased review'],

['phone look nice note equivilent hd screen o android unsure android x supported device light duty slightly flimsy case need careful taking could crack also come screen protector pre applied take plastic bit front screen protector good go software phone work fine wifi bluetooth sim signal spot sim card sd card great international phone plan going country camera work fine super high mp nothing worried phone main camera phone fast trouble running basic apps wifi like web browser facebook app basic game seem work fine well run without hitch downside see outside g lte capable great phone price would love get another one seller mother received item discounted price exchange honest unbiased review'],

['didnt offer clear concise instruction put sim card got bad eyesight put microsim sim slot tried remove tweezer phone wont power'],

['phone good daily use like calling texting social medium net surfing fast big

inch screen making thing screen bigger easy read using mainly watching youtube son love using screen way bigger compared iphone c also came screen protector clear case little gray color dual sim card phone also put sd card inside phone want expand memory downside phone lack internal space memory freely download anything want phone enough space right spare sd card use phone really wish nice phone like make gb memory space rather gb phone work expected price fair good size android phone especially like youtube watch video online'],

['didnt offer clear concise instruction put sim card got bad eyesight put microsim sim slot tried remove tweezer phone wont power'],

['phone good daily use like calling texting social medium net surfing fast big inch screen making thing screen bigger easy read using mainly watching youtube son love using screen way bigger compared iphone c also came screen protector clear case little gray color dual sim card phone also put sd card inside phone want expand memory downside phone lack internal space memory freely download anything want phone enough space right spare sd card use phone really wish nice phone like make gb memory space rather gb phone work expected price fair good size android phone especially like youtube watch video online'],

['wish could give negative star based high rating customer purchased mother received charging cable loose device would accept charge even tried charging cable none worked device addition tried insert sim card old phone card fell slot fish needle task took long time finish customer may gotten really lucky purchase save money buy junk'],

['returned bother u make call text forget using carrier internet data outside wi fi really cute though'],

['phone slow defect'],

['android lollipop budget phone great keep pre installed apps minimum give need time list spec phone see product page tell nice looking phone smooth feature feel cheap camera awesome front rear facing camera screen clear responsive touch owned many phone functionality higher end phone without price tag actually le expensive deductible phone insurance policy give refurbished phone anyway checkout picture video detail user experience image two phone show juning white next iphone black comparison received product discount exchange honest review'],

['got juning phone day ago started using already complains phone everything work well downloaded music well built speaker super clear see hear video judge apps work perfectly fine also forget one thing ove thins phone also built torch flashlight app already use block certain place need light quality juning phone great could ask everything wrote seen video true everything say review based personal experience day using juning phone lastly personally recommend product family friend user friendly easy operate really great phone worth money well got phone free return honest unbiased review product writing experienced based experience using juning phone would like thank sophie also one kind'],

['phone arrived dead'],

['good phone easy break screen thing also full ad burn data plan wish way kill ad think part interface reset every two week ad eat memory phone nice phone many flaw'],

['bought phone unlocked gsm phone shipped africa phone never work waisted money'],

['phone would turn charge night'],

['needed replace cellphone cellphone year smart phone regular looked around studied found best low priced unlocked smart phone use wifi play game browse use cellphone strictly call text tried texting find work wonderfully call learn make receive call since first time used smart phone android tablet enjoy find android smartphone handy take want browse wifi away home used take tablet cellphone went combined one unit android cellphone tablet slow quad core o guess g ram limit fast go satisfied however bring lithium battery pack along plug smartphone battery get low want play game browse'],

['phone overall horrible'],

['wow best phone ever got case screen protector game show clear along nice camera best take picture outside u see better'],

['product delivery fast received day ordering disappointed product slow money worth brand gonna like real galaxy iphone gps locating direction doesnt work apps take load want basic phone call take picture phone good'],

['worked day died'],

['good devise recommend one waste money bought last week got found work unlocked locked'],

['phone slow defect'],

['android lollipop budget phone great keep pre installed apps minimum give need time list spec phone see product page tell nice looking phone smooth feature feel cheap camera awesome front rear facing camera screen clear responsive touch owned many phone functionality higher end phone without price tag actually le expensive deductible phone insurance policy give refurbished phone anyway checkout picture video detail user experience image two phone show juning white next iphone black comparison received product discount exchange honest review'],

['got juning phone day ago started using already complains phone everything work well downloaded music well built speaker super clear see hear video judge apps work perfectly fine also forget one thing ove thins phone also built torch flashlight app already use block certain place need light quality juning phone great could ask everything wrote seen video true everything say review based personal experience day using juning phone lastly personally recommend product family friend user friendly easy operate really great phone worth money well got phone free return honest unbiased review product writing experienced based experience using juning phone would like thank sophie also one kind'],

['phone arrived dead'],

['good phone easy break screen thing also full ad burn data plan wish way kill ad think part interface reset every two week ad eat memory phone nice phone many flaw'],

['bought phone unlocked gsm phone shipped africa phone never work waisted money'],

['phone would turn charge night'],

['needed replace cellphone cellphone year smart phone regular looked around studied found best low priced unlocked smart phone use wifi play game browse use cellphone strictly call text tried texting find work wonderfully call learn make receive call since first time used smart phone android tablet enjoy find android smartphone handy take want browse wifi away home used take tablet cellphone went

combined one unit android cellphone tablet slow quad core o guess g ram limit fast go satisfied however bring lithium battery pack along plug smartphone battery get low want play game browse'],

['phone overall horrible'],

['wow best phone ever got case screen protector game show clear along nice camera best take picture outside u see better'],

['product delivery fast received day ordering disappointed product slow money worth brand gonna like real galaxy iphone gps locating direction doesnt work apps take load want basic phone call take picture phone good'],

['worked day died'],

['good devise recommend one waste money bought last week got found work unlocked locked'],

['phone arrived dead'],

['good phone easy break screen thing also full ad burn data plan wish way kill ad think part interface reset every two week ad eat memory phone nice phone many flaw'],

['bought phone unlocked gsm phone shipped africa phone never work waisted money'],

['phone would turn charge night'],

['needed replace cellphone cellphone year smart phone regular looked around studied found best low priced unlocked smart phone use wifi play game browse use cellphone strictly call text tried texting find work wonderfully call learn make receive call since first time used smart phone android tablet enjoy find android smartphone handy take want browse wifi away home used take tablet cellphone went combined one unit android cellphone tablet slow quad core o guess g ram limit fast go satisfied however bring lithium battery pack along plug smartphone battery get low want play game browse'],

['phone overall horrible'],

['wow best phone ever got case screen protector game show clear along nice camera best take picture outside u see better'],

['product delivery fast received day ordering disappointed product slow money worth brand gonna like real galaxy iphone gps locating direction doesnt work apps take load want basic phone call take picture phone good'],

['worked day died'],

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['phone slow defect'],

['android lollipop budget phone great keep pre installed apps minimum give need time list spec phone see product page tell nice looking phone smooth feature feel cheap camera awesome front rear facing camera screen clear responsive touch owned many phone functionality higher end phone without price tag actually le expensive deductible phone insurance policy give refurbished phone anyway checkout picture video detail user experience image two phone show juning white next iphone black comparison received product discount exchange honest review'],

['got juning phone day ago started using already complains phone everything work well downloaded music well built speaker super clear see hear video judge apps work perfectly fine also forget one thing ove thins phone also built torch

flashlight app already use block certain place need light quality juning phone great could ask everything wrote seen video true everything say review based personal experience day using juning phone lastly personally recommend product family friend user friendly easy operate really great phone worth money well got phone free return honest unbiased review product writing experienced based experience using juning phone would like thank sophie also one kind'],

['phone pretty neat price impressive especially unlocked used carrier large sim card phone support g lte internet support g mean internet tad slower phone support g operates much like android google phone come contact feature quad core processor gb ram megapixel front camera megapixel back camera also includes dual flash one front one back pretty impressive wifi enabled run wifi home sim card currently available back phone flexible thin careful taking back small piece tape battery connector make sure battery charged use currently case available phone careful handling overall happy phone everything need affordable alternative shopping store expensive support many apps mobile hotspot youtube facebook email messaging bluetooth music pro affordability functionality wifi data used carrier huge screen front back flash quad core processor come screen protector clear case large font optionscons lack case accessory phone camera quality could improved support g would nice slight sound distortion using speaker way musici would definitely repurchase perfect mother us phone work message facebook received item free exchange honest unbiased authentic review thoroughly tested product review take pride informing potential customer perk flaw product affiliation seller obligated leave positive review'],

['phone unlocked dual sim quad core juning android cellphone blue arrived good condition good packaging excited finally receive cell phone gift nephew back home received immediately began charge able start phone successfully operating system work perfectly necessary update make fast smooth operation camera powerful produce excellent picture built microphone good record audio clearly video record playback function seamless smooth also like size phone good solid feel weight cell phone came screen protector already installed additional screen protector package cell phone easy use especially like dual sim option work phone number separate personal number phone affordable look great love cell phone would absolutely recommend anyone received cell phone reduced discounted price exchange honest unbiased review'],

['phone look nice note equivilent hd screen o android unsure android x supported device light duty slightly flimsy case need careful taking could crack also come screen protector pre applied take plastic bit front screen protector good go software phone work fine wifi bluetooth sim signal spot sim card sd card great international phone plan going country camera work fine super high mp nothing worried phone main camera phone fast trouble running basic apps wifi like web browser facebook app basic game seem work fine well run without hitch downside see outside g lte capable great phone price would love get another one seller mother received item discounted price exchange honest unbiased review'],

['purchased phone gift pleased packaging purchase easy set prepaid sim card ready go battery last almost entire day beautiful clear even came case screen protector headphibes beat brand new android price lot people confuse high end phone first glance bad'],

['worked well little however phone unable send receive picture message beginning weirder though phone receives add random camera app add sometimes random add home screen phone week outside return window longer charge absolute piece garbage waste money'],

['wrote positive review phone bit longer buy second daughter getting returned monday battery randomly drain even charger apps running also buy replacement battery regular customer amazon generally little complaint product waste money'],

['happy phone able get gh phone mobile year satisfied service phone foreign neither tmobile att able get faster internet slow often say cant open page say retry also screen phone began cracking within week phone good making phone call texting'],

['junk'],

['positive large screen good senior people cheap maybe ok people use phone quite often negative cover wcdma band u support gsm network u though say wcdma run quite slow slow entering character'],

['ordered two based review however disappointed work advertised especially camera video functionality recommend returning'],

['phone pretty looking phone offer slim profile however still great battery length quality great really satisfied video sound phone offer say color phone one favorite feature tacky gold color appear cheap actually flat yet metallic look phone comfortable hold definitely heavy battery sim card slot sd slot easy access use beneficial swap battery often since mobile web many hour day often store photo file sd card work also flip sim card phone work well phone made thing convenient next favorite feature hot spot tethering tether often work home life live town internet slow turn tethering accomplish task faster used home wifi phone come preloaded apps quick load tab busy person run like feature lifesaver often swap back forth four apps use many internet page day long fast tab stop typing url incorrectly phone help personal work life phone hold signal better prepaid phone use battery life seems last longer well really enjoy phone enclosed video see feature phone would recommend phone received phone free reduced rate exchange honest opinion'],

['let begin saying wonderful cellphone impressed quality feature capability comparable leading smartphones io market today reasonable price opened box contained accessory need cellphone name usb charger manual battery pack headphone also extra case screen protector normally included buy cellphone love dual camera mp front mp back smartphone feature would want like camera messaging bluetooth capability wifi clock calculator wallpaper calendar email gps fm g download ton apps play store got white color love light thin downloads apps quickly responsive touchscreen well received smartphone discount honest unbiased review review completely based overall personal experience using product leave review help customer make good buying decision definitely would recommend cellphone excellent buy get package plus unlocked use gsm provider mention also dual sim card slot great coverage pleased new cellphone definitely awesome buy'],

['received phone impressed color cool never color blue phone give review used try good experience phone bright clear display really like thin frame light

weight easy hold good quality super love love let talk making call phone clear high quality sound making receiving call love use good signal reception work great mobile prepaid simcard problem want connect internet free public wifi easy access downloaded apps amazon shopping messenger pandora farm hero super saga etc fast using phone camera dual camera dual flash mp front mp back clear make good quality picture perfect selfie dual simcard one slot regular simcard one slot mini simcard micro sd card bottom slot bluetooth easy pairing screen perfect watching movie video playing game purchased product discounted price exchange honest review overall phone great feature highly recommend satisfied juning unlocked smartphone problem review phone unlocked dual sim quad core juning android cellphone bluepackage came phone name brand juning model z x charger x manual x usb x case x headset x screen protector'],

['phone pretty neat price impressive especially unlocked used carrier large sim card phone support g lte internet support g mean internet tad slower phone support g operates much like android google phone come contact feature quad core processor gb ram megapixel front camera megapixel back camera also includes dual flash one front one back pretty impressive wifi enabled run wifi home sim card currently available back phone flexible thin careful taking back small piece tape battery connector make sure battery charged use currently case available phone careful handling overall happy phone everything need affordable alternative shopping store expensive support many apps mobile hotspot youtube facebook email messaging bluetooth music pro affordability functionality wifi data used carrier huge screen front back flash quad core processor come screen protector clear case large font optionscons lack case accessory phone camera quality could improved support g would nice slight sound distortion using speaker way musici would definitely repurchase perfect mother us phone work message facebook received item free exchange honest unbiased authentic review thoroughly tested product review take pride informing potential customer perk flaw product affiliation seller obligated leave positive review'],

['phone unlocked dual sim quad core juning android cellphone blue arrived good condition good packaging excited finally receive cell phone gift nephew back home received immediately began charge able start phone successfully operating system work perfectly necessary update make fast smooth operation camera powerful produce excellent picture built microphone good record audio clearly video record playback function seamless smooth also like size phone good solid feel weight cell phone came screen protector already installed additional screen protector package cell phone easy use especially like dual sim option work phone number separate personal number phone affordable look great love cell phone would absolutely recommend anyone received cell phone reduced discounted price exchange honest unbiased review'],

['phone look nice note equivilent hd screen o android unsure android x supported device light duty slightly flimsy case need careful taking could crack also come screen protector pre applied take plastic bit front screen protector good go software phone work fine wifi bluetooth sim signal spot sim card sd card great international phone plan going country camera work fine super high mp nothing worried phone main camera phone fast trouble running basic apps wifi like web browser facebook app basic game seem work fine well run without hitch

downside see outside g lte capable great phone price would love get another one seller mother received item discounted price exchange honest unbiased review'],

['purchased phone gift pleased packaging purchase easy set prepaid sim card ready go battery last almost entire day beautiful clear even came case screen protector headphones beat brand new android price lot people confuse high end phone first glance bad'],

['worked well little however phone unable send receive picture message beginning weirder though phone receives add random camera app add sometimes random add home screen phone week outside return window longer charge absolute piece garbage waste money'],

['wrote positive review phone bit longer buy second daughter getting returned monday battery randomly drain even charger apps running also buy replacement battery regular customer amazon generally little complaint product waste money'],

['happy phone able get gh phone mobile year satisfied service phone foreign neither tmobile att able get faster internet slow often say cant open page say retry also screen phone began cracking within week phone good making phone call texting'],

['junk'],

['positive large screen good senior people cheap maybe ok people use phone quite often negative cover wcdma band u support gsm network u though say wcdma run quite slow slow entering character'],

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['phone pretty looking phone offer slim profile however still great battery length quality great really satisfied video sound phone offer say color phone one favorite feature tacky gold color appear cheap actually flat yet metallic look phone comfortable hold definitely heavy battery sim card slot sd slot easy access use beneficial swap battery often since mobile web many hour day often store photo file sd card work also flip sim card phone work well phone made thing convenient next favorite feature hot spot tethering tether often work home life live town internet slow turn tethering accomplish task faster used home wifi phone come preloaded apps quick load tab busy person run like feature lifesaver often swap back forth four apps use many internet page day long fast tab stop typing url incorrectly phone help personal work life phone hold signal better prepaid phone use battery life seems last longer well really enjoy phone enclosed video see feature phone would recommend phone received phone free reduced rate exchange honest opinion'],

['let begin saying wonderful cellphone impressed quality feature capability comparable leading smartphones io market today reasonable price opened box contained accessory need cellphone name usb charger manual battery pack headphone also extra case screen protector normally included buy cellphone love dual camera mp front mp back smartphone feature would want like camera messaging bluetooth capability wifi clock calculator wallpaper calendar email gps fm g download ton apps play store got white color love light thin downloads apps quickly responsive touchscreen well received smartphone discount honest unbiased review review completely based overall personal experience using product leave

review help customer make good buying decision definitely would recommend cellphone excellent buy get package plus unlocked use gsm provider mention also dual sim card slot great coverage pleased new cellphone definitely awesome buy'],

['received phone impressed color cool never color blue phone give review used try good experience phone bright clear display really like thin frame light weight easy hold good quality super love love let talk making call phone clear high quality sound making receiving call love use good signal reception work great mobile prepaid simcard problem want connect internet free public wifi easy access downloaded apps amazon shopping messenger pandora farm hero super saga etc fast using phone camera dual camera dual flash mp front mp back clear make good quality picture perfect selfie dual simcard one slot regular simcard one slot mini simcard micro sd card bottom slot bluetooth easy pairing screen perfect watching movie video playing game purchased product discounted price exchange honest review overall phone great feature highly recommend satisfied juning unlocked smartphone problem review phone unlocked dual sim quad core juning android cellphone bluepackage came phone name brand juning model z x charger x manual x usb x case x headset x screen protector'],

['good'],

['good'],

['excellent seller recommend'],

['good'],

['according spec phone supposed work track phone sim card'],

['clarification please contact u'],

['sounded like person called water'],

['phone huge fit pocket poor instruction figure turn light also phone work sim card work phone total waste money u use'],

['used much seems work well battery last long time'],

['get father law since mother law say say hear ringtone complain loud good hear love much finally complain hear anymore complain loud hahaha'],

['allow transfer contact'],

['ring talk low use mind'],

['good'],

['according spec phone supposed work track phone sim card'],

['clarification please contact u'],

['sounded like person called water'],

['phone huge fit pocket poor instruction figure turn light also phone work sim card work phone total waste money u use'],

['used much seems work well battery last long time'],

['get father law since mother law say say hear ringtone complain loud good hear love much finally complain hear anymore complain loud hahaha'],

['allow transfer contact'],

['ring talk low use mind'],

['good'],

['according spec phone supposed work track phone sim card'],

['clarification please contact u'],

['sounded like person called water'],

['phone huge fit pocket poor instruction figure turn light also phone work sim
 card work phone total waste money u use'],
 ['used much seems work well battery last long time'],
 ['get father law since mother law say say hear ringtone complain loud good hear
 love much finally complain hear anymore complain loud hahaha'],
 ['allow transfer contact'],
 ['ring talk low use mind'],
 ['good'],
 ['according spec phone supposed work track phone sim card'],
 ['clarification please contact u'],
 ['sounded like person called water'],
 ['phone huge fit pocket poor instruction figure turn light also phone work sim
 card work phone total waste money u use'],
 ['used much seems work well battery last long time'],
 ['get father law since mother law say say hear ringtone complain loud good hear
 love much finally complain hear anymore complain loud hahaha'],
 ['allow transfer contact'],
 ['ring talk low use mind'],
 ['im loving phone love color pleasure business thank'],
 ['love phone really worth amazon efficient keep good work please change'],
 ['bought phone factory refurb arrived plugged charge splash screen came great
 thought walked away looked hr later check progress nothing changed status bar
 nothing first indication trouble unplugged plugged unplugged plugged status bar
 came cool feature phone give audible alert battery full witch get turn hold
 button wait splash screen wait see initializes take back take battery start
 usually time phone would initialize first figured consequence battery completely
 dead nope go every time phone turned returned day warranty seller sent new phone
 great well get new phone past splash screen matter far feature get first phone
 work music player really pretty nice built speaker sound great phone touch
 screen responsive phone feel great hand wifi pretty cool bad see anything screen
 direct sunlight headphone jack proprietary lot apps mean even facebook app
 essentially bookmark fb webpage price point expecting iphone seriously phone
 left lot desired opinion phone po star phone working nicely worked star feature
 star music player sounding great bother'],
 ['like wide screen perfect watching video playing game usually leave review
 many week using phone post late love unlocked dual simcard picture quality
 decent clear cellphone feature great high resolution use phone anywhere country
 use phone outside country unlocked phone affordable feel like similar samsung
 side phone noticed use much battery stay full even use great phone price hurt
 buy try disclaimer got phone free return unbiased review'],
 ['start saying really like phone love screen use screen really hard go back
 smaller currently received phone however mine lacking one feature need available
 hotspot tethering feature line work often end place wifi tends make thing
 difficult since computer often tethering feature allows put computer internet
 wifi available long least one bar signal tested love feature much screen size
 really easy turn well phone need use daily already preset phone capable taking
 screenshots still many phone offer option feature use least time day often

listen music love youtube readily available home screen phone come built radio app radio app greatest complain radio available everyday day long phone also google play store preinstalled allows add music apps pandora google play store allows download game video sort apps many free charge travel lot evening hour find using flashlight often however ever tried opening door holding key phone flashlight ya hard phone preloaded torch app flashlight picture another feature use daily work also take lot picture personal life front rear facing camera rear flash phone come preloaded cool app special feature editing photo including smart shot beauty app forget mention clock calendar calculator apps often rely phone alarm clock road use calendar daily remember appointment calculator app also high important constantly dealing money phone come dual sim card slot love idea used anywhere world also unlocked phone put almost carrier use prepaid carrier another bonus put micro sd card expand memory overall phone great phone actually suited need daily basis picture sound quality good pick wifi range lot phone past come ready used packed securely package discreet would recommend phone received phone free discounted price exchange honest opinion'],

['unlocked dual sim cell phone hd display android quad core gsm quadband order last week always arrive time seller nice responsive time say perfect like taking picture far one best didnt problem perfect fit like tablet phone combine together even big fit pocket bag wide screen phone perfect watching movie movie clip youtube percert wide screen always use taking pic love big lense take picture good even selfie realy good like travel like always go back visit country phone perfect actualy juning phone unlocked phone use diffrent country using gsm wcdma save alot money becouse dont need use line phone country visit like visit country bring phone use use network sim card use phillippines open line contract locked one two carrier realy nice phone always order juning phone never failed im always amaze thier phone use spare phone gift kid surely reccomend phone family friend love phoneheres feature detail phone cellphone unlocked dual sim android lollipopcpu mtk quad core ghz processor gpu mali hd ip display dual camera front camera mp back camera mpram gb internal memory rom mb support wi fi bluetooth mm audio jack fm radio mp player mp player micro sd slot gb g wcdma g quad band gsm network please buy gsm wcdma sim cardspecificationband g gsm mhz g wcdma mhzsim card dual sim card dual standby one micro sim card service provide unlockedstyle barcolor whiteos android cpu mtk quad core ghz gpu mali rom gbram mbdisplay size inchtype tft capacitive touch screenresolution x pixelsdata transfer usb bluetoothmobile internet wap wificamera picture resolution dual camera mp front camera mp back cameratv nogps nojava nowifi yes b g nbluetooth bluetooth gravity sensor yesmulti touch yesother feature g wifi gps fm bluetooth email messaging wallpaper calendar calculator clock camera play store tethering portable hotspot etcpackage included x cellphone x battery x usb cable x charger x earphonefor design graphic clear phone impresive got white one realy elegant alot free stuff included packaged useful phone'],

['juning smartphone c color goldsize wanting new smartphone bigger screen size compared right feel lucky one come manual battery charger usb earphone clear casing fit right bulky juning unlocked smartphone c exceeded expectation phone well made look expensive since love take selfie immediately tried camera front

back impressed low expectation mp camera front back thought camera quality resolution bad say wrong picture quality decent clear take good selfies video super love take selfies anywhere go plus using camera selfie phone download picture editor camera etc come already ready use simple take selfie click makeup bottom right side screen holla yah go beautify without downloading apps saved memory storage like also smartphone light carry around said leave ipad home carry juning smartphone c size like phone tablet time cool small hand like need use hand using juning smartphone unlocked phone use gsm wcdma sim card compatible cdma sim card aware buy sim card good roaming sim card number use sim card text call family back home ph phone nice clear look like hd phone storage gb gb slot memory card storage memory thinking buying bigger memory card like gb worry getting low memory specially storing picture apps phone sound clear make enjoy listening music regard battery life probably last long use constantly full brightness experienced phone full since morning go work using phone got home pm still battery life without using much really bother since one power bank time case need want stretch battery life longer always lower brightness display must say use much phone may consider buying extra battery power bank juning also power bank portable external battery charger smart charger technology affordable price check using phone often using facebook instagram listening music watching video course taking selfies picture sometimes app crashed natural old phone even ipad crashed problem also sometimes seems phone freezing slow problem anymore search mr google make android phone faster boom problem solved play game right time moment rate part using phone connecting wifi fast easy downloading apps problem overall price screen complain best phone compared branded expensive smartphone cost said without breaking bank still nice smartphone juning unlocked smartphone c perfectly right already felt like iphone also juning great customer service thank m sophie one kind purchased phone free except shipping handling phone like testing return honest review product writing experienced noticed using phone picture video uploaded next update update noticed something different'],

['cellphone unlocked dual sim android lollipop ram gb rom mb support wi fi bluetooth micro sd slot gb g network please buy gsm wcdma sim card buy cdma sim card give review used try good experience phone excellent juning model c screen phone bright clear sharp display family love enjoyable playing game watching movie phone work great extremely easy load apps phone downloaded apps fast perfect surfing internet using facebook whatsapp youtube messenger problem like color gold look luxury elegant attractive nice quality phone used internationally dual simcard used mobile prepaid sim card impressed phone good signal reception clear high quality sound making call receiving call like used everyday phone work fine phone mah battery work good great use travel long lasted lot use phone great organize office file installed printer device camera super love download beauty apps like make plus instant beauty phone ready give make already beauty mode clear crisp dual camera front camera mp back camera mpthis useful wonderful gsm phone contract monthly bill please buy thegsm wcdma sim card buy cdma sim card end phone nice build quality look great work good love love speaker phone sound good receive product discounted price exchange honest review highly recommend product friend everyone phone nice good price

amazing juning unlocked gsm smartphones affordable phone perfect gift father day graduation day love one happy purchased problem review cellphone brand name juning model c package came x cellphone color gold x battery x usb cable x charger x earphone x manual x case'],

['phone worked great two week started problem opening closing apps constantly press button apps'],

['phone suck'],

['good phone'],

['worst phone ever get hot playing game hesitates automatically switch home screen apps returned pronto'],

['waist money dont buy dont let look fool im getting money back'],

['slow provider said old phone threw trash'],

['good phone buy screen protector'],

['phone nice friend samsung even impressed phone however took metro phone would recognize system able active'],

['one worst phone ever apps shut constantly phone turn apps always say need force closed youtube slow shuts randomly one worst buy ever'],

['size phone great bad part sometimes phone freeze screen revert back home screen without button pressed apps work like youtube would download would nice phone supported g lte undecided whether want keep phone upgrade cheap g supported phone'],

['phone work ok overseas storage see email text message delete thing let'],

['phone terrible international model run g mobile screen went dead week receiving'],

['within day returned phone back amazon nice screen poor internet service allowed g network downloads slow phone good plan use talk text anything else waste money'],

['great phone totally worth'],

['nothing bad say phone made right time huge phone wanted also came one two battery winning'],

['hate phone one day'],

['please good time sending different phone phone pad phone moreover inch saw ordering cover like one afraid order would send request good day'],

['say good luck getting work'],

['excelente'],

['couple problem phone turn extremely loud defining beep go ever sec min tired get help company never responded email people end phone conversation say hear lead sometimes think call coming end camera extremely touchy still shot blurred internal memory low download apps read storage space running low time clearing everything bad phone'],

['gr phone benefit samsung w inflated price love screen size bigger note guy make viewing better harder find really cool case well worth lack accesories phone'],

['ended selling brother huge knew inch screen would seemed bulky love though'],

['battery go quick take recharge another one taking pic u cannot breathe blurred purchased line someone got credit card purchased airline ticket overseas store purchase bank known purchase status disabled whoever could used monthly

bill actually wanted samsung notebook could purchased financially everyone carefully microsdhc sd ppl order go phone got look correct one music phone work wish could bought samsung notebook'],

['charger work would like one work paid money phone work fine'],

['phone looking nice looking phone look deceiving buy sent back'],

['making call screen go black light back take away face hang auto rotation work well either phone fast know bot internet connection experimented'],

['love size phone dont really know g g network really slow ope playstore watch video'],

['buy sturdy phone capability connectivity horrible bought tried save end ended buying blu phone anyway u get data phone spend extra get blu phone amazing'],

['hey received phone today im straight talk service seem like phone working hurted badly really like phone excited know need another phone sim card bad im really sad agout went fidnt quiet understand two sim slotd nothing really confused'],

['work great att straight talk sim chip work great buy case make sure try phone bought note case phone big'],

['work'],

['received today coming blinking charging hour'],

['fit need rural area live send back refunded money promptly'],

['totally horrible picture match product picture show cute date phone one received generic fake good one option would given zero star'],

['rating star see thing junk waste money screen came kind messed see anything'],

['doesnt work like suppose'],

['worst item history didnt work'],

['hmm'],

['phone poor access internet keep blocking wifi keep rejecting wifi voice low driving ear phone also low keep falling ear screen sensitive anything touch stop listening change setting close cover hear anything stop phone poorly made serve phone keep rejecting sd card lost information saved last yr get anywhere else plz would return phone get money back rather pay get phone serf right buy plz even yr old child figure'],

['love phone stop charging battery charger phone buy whole new phone try take repair shop could help better purchase whole new phone'],

['even think buying piece failed technology wasted money buying trash'],

['ok thuovit work better'],

['based people rating bought one found positively recommending took hour download one app may try one think otherwise'],

['phone like tablet love take good picture video seen problem issue friend like'],

['phone nice size price internet slow returned got blu studio'],

['bought two phone husband back february took couple day stop working properly went dead one day put charger still turn back mine broke month purchase busted minor impact example like putting purse walking around couple hour continued use busted screen bc afford repair finally six month purchase finally knocked died little time work would constantly go dead took hour charge would die within min

never bit working speed always ran slow ands would ffreeze final thought wasted phone could gotten better use little toy phone phone worst phone ever seen cheaply made'],

['happy internet slow mobil service ringer volume low color dim'],

['got phone opened box phone charger cord one battery supposed come two battery wrote seller told one phone asked send another battery like ad promised refused instead said would refund yet see either'],

['best phone buck say dose every thing wanted screen make alot easier read type'],

['good love screen great graphic good also love everything'],

['phone excillent first thing first screen beautiful bright isnt really pixelated great viewing angle compared android phone china manufacturer beware epecting get g mobile network support edge wich converted g pretty slow opinion idk month might switch see support g'],

['love phone everyone else see phone love size screen speed wi fi great phone'],

['great service great cell phone yes speaker phone let know anything else fun got take space end bye'],

['would loved phone charging port bottom broke send back'],

['bought phone wife u love every go see people galaxy asking get phone want throw away mine love'],

['hey everybody much gnashing teeth found wonderful power supply ebay long prong pefect isitem ebay com'],

['far everything pretty awesome plan work go way expensive carrier know well phone serf price absolutely fabulous screen size really going without pay first born'],

['great phone'],

['expecting screen everything else expected good looking phone'],

['received phone took month got phone excited big waiting long get phone even use without sim card finally got sim found internet work mean google play store work mean cant anything phone call text suck im apps internet one problem'],

['amazing android phone well made price going like yoyo though two week ordered u drop vendor kindly promised send additional battery make service vendor lol buy quite good complaint already helpful somewhat long review thread orange version simply touch upon two major issue sim card tried data plan micro sim adapter needed booted phone card recognized entering info sim management panel g service indicated h next signal bar problem answering calling second sim another country tested also recognized right away although field test deferred next overseas trip gps actually work well satellite check app also included polaris navigation app operating magnetic mode indoor use pick satellite minute take second get fix outdoors google navigation work flawlessly flip side display retina display good enough general viewing apps work requiring magnetic sensor one example compass apps deal breaker course overall money surprisingly good smartphone tweaking needed part fun update vendor quickly sent battery many try phone simply cannot rooted update phone actually rooted perfect almost month daily use phone still going strong huge improvement thanks google newest google map longer stay ram thus avoiding previous version eating memory inserting new

battery sudden phone begin randomly shut wake sleep cannot fully reboot worse
battery cannot charged turn contact issue three copper pin battery phone
sometimes kiss tightly battery need mm longer spacer made aluminum foil corrects
problem symptom suspiciously similar previous comment complaining broken phone
unchargeable battery probably loose connection testing umpteen apps two prove
useful browser funny name naked browser allows automatic deletion history cache
etc exit mobileuncle must engineering localization mode gps fix obtained le sec
others document go work well dropbox phone call u international viber breeze
dual core phone still good job interesting see one octacore take'],

['family mobile prepaid sim card worked right away phone get good signal work
great phone real fast fast enough everything work fine price bad'],

['wow start many great thing phone huge screen u hard see folk eye aging work
well sims staight talk mobile prepaid carrier work well mobile work little
slower internet slow bad unless tower mobile work service terrible alot breaking
dropped call pro con would recommendthis product'],

['minute stop working screen went really loved phone really want money back'],

['phone work good keep shutting hanging people worst phone ever'],

['love phone took place mega look feel better toooo'],

['thanks'],

['really nice phone really big also side really slow'],

['expected thanks love'],

['phone month started freezing turning order another phone'],

['got mine today gotta say expected glitch far stop playing anybody know case
could buy fit'],

['phone work ok overseas storage see email text message delete thing let'],

['phone terrible international model run g mobile screen went dead week
receiving'],

['love way phone look problem internet service sloooow cant even download apps
market wont load'],

['first hated phone put sim card wouldnt read took week phone figure sim card
backwards face palm ive problem ive read bad review little worried get phone
good review bad got everyone asks got phone always say big like pretty fast get
signal everywhere thing use straight talk cant recieve pic apn doesnt unlock pic
plus side realize bought take screen shot holding volume button power button
time everything work great im glad got phone good deal price'],

['love phone work well pixals messing never drop phone randomly also ear peice
low phone love'],

['thing good phone thing scrolling would blurry till stopped hurt eye many
weird thing would pop phone'],

['phone look great charger went battery never stayes charged headphone came
poor quality charger also went stopped working size phone great'],

['bought phone first got problem hanging phone call somebody screen go done
talking wait hang also recently volume went cant hear text message call people
call hear stuck saying hello cant hear anything phone little month return policy
date money gone waist try save money get new phone'],

['phone ring volume low even high case fit phone pad wow wat waist stayed boost
mobile never received charger pad'],

['loved phone month last night turned turn back charge upset'],
 ['gr phone benefit samsung w inflated price love screen size bigger note guy
 make viewing better harder find really cool case well worth lack accesories
 phone'],
 ['ended selling brother huge knew inch screen would seemed bulky love though'],
 ['within day returned phone back amazon nice screen poor internet service
 allowed g network downloads slow phone good plan use talk text anything else
 waste money'],
 ['great phone totally worth'],
 ['nothing bad say phone made right time huge phone wanted also came one two
 battery winning'],
 ['hate phone one day'],
 ['please good time sending different phone phone pad phone moreover inch saw
 ordering cover like one afraid order would send request good day'],
 ['say good luck getting work'],
 ['excelente'],
 ['couple problem phone turn extremely loud defining beep go ever sec min tired
 get help company never responded email people end phone conversation say hear
 lead sometimes think call coming end camera extremely touchy still shot blurred
 internal memory low download apps read storage space running low time clearing
 everything bad phone'],
 ['everything fine three week ago turn phone totally wacked phone six month buy
 another one sticking american made'],
 ['excelente'],
 ['great phone'],
 ['like phone sent back'],
 ['disappointed unfortunate already day left could return screen barely respond
 touch battery charging forever dy fast useless device'],
 ['ended able use plan fast shipping nice phone'],
 ['like really work wit straight talk download anything'],
 ['biggest phone cheap price issue finding phone case might need crafted made
 instead think best thing use service metro like screen smart feature unlike
 phone thing set turn ur location cellur data ask would u like use ur old
 location locate ur old information turn warning dot bottom cellur data also guy
 wondering new release dont surprised finding phone case also dont plug ur
 charger laptop wont charge charge plug charger itll affect ur stuff hope help u
 guy'],
 ['phone storage low add apps thiis phone gie blue'],
 ['phone much storage lot popups'],
 ['lot problem programming phone currently unable receive text message appears
 technical support center assist concern'],
 ['like phone sent back'],
 ['disappointed unfortunate already day left could return screen barely respond
 touch battery charging forever dy fast useless device'],
 ['ended able use plan fast shipping nice phone'],
 ['like really work wit straight talk download anything'],
 ['biggest phone cheap price issue finding phone case might need crafted made

instead think best thing use service metro like screen smart feature unlike phone thing set turn ur location cellur data ask would u like use ur old location locate ur old information turn warning dot bottom cellur data also guy wondering new release dont surprised finding phone case also dont plug ur charger laptop wont charge charge plug charger itll affect ur stuff hope help u guy'],

['phone storage low add apps thiis phone gie blue'],

['phone much storage lot popups'],

['lot problem programming phone currently unable receive text message appears technical support center assist concern'],

['great phone'],

['like phone sent back'],

['disappointed unfortunate already day left could return screen barely respond touch battery charging forever dy fast useless device'],

['ended able use plan fast shipping nice phone'],

['like really work wit straight talk download anything'],

['biggest phone cheap price issue finding phone case might need crafted made instead think best thing use service metro like screen smart feature unlike phone thing set turn ur location cellur data ask would u like use ur old location locate ur old information turn warning dot bottom cellur data also guy wondering new release dont surprised finding phone case also dont plug ur charger laptop wont charge charge plug charger itll affect ur stuff hope help u guy'],

['phone storage low add apps thiis phone gie blue'],

['phone much storage lot popups'],

['lot problem programming phone currently unable receive text message appears technical support center assist concern'],

['nice item good child use well thanks'],

['first tablet phablet little old slow always learn find use price right activated phone yet gm network phone still exploring provider somebody told sears sold make model might acting slow mobile data activated yet happy'],

['ok'],

['nicee'],

['received product came international charger therefore able use sent back'],

['internet slow used cell use headphone one headphone work'],

['terrible headline said unlocked received shipment product get turned locked sending back'],

['ok kid keep takeing battery cover reset phone'],

['like dual sim get rid apps keep popping chinese real annoying ow surfing web'],

['apple guy like phone ipad think would better stay away cheap tablet'],

['description say gb rom gb rom disappointed erroneous misleading description'],

['high hope acer phone based reputation laptop etc well designed phone well made badly let two thing android operating stuck hope update front selfie c mera supposed mp actually tenth maybe grainy checked twice see perhaps plastic protective sheet covering lens nothing aside phone work well clear call nice

screen fast internet battery life enough smartphones area become accustomed carrying around battery pack nice phone let totally unacceptable front camera date operating system going back'],

['description say gb rom gb rom disappointed erroneous misleading description'],

['high hope acer phone based reputation laptop etc well designed phone well made badly let two thing android operating stuck hope update front selfie camera supposed mp actually tenth maybe grainy checked twice see perhaps plastic protective sheet covering lens nothing aside phone work well clear call nice screen fast internet battery life enough smartphones area become accustomed carrying around battery pack nice phone let totally unacceptable front camera date operating system going back'],

['phone replacement niece broke shipping fast took get use window phone beginning complain lot right display big rim inch use work full display bottom annoying speaker work well side hear clearly think glitch window overall good phone niece broke two expensive smart phone one right price teenager like till phone stand rudeness carelessly'],

['dual sims better one sim blurred data'],

['nice phone waiting upgraded window'],

['receive order item'],

['first great service usual wanted small window phone seen phone m store liked look thought would work first direction inserting sim card would need direction ask ten minute dinking realized sim phone full size sim card anymore put sim card sim slot every call made required select sim sim also taking way long apps load ridiculously long nail coffin phone screen awful tilt phone right see screen clearly little angle direction like looking one pc security screen one reason interested phone textured case thought would easier grip slipperier smooth case lumen use time front facing camera anyway know good window phone screen appreciate feedback'],

['excelente producto'],

['item good thing longer provide g network service'],

['work well'],

['manure'],

['year old bought babysitting money phone mini computer texting app text friend wi fi data really like regret knew ahead time window system wish android fault company knew bought overall like'],

['phone advertised window ready farther truth minute tried download window received error message saying possible phone promptly sent back'],

['excellent'],

['phone poor quality recommend buy'],

['sn powerfull phone'],

['nice phone like'],

['best budget phone get honest opinion quad core processor gb ram gb rom good looking feel good hand camera greatest pretty good price software run pretty smoothly fast installed lot apps problem downside battery life big deal'],

['best budget phone get honest opinion quad core processor gb ram gb rom good looking feel good hand camera greatest pretty good price software run pretty

smoothly fast installed lot apps problem downside battery life big deal'],

['phone setting different language thinkwas like chinese however playing found tool setting able change english phone seems nice really good phone price good mentioned took minute able change english'],

['high quality phone ultra portable impact resistant incredibly long lasting battery loud clear call simple yet effective'],

['love excelent service acurate fast'],

['liked gave unlock code real fast would recomoned others really liked alot'],

['perfert everything expected'],

['great phone price headset great perk work fantastic problem'],

['connection phone call terrible keep track call dual sims always screen mirror many many issue'],

['buy case buy case buy case every revier unboxing saw phone came showed one included wrong phone awesome slippery fish le week side cracked fsfjxrhdxying pocket'],

['nice phone fast heat quick cool quick'],

['easily best phone ever used great price point even better performance image quality screen sound quality speaker stick phone unless alcatel somehow find way idol'],

['thank u alcatel love'],

['updated month still great phone replacing galaxy also iphone use work also used htc one x htc lg g moto g honor x idol great phone thin beautiful build battery life great easily hour waaaaaay longer killing game day stand idol time amazing total screen time around hour checking email texting tube reading news music casual gaming example ssg skyforce reloaded word fieldrunners smash hit defense zone total hour use also recharges fast display awesome even outside sun problem better mentioned phone sure screen gorilla glass scratch yet use screen protector watched many review phone buying complain fingerprint scanner really nothing wrong comparable speed iphone register number time time actually think little better iphone fingerprint scanner sound awesome phone whether use headphone issue cell signal gps bluetooth problem bluetooth connecting car home v receiver always use nova launcher every android phone family idol exception phone processor gig ram handle everything easily phone run super smooth lagging phone come decent jbl headphone screen protector vr headset vr pretty cool overall great buy think might better price definite buy either way disappointed'],

['coming asus zenfone smartphone charge super fast screen super crisp vibrant color vr jbl headphone faux tempered screen protector go wrong package phone'],

['broke iphone plus willing pay new apple phone admit little leery phone given fact long time apple user careful research decided alcatel idol much affordable still delivers high end experience looking far extremely happy purchase would highly recommend anyone give phone shot term speed idol noticeably faster web environment iphone plus term battery could barely get half day iphone heavy use idol end day power left kind usage need charge technology charge phone super fast called quick charge take ton picture phone love fact phone offer flash front rear side phone ability expand memory phone micro sd card huge plus keep many picture phone rarely listen music phone internal speaker however phone two

speaker one top phone one bottom compared iphone huge difference get surround sound affect much louder phone tried vr google yet jbl headphone come surprisingly good quality alcatel also throw screen protector making phone complete package customer app called mobile transfer literally take minute transfer contact video picture original device new device easy use matter going apple android based star across board satisfied customer'],

['device fire nice nice battery life camera vr goggles ok nothing blow way worth price screen design'],

['bought many phone model friend use working perfect first month couple month later problem came mine one used restart phone conversation contact applicaions give error close alarm mode work try phone call take long beep dialing factory unlocked uninstall app needed first model gps work great one would recomend model big problem look like model manufactured exclusively mobil metro pc used usa possibilities update update available done root problem update last problem time'],

['phone hang speak five minute le month would recommend'],

['good product recommend'],

['http www amazon com gp product b pejqu redirect true ref cm cr ryp prd ttl sol'],

['work great'],

['great phone gave relative philippine work perfect'],

['teenage son excited getting phone disappointed couple month screen blank occasion battery already dying despite charging properly sadly still like droid turbo better otherwise love phone'],

['cellphone locked locked metrospc'],

['alcatel phone nice cheaply made inexpensive prong inside phone plug charging cable cheaply made tend bend break volume phone leaf lot desired phone lasted month'],

['good'],

['phone unlocked advertized'],

['phone great fast good sharpness good sound pretty picture work well movistar'],

['even though got phone weak batt ordered another batt seller emily store contact star review offered pay new batt decline customer service concern would move star seems initiate try rectify problem happy customer dave'],

['factory unlocked metro pc phone two day time internet searching phone usable properly unlocking rooting phone come metro pc bloatware unneeded useless junk installed factory unlocked phone come message metro pc riding nationwide mobile network repeat factory unlocked phone pay rate company sold give refund x'],

['fantastic product purchased unit son'],

['happy phone work well mobile value money'],

['cell blocked live dominican rep blic say sim invalid'],

['bought use mexico work great fully functional'],

['buy second one great'],

['good'],

['think factory unlock phone anytime turn phone show metro pc'],

['great phone price fast shipping worked wonderfully box beat phone cost

everything high end phone nice size screen'],
 ['received smartphone venezuela factory unlocked work movistar telefonica'],
 ['excellent product received time recommend'],
 ['incredible phone like mini fast handle'],
 ['excellent'],
 ['good excellent'],
 ['awesome would recommend'],
 ['really great phone work perfectly thank tour help'],
 ['muy bueno'],
 ['phone appears decent still trying get called unlocked phone work carrier
 learned quite allot buying unlocked phone phone bought mobile phone get work
 mobile tower coverage suck carrier straight talk get apn setting change straight
 talk advice buy phone carrier use seller phone best tech express poor customer
 service'],
 ['great phone lot feature love'],
 ['give star rating issue microphone seeing g icon g network awesome upgrade
 alcatel one touch fierce'],
 ['perfect except need sd card day one internal memory low'],
 ['put tmobile chip phone worked data since metro pc phone went activate phone
 went pile junk'],
 ['thank'],
 ['love nice large screen fast shipping customer service well'],
 ['phone look nice unlocked described spend another unlocked'],
 ['love fast great also ensured unlocked'],
 ['excellent phone work well live santo domingo happy buy true phone factory
 unlocked work sim card'],
 ['phone met expectation wished storage'],
 ['good'],
 ['item came exactly described work well'],
 ['good cellphone'],
 ['fine beatufull'],
 ['husband replacement phone tmobile carrier easier thought slipped sun sim card
 making call come original packaging professionally labeled opened unlocking
 phone still original screen protestant packing satisfied purchase especially
 price'],
 ['genial puntuales responsables'],
 ['alcatel fierce nice phone since using phone year sound quality pretty good
 also hand free speaker sensitivity touch screen also good gb memory good enough
 multitask installing many apps needed think like thickness phone'],
 ['bought supposedly unlocked phone use travel caribbean discovered today
 bricked mobile following error message appeared black screen security error
 phone flashed unauthorized software locked call mobile operator additional
 support please note repair return issue may additional cost stuck useless phone
 poorer'],
 ['ok price used better phone like lg samsung htc gonna crappy work lag anything
 shabby speed either camera garbage audio playback actually good screen nice n
 clear'],

['bought used alcatel onetouch fierce arrived shipping day look brand new work
 perfect onetouch originally broke truly life called onetouch predecessor
 outperform many famous ex galaxy iphone expensive phone much lower price must
 traveling person relies phone flashlight compass gps texting internet app
 support good cpu ram thank'],
 ['phone stop working one mount product defective'],
 ['ring already speaker stopped working picture keep deleted longer send picture
 text contact gone junk buy'],
 ['bring charger charging pin wrong guato article'],
 ['phone say unlocked order another phone'],
 ['good cell price'],
 ['cant mobile sim card fit inside sim slot say phone also inside mobile phone
 lie maybe different type mobile sim card know mine fit'],
 ['satisfied'],
 ['phone problem activate'],
 ['restarts shuts several time day take minute start freeze restart something
 google map never worked minute closing deserve even single star total waste
 money plain junk'],
 ['excelente'],
 ['excellent'],
 ['loved youit juat need'],
 ['excellent'],
 ['phone unlocked received even though advertised unlocked phone work also
 repaired bad choice buy phone vendor'],
 ['become difficult release venezuela take line'],
 ['liked phone phone signal disappointed expected signal g venezuela several
 friend cell signal rise g mine seller treated well sent code unlock phone'],
 ['would star except mobile phone seller need clarify phone good deal price
 picture quality price good easy set operate lot apps useful call quality good
 overall cant price looking inexpensive one work well use straight talk problem
 setting phone worked beyond expectation based review need cut standard sim card
 phone'],
 ['excelent'],
 ['good'],
 ['bought many phone model friend use working perfect first month couple month
 later problem came mine one used restart phone conversation contact applicaions
 give error close alarm mode work try phone call take long beep dialing factory
 unlocked uninstall app needed first model gps work great one would recomend
 model big problem look like model manufactured exclusively mobil metro pc used
 usa possibilities update update available done root problem update last problem
 time'],
 ['phone hang speak five minute le month would recommend'],
 ['good product recommend'],
 ['http www amazon com gp product b pejqu redirect true ref cm cr ryp prd ttl
 sol'],
 ['work great'],
 ['great phone gave relative philippine work perfect'],

['teenage son excited getting phone disappointed couple month screen blank
 occasion battery already dying despite charging properly sadly still like droid
 turbo better otherwise love phone'],
 ['cellphone locked locked metrospc'],
 ['alcatel phone nice cheaply made inexpensive prong inside phone plug charging
 cable cheaply made tend bend break volume phone leaf lot desired phone lasted
 month'],
 ['good'],
 ['easy use clean design camera great fast shipping'],
 ['review day pro speaker banana pulling top bar show quick preview pull show
 setting speaker side top bottom battery fantastic upon buying great start
 downloading apps usually 1 phone drain average rate magically drop time drain
 slowly without magical drop even wifi using spotify pinterest time good stuff le
 bloatware avg antivirus facebook twitter chrome drive google hangout weather
 wifi transfer adobe reader nfc tag radio wifi display youtube design app button
 outdated looking pro say display meh look good double tap screen wake good
 laying flat pick press power button need sign password access basic pull setting
 phone dy apps open turn like computer nice uninstall factory apps run google
 deleted fb twitter delete youtube almost win meh music song overlap sec know
 song next camera acceptable option pick orientation need feature oober lazy
 clumsy guess could work power button left volume right weird okay quick access
 certain button wake sleep like camera message etc con ui intuitive like apple
 samsung lack lot setting option universal setting button like samsung main home
 page like samsung press home button go last page design button instead backwards
 play button go back upside triangle home circle instead house showing open apps
 square designer bug correlation unless corrolate china sealed battery bottom
 button bar take far much space make screen smaller tap text time stamp hr
 unboxing checked music setting pressing song play library often skip song
 sometimes sometimes much six thought maybe file type press backward button next
 pause main select play next queue press fast forward play annoying hopefully
 putting song want playlist solve unless skip acceptable compared iphone samsung
 mean really spoiled really need call text camera use tablet computer app bull
 would still rather sg user interface get need died turn survived wks without'],
 ['know may sound funny many people phone reminds lot iphone similar dimension
 screen size idol build quality good feel like budget phone absolutely love
 screen resolution color came someone used lg g motorola moto x moto g phone
 fastest smooth enough every day use experience delay far unlike blu life one g
 lte returned sluggish performance would recommend alcatel onetouch idol anyone
 like huge phone rather small easy handle phone'],
 ['lasted le month went sleep one night phone included usb charger woke noticed
 glitching badly pin lock screen home screen dashboard touch register even make
 go hard reset fast forward one hour later stopped holding charge phone died
 pretty hard time least expecting fast forward attempt rma phone website
 intuitive come finding repair center eventually find u repair center start
 filling form realized grab phone imei chalked loss fortunately budget grab new
 phone still lot money spend phone stop working month moderate use shame price
 snappy little phone liked ui fairly close stock android way better anything

touchwiz shoved sure camera great willing live may grab another one liked ui much going weary much proactive keeping proper warranty info maybe would worth getting moto g instead'],

['exceptional phone price lightweight thin bright screen loud clear speaker front speaker process reasonably responsive work google voice number unlike asus zenfone'],

['phone great anyone looking inexpensive yet high performing smartphone'],

['pro smooth performance day battery life excellent build quality good quality screen nfc android pay compatible decent camera microsd expansioncons awkward button placement squeaky vibrating motor update guaranteed gorilla glassshould buy yesactual value loved moto g made always question people spend phone could work well new moto g willing buy right spot turned nearly week wait one delivered started search next best phone lead phone experience alcatel phone much expectation phone said couple day say absolute confidence love design one light phone starting idea light hold hand actually thought moment battery inside yet pleasant hold hand design plastic expect anything premium phone like metal solidly built rivaling even galaxy build quality speaking phone lighter slimmer phone sold money still satisfied good build quality price excellent build quality period chrome accent nice touch speaker grill slightly angled towards phone add bit sparkle otherwise black phone soft touch plastic phone land middle ground plastic nice touch resistant fingerprint design completely symmetrical important certain feature unique love even available different color white personal preference overall find much complain especially low price performance seen moto g spec pretty much getting hardware us snapdragon p display microsd expansion android lollipop even camera module sony imx however key difference make better phone moto g instance phone gb ram moto g gb actual front facing stereo speaker compared nfc gb storage moto g gb benchmark gotten similar result moto g cpu graphic performance benchmark one side performance experience daily user experience based couple day installing many apps tell phone snappy fast current flagship lineup never lag clip graphic apps open relatively quickly animation smooth well transition one app another testing multitasking ability opened chrome angry bird pokemon puzzle youtube lag app open left opening force phone suspend one apps save ram apps without closing pretty good cost game also perform good long reasonable expectation game angry bird pokemon puzzle clash clan run smoothly without issue game like asphalt real racing run smooth highest quality setting expected midrange phone signal quality good able get mbps download speed mbps upload mobile g lte around pasadena ca thanks band support cell signal building good signal almost never going bar speaker also amazingly good loud coming close matching htc boomsound phone speaker thanks help jbl overall performs close flagship spec albeit bit slower people happy phone display phone beautiful hd display ppi note iphone ppi advertise calibrated technicolor quality display come close display nice color calibration vivid color nice black white also bright enough using even direct sunlight good contrast mean clearly see perfect since couple issue color slight cool tone meaning white tiny bit blue another small issue slight amount light bleed one side displace noticeable daily use good price phone one crucial one fact using gorilla glass display opting discreet dragontrail glass since going daily driver

want test toughness alcatel provides unit gladly test looked trade scratch resistance toughness might easier scratch resistant shock time tell update review time move camera camera back facing mp camera front wide angle mp camera rear camera us sony exmor imx unit found new moto g expensive nexus result mixed though one side outdoor picture good whenever good lighting outside well lit room picture come high quality color mostly accurate camera absorbing lot detail however night picture quality take hit camera struggling get detail lack light get detail type light much lack ois also contributes issue phone ois price range moment flash okay since dual tone unit light tends overflow photo tend lose detail video also similar story good lighting providing good result opposite true eis effect noticeable really help quality camera going use important memorable moment thing people use like facebook twitter instagram work great especially true front facing camera selfie cam grabbing lot detail provided good amount light software basically running close stock version android lollipop running version stagefright patch already added protect phone foreign attack change software instance icon look like similar iphone good bad thing depending whether love hate style everything work like stock android except one feature surprised universal phone fact phone reversible sound exciting fingerprint sensor rather practical underrated feature answered phone test sound quality hung realized phone upside sound equally good either orientation brilliant course like reason always option turn overall light touch alcatel added onto android hurt much problem easily fixed conclusion expecting get high quality phone especially experience old model even remember name alcatel deliver high quality experience astonishing device compromise alcatel chose wisely overall result great couple phone compete range biggest one moto g better yes power user would still recommend high end moto g extra ram even oneplus one sale must like college student like beat low end moto g due higher quality speaker display nfc slightly ram phone help answer question people really need spend phone get high quality experience answer people market people need latest greatest new extra like fingerprint sensor dslr like quality camera rest u phone ask reasonably well price overall fence frustrated searching like let help go phone disappointed'],

['rubber inner sleeve look good phone'],

['far good awesome speaker little phone beat price'],

['late something phone journey first purchased idol phone darn big practical least returned picked new moto g also review excellent phone end discovered missing key feature really needed daily driver device first moto g missing notification led sure may think care moto display time optimal phone desk happened miss notification normally flashed time sometimes probably bugged find even one either reach across desk wave hand device pick would activate screen always work either physically hit power button notification led eliminates need fuss light going blink check clear notification perfect moto g also missing gyroscope overly important time useful thing degree youtube video certain game etc another win alcatel moto g include magnetometer wanna use compass app moto g bad sad alcatel motorola nfc moto g wanna pay using android pay future well moto g idol strike gb internal storage similarly priced moto g want gb worry alcatel covered moto g offer gb ram model gb sufficient careful usage gladly take gb

price thanks idol screen resolution x idol sport ppi pixel density moto g come pixel clarity yup take dual front facing speaker jbl sound sound absolutely amazing moto g least decency speaker front zero contest speaker sound good one idol positive wanted lay comparison idol moto g gb model often compared device honest opinion zero contest two feel alcatel amazing job device first bit leery ghz quad core cpu zero issue lollipop everything battery smooth fully recommend anyone well worth price admission'],

['good'],

['extremely poor hardware explains low price month already problem charging port struggle get phone charge'],

['definitely recommend purchasing product got mine brand new extremely happy thanks delivery fast got within day purchase'],

['good'],

['honesty mailbox outside disappointed'],

['odd feel basic reason phone talk right worst flaw phone hard time answering placing phone call phone seems long pause oddest time glad one month phone ruined water would hate put phone year'],

['best deal android phone fast responsive stereo front speaker sound great battery life good overall look feel phone excellent screen sharp good color tone'],

['nice'],

['first two week update reboots idling ok make sure get setting keyed correctly'],

['great smartphone super affordable price looking reliable budget smartphone purchase parent learning use smartphones first time something basic long battery life ideal looking intensively budget smartphones narrowed choice alcatel onetouch moto g rd gen ultimately swayed alcatel screen size option glad worked well easy learn use great camera decent battery life mom love comment add limited option changing language couple option chinese one language setting top concern purchasing phone would suggest find option would need know moto g offer couple language including chinese otherwise complaint would even consider getting phone'],

['love phone know smart phone cost x idol like fit shirt pocket thin heavy era monster phone screen size look great people put phone dopey protector case big deal chrome glimmery look except commercial show room phone look high class anyway hate cover case operation go one neg aware android phone reviewer camera take great photo except back lit shot photo turn like took photo light fog got phone need phone camera give take camera shot totally fine'],

['prior phone galaxy lg g stylus phone great alcatel one touch idol amazing little smaller hoping size iphone work smoothly perfectly ask better phone currently use straight talk literally insert sim configure internet apn setting within minute phone work data work texting mm work amazing complaint phone someone really hear well like text surf web phone perfect also front speaker amazing sound clear honestly best ever'],

['love phone'],

['would great phone except keep loosing network connectivity randomly especially phone call often speak loudly order person end call hear saying big

disappointment'],

['best versatile phone lot upgraded feature past generation idol came along way view flagship inexpensive phone love phone gsm unlocked well done alcatel curious alcatel going come new generation one touch'],

['device really enjoyed use everything pretty good gripe would bubbly icon nitpicking information device please search eric drummond youtube'],

['great phone money day loving far'],

['trust good phone habmve used owned nexus one plus one galaxy htc ipad air chromebook laptop love stuff good phonei read review ill write best one pro size weight portablity right screen great speaker price good battery life pretty quick charging time con little slow get used touch pad great typing stuff think alcatel used cheap screen panel haptic feedback using touch screen writing texting bug fixed alcatel seems like dont support device much android cant pair bluetooth time idk think phone way better galaxy alpha moto g like big heavy phone get moto g slighly faster think alcatel better ask anything phone'],

['phone bought father step mother dad lot research buying new phone want cheaper phone decent review past weekend step mother reach ask display contact automatically joined transfer old phone easy fix frustrating solution none le swype functionality either download google swype keyboard provide functionality minor usability thing phone nice feel apps familiar looking long smart phone knowledge phone fairly easy navigate'],

['phone awesome price worth perfect hand size screen would nicer extra w e difference personal budget'],

['went acatel idol inch rd gen moto g size idol inch v moto inch done big phone wish everyone else would start seeing inch phone latest spec going happen anytime soon internal capacity idol gb v moto gb price micro sd maybe internal capacity matter people ram gb v gbdisplay ppi v ppinfc yes v looking forward trying nfc tag buck worth look sound stereo speaker v single jbl speaker v know jbl headphone included v nonemicrophone dual v single use idol either orientation customization v yesweight gram v gramsbattery mah v water resistance v yessimilar snapdragon ghz v ghzsimilar camera mp back mp frontbottom line idol gb gb ram slightly better screen lighter little smaller little thinner dual speaker microphone thin light fast nice crisp screen care customization water resistance'],

['far good needed stopgap old nexus since battery died noon everyday recent week tried mid range phone released recently none seem right seem get used using larger phone started using phone day ago great far stuttering kept pace nexus yet battery lasted albeit weekend usage standby phone apple esqe left charger overnight lost battery life get chance see normal business use get today speaker phone best ever heard smart phone loud clear normally use phone speaker connect bluetooth speaker house really needed longer phone feel solid hand phone entirely plastic light phone bargain far edit sure bad handset issue phone connected call via bluetooth hear loud clicking noise sound bit like helicopter call tried car set bluetooth headphone three sound shame loving phone'],

['update november downgraded rating phone due system update patch dated november update kill functionality tap wake feature let tap screen wake wonderful feature loved phone feature largely killed november update work maybe

time tap screen wake really obnoxious killing great feature alcatel eliminates great feature like purchase eliminates trust company would buy alcatel product future particularly care intentional bug sent update patch changed something want changed screw happy good phone okay camera got wife replace galaxy bought month ago turn phone darn big idol version end perfectly sized normal person hand nice phone general great phone factor price overall value hardware capable reasonable price phone could game changer smartphone industry forcing major player bring pricing said thing version idol month ago popularity device asus zenfone enjoying price range convinced see reasonably priced phone major market player next year good sound front facing jbl speaker make solid rival htc one use phone multi medium like watching video listening music without headphone solid sound system sound vibrant importantly loud clear sound sound like tiny cell phone speaker sound like real speaker htc one product line made front facing speaker calling card one really challenged htc design alcatel onetouch idol stand toe toe htc one sound flinch physically look like nice phone cheap brand powerful processor smartphone little lower powered variant plenty good enough drive idol normal daily use find laggy normal stuff set process couple hour use lag expandable storage thank keeping feature smart phone hate cloud want file device idol start gb board usable system take expandable gb via tried true sd card method expand storage significantly meanwhile higher end smartphones charge entire purchase price idol increase gb base model gb model hd display nice color vibrant may slightly vibrant true life color work photo look richer even get true life coloring rendered graphic look fantastic due rich color depth meaning stuff like icon game ui interface etc etc resolution little lower version screen also smaller noticeable phone sa resolution inch hdtv bedroom back flat like lay phone desk table next able use thing like checking sport score checking notification something rounded back phone wobble annoying idol flat back lay flat table wobble touch simple thing huge super thin see picture comparison next finger thinner galaxy slightly smaller screen significantly smaller screen galaxy sold light weight camera initial area concern everything looked exposed blurry largely fixed alternate camera app later still greatest camera world factor price tag phone good enough camera high light outdoors day time actually pretty decent low light anytime need flash hot bad stock camera app complete garbage aspect improve photo quality little adjusting manual setting lose setting soon restart app save stock setting everything massively overexposed light balance making everything look blue almost caused return phone making think camera bad plan using alternate camera app switched camera mx photo available amazon newer version google play camera mx conflict video phone though simply work stock camera app work okay video battery replaceable wear like keep phone year repurpose thing service life phone expires controller thing mp jukebox etc like able go amazon spend replacement battery quickly switch additionally even keep phone long battery fail sometimes replaceable battery problem might issue great aware issue making purchase decision sucked one wife phone care love industry trend bottom line easily outperforms purchase price greatest smartphone time cannot beat phone said thing version price good phone overall physical room housing cram better spec version great value even camera industry leader ultimately decide feature important

never use camera use anything want keep like maybe take picture parking space remember parked great smartphone love form factor thinness weight display nice use alternate camera app give control exposure alternate camera app changed decision return phone star review better luck different apps also compared quality photo price tag phone realized great value get better camera phone cost really go wrong'],

['phone came without issue great display processor responds well visually great look price good acquisition'],

['phone marred unacceptable bluetooth performance literally drop bluetooth headset put pant pocket plus side sound speaker phone functionality quite good reviewer mentioned also exceptionally rugged phone screen broke fall le foot'],

['phone purchased son loving phone far using couple month take pretty good picture phone snappy even gb ram crash us snapchat happy prior phone would crash apps highly recommend phone anybody budget wanting decent mid range phone also anybody wondering device receive android marshmallow update'],

['happy phone last one also alcatel gig near enough popular software photograph gig seems really good need would buy'],

['call quality terrible something fade tin camera ok image quality well previous phone moto g lg frustrating month first time dropped phone screen shattered outer casing accessory redeeming quality compact size'],

['point fair love little phone'],

['great phone'],

['great phone much dependable phone price range great pic easy use con battery life use location service bluetooth must charge everyday love phone'],

['phone came original box security seal come good charger one plug computer wall also came jbl headphone also product came day cant believe got good quality good price definitely good buy'],

['pretty solid battery life fast big sound wish camera little zoom screen max camera quite clear good hd screen'],

['great phone great price work seamlessly mobile'],

['really like size weight phone friend samsung galaxy think bulky personal preference nice micro sd load photo music music player fun mess could change one thing would dual sim work great u mobile complaint'],

['strongly recommend'],

['good'],

['sometime get hot battery running quick'],

['phone music lover right speaker good bluetooth horrible put phone pocket simply turn around bluetooth speaker cut problem phone anyone else problem drop phone activated though hitting power volume time screenshot seems almost unavoidable happens time really getting nerve hell home screen freaked thought realized looking load screenshots find option disable feature yet camera focus horrible compared old moto e samsung avant something unlocking screen way notification work really annoying going fix old samsung avant throw one trash find easy fix issue'],

['got gift dad india replaced micromax phone dad super delighted superb performance good photography long battery life super slim android overly skinned practical lightweight btw next generation phone idol blackberry android phone

strong cred'],

['alcatel idol compact decent phone good nice form slim easily held one hand good performance connectivity task etc great stereo sound built speaker music listening device terrific bad unfortunately phone really great could faintly hear person apartment even volume maxed noisy nyc street nearly impossible battery life terrible suspect might gotten dud light use listening music checking email couple time phone barely lasted little half day overall low volume bad battery life made return quickly bad everything else nice'],

['thin sharp stereo best price smart move'],

['work great niece'],

['perfect cell phone'],

['good'],

['ive phone around week love form factor amazing front firing speaker intuitive stock android lollipop interface using cricket wireless everything worked right away popped sim card wifi lte reception par possibly superior lg g replaced battery life standby isnt quite good g actually using phone watching video especially mop floor g term screen time due lower re still nice screen lower power snapdragon cpu dont let lower power fool ive yet run scenario phone hasnt performed well g paper twice fast head buyer model big taste seems preferred size nowadays coming cricket wireless nov th buck buck retail mind wont unlocked would people using cricket cricket customer good thing say use att tower best mnvo mile con come phone beep fully charged led light go couple minute remedied app called gsam app store phone beep hit opinion blow away competition looking moto g money gb storage gb memory really put head shoulder phone price range mention better screen absurdly loud speaker overall dainty form factor phone trust regret purchase especially looking phone norm form factor'],

['great product loving smaller phone breath fresh air phablets near phablets guess minority wanting smaller phone battery life great performance really good see lag navigating menu play game phone sure good graphic processor outstanding standby time screen great even sun light phone light produce incredible sound dual stereo front facing speaker screen crisp despite p knock anything screen need p screen version found bit big taste phone perfect even tad bit smaller iphone gb fine paired gb sandisk memory card even think moto g gb already close idol price worried update long security patch apps work fine'],

['excellent many thanks'],

['great product'],

['nice im expected'],

['originally looking samsung phone wanted latest version android phone would fit pocket idol needed picture great phone o run smoothly battery life good get day easily full charge great size irritating thing answering kind phone question watching confused look never heard alcatel certainly glad skipped big name'],

['phone look nice work smoothly definitely worth price camera front back take crisp clear picture happy product'],

['excelent phone price'],

['far good month one problem speaker really great'],

['update moved rating tracfone g lte sim work great bodega bay good connection

blackout area year upgraded text system mysms premium better texting easier
texting picture family friend added camera mx better picture taking ease
transmitting picture mysms noted system work seamlessly amazon prime photo take
picture short time amazon prime text photo friend family second scratched
surface capability camera mx surpasses phone camera camera decade battery
continues amazing also eliminates drain android tablet chromebook mysms
connection great phone fit pocket powerful anything need want phone internet
connection camera g lte cost first part tracfone customer user use tracfone go
dotted line review week new alcatel idol work transferred tracfone minute year
use tracfone site showed byop transfer worked new byop sim card minute data time
left transferred phone work make receive call text alcatel help friend suggested
email tracfone set phone call got online someone per email claimed data
including tracfone phone id fortunately made hard copy time year old smartphone
tracfone showed new sim card told needed speak someone could help hold minute
nice woman answered wanted data emailed told phone person told specific data
reading hard copy made day byop supposedly activated said anytime left contract
need buy time reminded hard data showing minute time agreement year come minute
call process said transfer another supervisor new person started asking data
given twice call said sent via email given data twice phone call found contract
said phone working time minute data transferred thing end phone fired dialed
code activate work well one hour phone going stuff time tracfone line people
evaluation phone star got tracfone problem corrected used new phone via wifi
transfer contact picture apps old android lg phone went well transfer stuff
nearby close android acer tablet old android phone acer chromebook using report
work wifi reception good strong wife alcatel one touch android use home wifi
reception strong fast screen fit shirt pocket even bottom half add hard case
added screen size adequate want away home make receive phone call text receive
check text email use acer tablet chromebook involved keyboard screen work home
battery far adequate far us last night charge charge morning still charged pm
afternoon picked turned still bloatware minimum accepted gig card fuss android
seems smoother le drag previous work smoothly sm tablet chromebook also receive
phone call push make contact directly phone icon slide icon right answer cell
phone since different since phone working tracfone push app button screen harder
glass add screen bought big standard screen get messy quickly minimal useage try
find aftermarket glass fit combo hard case belt case extra buy mixed picture
hard case fit fairly well however attach half hard case really get camera make
phone call receive take picture remove part cover phone back part case missed
two phone call wife due time delay get front phone also get picture move
wildlife area due problemif use tracfone byop phone work waste time contacting
alcatel send tracfone email data tell phone working tracfone send email phone
numeric code use make call sit comfortable chair hardline phone available data
available bottle water lot patience well charged alcatel idol used acer
chromebook help data lost data stuff needed short time think alcatel tracfone
good winning combo use tracfone byop established customer wanting transfer
minute time sure make hard copy minute data probably need data update battery
excellent battery heavy use best cell phone battery ever owned standby hold
charge standby versus android phone tablet using battery charge overnight

standing unplugged wifi connection quickly recognizes home wifi connects hot spot seamlessly wifi range house good wife alcatel one touch popup incredible wifi range however since never use phone bedroom weak wifi area issue auto switch wifi tracfone g lte like going family room back yard auto seamless far tracfone g lte area strong reliable hopeoufully try g lte coastal area verizon trackfone coverage zero android seems reliable easier simple thing versus android'],

['great spec inexpensive phone work well waterproof wife found first one good enough buy'],

['internet slow phone work good connected wifi'],

['good phone would liked instruction book download one internet need study still feature figure whole really like phone one feature either figured working right way made sound dialing call someone loud found way make dial tone louder trouble hearing husband definitely hard hearing may able hear want use'],

['brought phone son christmas love mobile switched sim card old phone phone problem'],

['good model love alcatel one touch good supplier also received quickly great'],

['excellent phone great headphone'],

['would recommend phone people need simple functionality good bluetooth capability came moto g think really get pay month phone counting loss going back motorola take x longer anything need phone keyboard responsive poorly calibrated speaker great compatible apps compare motorola assist making phone call take three extra step rarely able make receive call due poor reception would blame phone service company boyfriend family plan get reception text message app horrible downloaded new one make usable phone would good starter phone teenager speaker bad enough use speaker phone make call'],

['good phone price nice screen nice sound fluid interface'],

['good solid phone low price offer stable fast definetly worth shot'],

['bought unit cell phone ho depreciation feel ripped return money see possible promotion page phone le one week returning difference bono giftcard'],

['owned week battery saver excellent walking around phone pocket detect motion may sleep might expect mine sits table much day sleep soundly speaker nice jbl bass response still lacking inherent extremely thin design phone may need install equalizer reduce mid high frequency richer sound would given star except small sweet spot listening phone call phone placed ear volume reduced significantly think take practice dual speaker dual microphone work beautifully quickly answering phone upside necessary fm radio run unless earphone plugged act antenna display perfect built wallpaper look pixelated probably crappy sample see android cannot different wallpaper lock screen much using quick flashlight like old phone android come flashlight hidden second pull notification menu bluetooth wifi button flashlight app note wifi turn using wifi display app must use either setting menu second pull menu phone auto dimming screen also automatically brightens max sunlight nice feature may find nearby light source dark room could fool sensor make dimmer want adjust angle screen sensor detects light screen brighten accordingly also turn feature department store brand sold mobile store told clerk idol really nice sell sent lesser

version corporate almost forgot mention important thing phone upgrade year old samsung loading page agonizingly slow alcatel android lte load page almost instantly phone eligible android marshmallow upgrade soon available luck yet trying upgrade love marshmallow allow override permission app much change sign amazon signature card like get extra phone beware amazon automatically change default payment method new card want go setting change back old card also phone must purchased amazon card get discount remember pay card right away want interest charged day grace period card keep eye default payment check changed without knowledge making purchase one click ordering caused happen give opportunity see default payment method'],

['first day phone feel solid recognized new external gb external micro sd card tried reboot formatting card installing sd card nothing go setting storage say mount sd card click nothing frustrating dumped old lg optimus f'],

['bought inch version one one wife reason phone take video sound playback even tried uploading google photo app still sound video taken please fix already tried rebooting factory reset erasing cache raising volume sound messaging'],

['bought phone replace wife phone several year old needed replacing phone came boxed charger cord headphone instruction english instruction well written easy follow took u minute set phone move everything thing working flawlessly since got pleased going compete high end phone quad core processor plenty speed price one nicest phone seen'],

['excellent good'],

['good'],

['hello bought phone sept april nd phone dead battery probably pretty upset phone month covered year warranty calling alcatel modnay happy without phone week hear net lliked phone every category voice call text camera good fast etc ignored replace battery let know happens manufacturer called alcatel customer service battery good'],

['awesome frill unlocked phone work great mobile get band coverage excellent compared old unlocked att phone'],

['nice phone almost pleased especially battery life outshines old iphone battery life mile first con like wake power button directly opposite volume bar switch iphone wake button much better placed also like bring setting ringtones scroll none click click ok turn ringer use vibrate iphone beat hand little switch side pro screen really nice much easier keep clean iphone operating system iphone beat hand speaker system really much expected device small top answer either end reversible microphone battery life really great compared old iphone phone rate solid using wal mart family plan serviced mobile signal quite good verizon old iphone service acceptable use feel tho would stronger snd may point switch serving purpose well'],

['zte awe lg g iphone idol idol phone slim light perfect size pocket web browsing idol large keep comfortably pocket without breaking screen yellower white like better reading screen idol bright bluish white often hurt eye screen reflective remedied matte screen protector mr shield battery mah surprise sufficient stream pandora g whole day always thought needed mah whole day operation new version android surprisingly battery efficient sound phone speaker loud clear depth definitely super bass like big speaker review claiming

strangely ringing notification decreased volume headphone plugged definitely software bug alcatel straighten sound board speaker good jbl exceptionally poor job sound enhancement headphone removing one star cheap earbuds le tried idol sounded weak bass turning jbl audio effect attempt create surround sound distancing depressing mid frequency corresponding human voice result decreased clarity muddy sound included jbl earphone worst bunch tried clear high complete lack bass would pay even earbuds came iphone crystal clarity pumped bass bass booster app sound became acceptable listening pandora enjoyable pleasant surprise back mpx f aperture camera model automatic mode take good pic good light automatic smart enough low light turn manual mode set timer avoid camera shake iso manual setting able get sharp selfies see skin pore without much noise even dim light indoors early morning cloudy day comparison iphone automatic mode rarely produced sharp pic dim light like indoors day lg g got smeared fine detail like eyelash skin pore due aggressive noise reduction pic get idol come color close eye see slight saturation red comparison lg g tendency produce washed bluer pic term everyday task idol fast version even faster animation close open apps slide screen one one version stutter idol slower processor spec control fewer screen pixel better optimized rarely play game phone compare two phone department phone stutter browsing desktop version image intensive web page like amazon even powerful desktop computer downloading image site programming fast phone video processor occasional slight stutter defray pleasant web browsing'],

['great phone price issue work great fast need'],

['awesome phone light apps upgraded newest android fast apps tethering everything one best unlocked phone also audio quality included jbl earbuds sound great camera flexibility phone amazing would recommend buy'],

['amazing phone fast great foreign travel inserted china mobil sim work perfectly phone beat apple iphone hand also still work alcatel smart watch well perfectly nothing delight using phone totally love imagine anything better smart phone everything simple quick fast memory enough project may ever need rc'],

['love'],

['unlocked phone never good phone work great camera good daylight good dark setting price fair screen look good way better run mill budget phone speaker fantastic alcatel partnership jbl get decent set jbl earbuds included obvious con speed ok docked star although price much expect phone run close pure version android first power phone prompt download software update take care stagefright vulnerability mobile phone band although phone let uninstall apps one app uninstalled disabled music player like use another music player app careful turn factory one mistake else different song playing time noticed holding phone upside ie reading lying click screen might take holding phone hand screen facing normal way work every time minor nit pick think around solid phone even buy phone automatically buy phone carrier shop around find money'],

['excellent product received perfect condition phone good sophisticated responsive main feature sound good meet expectation person demanding owner publication responsible recommend'],

['gave star instead price numerous smaller bug assume firmware recent annoying one random time start playing music seriously music app checked playing anything

closed open apps music continued must streaming since music yet completely different genre last playlist streamed often unlock phone start stuff music stop always still ok phone money hoping isolated incident try replace phone'],

['nice phone love'],

['received firmware update since bought making much much better first arrived imo weird thing sometimes pull pocket jus black screen matter many time hit power button wake turn hold power button second reset happened multiple firmware version also auto brightness tendency stay bright melt eye night screen quality nice time starting able see something behind screen sure individual led related digitizer touch sensor look like small ring although admit phone already taken beating protect case since inexpensive device overall though speed responsiveness nice best device ever owned price paid unhappy speaker fairly impressive get nice loud end light thin impressive probably impressive phone available le money want something flagship year ago downside might end marshmallow like phone upgraded leave stock x came probably going disappointed phone know impressed firmware update arrived'],

['great phone price bug minor one think every phone camera powerful interface smooth offer cool unusual feature right size recommend'],

['love phone great camera great storage great screen great speaker thing trouble getting service lot dead zone phone boyfriend service provider usually signal'],

['stop working month garbage'],

['great phone sister love'],

['love phone'],

['slipped lap sitting chair falling foot ground screen exploded yeah fault dropped many phone life dropped much higher distance never happened'],

['piece crap purchased may return work paperweight'],

['good phone'],

['phone nice bought stereo speaker built disappoint speaker loud screen clear show good video size right hand inverting screen great feature use'],

['bought two phone full price actual customer review one may biased received free discount month ago still really love spent quite bit time researching option available price range phone looked great value really pleased purchase use mobile one pre paid plan good experience phone mobile also going traveling outside country phone come unlocked support band need pro screen look great bright crisp camera take nice picture video phone fit nicely hand look feel like much expensive phone build quality excellent charge couple day normal use battery seems last respectable amount time sound reviewer mentioned excellent thing really put sound gone day able hear phone ring playing music sound great stereo one speaker end phone phone reversible microphone speaker end matter way facing pick answer phone take care based orientation using gyro sensor really must feature kind nice play video youtube well feel smooth responsive every app tried value money great would still happy paid con wish supported dual sim card instead one get microsd card spot instead bad people probably need one sim card slot anyway wish volume could adjusted smaller increment phone fault android thing deal breaker closing pleased purchase two phone would quickly happily buy looking great unlocked gsm phone want pay arm leg give one try highly

recommend'],

['nice phone simple phone work good maybe camera perfect price worthy phone caribbean phone work ok indeed unlocked'],

['excellent'],

['worst phone ever ever worst terrible dont buy hold battery 1e day'],

['speaker clear find reversible feature useful needed gb rom fit criterion'],

['seems great little phone saw would cost get new samsung replace old shopped around bought alcatel idol amazon week pretty much thrilled well work setup bump cloud file date advice update contact file including downloads picture cluttering new phone junk log google account yes even email stuff updated synched old phone also perhaps alcatel phone unlocked service provider proprietary device wake hand knowing handle internet data enter range wifi password internet work fine get work wifi need setup mobile network might easy selecting provider setting wireless network mobile network access point name either select yourprovider might need enter info manually provider listed found listing online searching alcatel apn setting need carrier preconfigured choice described earlier unlocked feature great mean phone work sim chip provider switch verizon sprint service provider phone work instantly soon insert chip also travel foreign country addition able function multiple network able buy chip country put phone travelled know talking using phone wonderful foreign country note phone accepted memory chip addition sim see get dual sim option understand little chip carrier removed pushing paper clip tiny hole left side phone little tray slide way chip fit snugly must sort balanced set carefully inserted gently actually surprised worked whole process seemed require faith skill phone small compact easy forgive space saving compromise compared camera seems fine got accustomed popping back samsung dropping newly charged battery alcatel sealed guess battery dy need send service replace whole thing general think enough good reason give phone try low risk alcatel also make phone want bigger unit option know sound almost evangelical pay attention detail seems like winner'],

['love definitely worth great price owed mine six month love second alcatel phone owed bought new one ready upgrade love phone price wonderful'],

['wow phone recomend excellent'],

['nice phone'],

['perfect unlocked android phone light weight slim phone worked flawlessly prepaid g lte coverage available'],

['never trust positive review alcatel phone lasted two day problem started battery draining within hour unplugging phone without even using phone installing apps email set push notification wifi gps like used phone next problem phone switching earpiece speaker phone multiple time phone call returned phone try new moto g'],

['title say great little phone time could see using phone inch idol inch incredible coming someone using one largest phablets around sony xperia z ultra offer nice compact clean design asthetic great dual front facing speaker lil touch customization mainly icon apps top stock android writing review processing package concerned first actually use device tailor liking realize snappy responsive really complaint alcatel go create enough accessory phone kinda difficult find decent case enjoy design language much willing go naked one

conclusion happy purchase may consider buying inch sibling road'],

['personally love phone someone many many phone roughly year know like sick huge screen footprint perfect mean flag ship device treated crisp screen good camera wonderful front facing speaker buck prime got day free shipping gb moto g model leaving collection phone power user phone great everything want averaged hour sot wifi buy confidence'],

['excellent budget android phone unhappy previous phone time felt like finding right phone decent price impossible wanted g lte unlocked gsm gb internal expandable storage sd slot needed le comfortably fit hand wallet found compact phone would work would cost upwords used phone fit criterion know decreasing size downgraded spec version simple smartphone user need top line phone phone lighter better spec old phone happy'],

['edit completely altered original review unit longer many problem originally encountered call drop problem actually caused way phone handling skype app still light bleed issue reason dropping star otherwise pretty good phone one potential issue phone really integrate well expandable memory hardly android issue exclusive onetouch'],

['happy purchased phone switched samsung galaxy note outdated big sick went mobile upgrade new phone find one significantly smaller note screen make normal sized phone anymore alcatel onetouch idol come play perfect size thing big phone name good spec somebody need phone normal use yes fastest phone money beat honest snappy screen quality great mention mp camera extremely fast take good quality pic highly recommend phone also note experience amazon free shipping extremely slow would upgrade next available shipping method want phone le week'],

['purchased version wks wanted see smaller version would larger version smaller packaging bit disappointed battery life important feature device screen also stunning larger price decent phone purely impressed still version little negative remark definitely large thing like recommend version budget phone'],

['day day phone samsung note wanted smaller phone time samsung large idol day people serious gaming cell great bargain light software basically stock android quite snappy screen satisfactory battery life seems ok enough power last whole day charging quite quick real negative see sim microsd card tray pain use issue swap phone lot wifi way compared high end phone price everything probably phone user need interesting see many peopple keep buying high end phone american cell phone company playing subsidy game anymore people realize much free phone really cost'],

['though hour super impressed alcatel onetouch idol inch smartphone name terrible though great time affordable mid range unlocked contract smartphones phone slot two model rd generation moto g ram gb v gb similar spec expensive moto g model price le expensive moto g model bought alcatel instead moto g smaller sleeker design inch v inch screen half thin terrific front facing stereo speaker screen sharp speaker loud idol look similar old google nexus owned slimmer sleeker plasticity little smaller iphone despite screen size thin moto g much durable build waterproof suspect better support alcatel moto g make great backup travel phone also starter smartphones teen also solid everyday phone consumer wireless company move away contract subsidizing phone wonder whether

folk start moving mid range phone many folk paying every two year new phone without really knowing perhaps apple safe high end clientele least company like samsung vulnerable phone good enough typical user performance comparable flagship phone two year ago worry bit durability given material made probably buy case phone sleek attractive kind want put one five star amazing value quality price ratio phone terrific'],

['phone blown away expectation world full phablets cell phone seem getting larger larger expensive well becoming seemingly harder harder find small phone actually perform phone well initially owned lg g thought realized man insane spending cell phone decided return lg g give alcatel idol try loved phone still larger hoping yet released one day checked amazon made exchange happier people may complain spec compared current flagship phone good thing year half ago saw spec phone would blown away think flagship phone year two ago bad slow etc top line phone spec better phone said experienced single hiccup phone yet lag switching screen apps delay taking picture freezing apps crashing ask really need phone spec phone offering pro screen beautiful p need p gorgeous look nice lg g know awesome screen p battery life lower resolution greatly improve battery life sound jbl front facing stereo speaker magnificent sound loud clear watching music video listening music even alarm impressive volume clarity jbl headphone come phone also excellent sound come different size earbuds ensure good fit speed fast lag switching apps browsing web multitasking sending email etc one review read elsewhere phone stated typing phone would sometimes lag catch typing fast typer yet experience ymmv size perfect everything done one hand fit well palm thin camera mp rear mp front take excellent photo importantly take photo quickly one year old wait second pressing capture button often time make miss shot end blurry idol take almost instantly time battery life impressed slower processor lower resolution screen help improve battery life greatly using phone pretty much non stop since getting heavy texter social medium user use music player bluetooth speaker bluetooth stereo headset hour day setting phone redownloading apps previous phone constantly end day still plenty charge left imagine average user problem getting day heavy user may able well cost beat obviously phone absolute steal con brand alcatel bad popular mean little rd party support accessory whatnot currently tempered glass screen protector available amazon mr shield fitment poor lot case available time hopefully change people realize gem phone actually start buying overall phone amazing well worth money imagine would requires phone cost phone honestly size perfect fast sound incredible battery life awesome alcatel real winner phone competition see price point would new moto g however love form factor design alcatel'],

['amazon service excellent hence review deserves atleast star heard model feb announced ce much interested form factor fan hefty phone waiting buy since think released uk region june u september considering phone priced initial launch hoping priced didnt bought tax anyway though good initial day battery drain min non usage phone constant reboot especially using camera made return get second phone second phone turn et factory reset able turn worked fine day ala problem could resist return back amazon good process hence would buy amazon knowing purchase protected day october product available notice problem inventory let know resolved sure got two defective item noticed good feedback phone somehow

phone didnt work good buy alcatel'],

['replacement alcatel idol stolen like due size thinking replacing justify buying another phone reason always found bit large hand pocket perfect hand slightly slower slowdown barely noticeable phone also release yet latest version android however work perfectly box everything phone bloatware antivirus program couple small apps easily removed pure android experience get box price build quality general ease use highly recommend anyone iphones'],

['wonderful love'],

['great phone far great price'],

['phone great smaller phone market time purchase couple month spec fantastic price o liveable previous phone nexus hope good next couple year much money win win quality product'],

['really happy phone especially price light easy operate recommend'],

['phone awful performance configuration mentioned product description paper look like nothing work issue facing battery suck big time made sure battery went bed morning reading batter power left activity phone battery drain reason lte never worked far please argue able get lte speed cell phone service provider also network drop get back never happened age old android phone phone performance suck hard believe configuration mentioned choke perform hardly application installed newly phone game phone bought phone day back p outlook phone look good sound good thanks jbl surprised amazon sell cheap par phone perform per description love shop amazon confidence doubt update thing turned worse worst email sent amazon issue phone connecting phone network day two got phone issue battery also registered return unfortunately return due circumstance situation really worse seeing signal reception phone friend office colleague manager started complaining time call hitting voice mail initially thought issue carrier last month figured problem phone last couple week phone even attempting connect using samsung basic smart phone able place receive call real nightmare lost important interview call well alcatel phone taken picture ref comparing old samsung alcatel phone unable add please help regard bought phone sold amazon thanks'],

['love phone'],

['great unlocked phone doesnt come insane amount bloatware work camera average take decent picture adequate sunlight suffers indoor lowlight'],

['ambidextrous gimmick sometimes screw phone call people say sound distant could mean mic speaker switch fast rest phone phone also shuts random charging car mobile battery still pretty solid price though'],

['work fine suspect one received fake'],

['last phone worked perfectly dropped water needed get new one new one got keep restarting every time drop hard surface might battery problem sure anyway bad cost'],

['alcatel smartphone second one function need google search phone gps e mail wish gps aa little sooner driving direction much easier use car navigator'],

['star phone star price wicked fat purpose document editing online banking paying bill uber sketching torrenting heavy map usage scream got apps installed run simultaneously without hiccup speed killer thing heavy gaming year old minecraft goat simulator type game nothing press hardware deal mileage may vary

though shocked handle well enough final note dual front speaker clearest loudest owned phone external bluetooth speaker switched phone speaker several people believe boom never owned alcatel never heard amazon search like every product bought never given dime towards discount free gear hint hint amazon'],

['dont buy phone died five week alcatel return call customer service cannot get information need phone warranty alcatel asks number back exist model cannot send phone service great get one year warranty company ignores honor warranty might well offer life time warranty phone bite company horrible'],

['ok'],

['great money sound quality amazing'],

['good'],

['broke easily pissed'],

['phone month dropped screen first time cracked usually cracked screen phone still functional case idol fine first really nice design great display camera could better cant complain considering price tag thing cracked screen problem phone oddly buggy certain apps would use like snapchat miitomo would stop responding whenever used'],

['perfect quality fast performance'],

['started looking new phone criterion front facing speaker decent gaming experience update one two budget smartphones found yes two almost bought nexus x saw could update android bought nice vivid bright display jbl speaker good loud decent battery life especially watch occasional youtube video g lte work well fast wifi get hi fps riptide gp high setting game video work well really want immersive experience small price tag phone would recommend oh btw update android activate service plan tweak apn setting update keep using phone service le hassle month love'],

['everything ok phone perfect'],

['decent mid range phone everything need taste varies per person marshmallow o great sound awesome little slow area big deal breaker price definitely worth looking'],

['nice'],

['phone sleek design comfortable froze three occasion multitask end several apps running making call happened three different occasion one month use phone stolen colleague loved phone wanted place order sound good loud appropriate picture clear built music player turntable fantastic gaming also fun reversible o bomb placed another order replace missing phone already love volume key camera shutter make taking multiple shot much easier convenient camera even activated screen locked without unlocking phone finally love eye unlock difficult using feature night insufficient light complemented another option e pin code tried lock phone many time turning never seemed get right try though much time experiment feature phone loosing surely spend time next one bad inch single sim would loved dual sim also wished inbuilt radio wireless could play without inserting earpiece jack delivery content got time box contained item outlined amazon new working'],

['favorite smartphone time cheap dirt value hardware second none power camera app three audio apps soundcloud bandcamp spotify medicore definitely playable pokemon go ability light google drive use keep chugging definitely sacrifice bit

structural durability save cost please put case withstand many hard fall'],
 ['money phone nice feature top brand loudspeaker phone reversible ui nice vivid display big'],
 ['good phone'],
 ['honest device like first wanted sell next hr opening messed packaging destroyed tbh package device flawless device course lol downloaded ton apps well ton lot last phone love phone fast definitely slim however go go facebook cant go live top cant emojis like heart button like etc please bring back'],
 ['gift brother absolutely love perfect fit man pocket great speaker con mention battery life one great feature design seems like expensive cell phone'],
 ['seems great phone reasonable price point spec'],
 ['unlocked phone returned'],
 ['good'],
 ['late smartphone bandwagon mostly plan price phone price found mo tmobile prepaid plan left find phone lot lot research month landed model price ram review availability tmobile band since first phone anything compare love go back basic approaching month complaint software usability call quality great could work area maybe bad reception getting sim card chore card kept falling trying slide back frustrating eventually got camera fine display great sound god sound blew away overall go wrong price bought case screen protector amazon well highly recommend looking phone much bloatware enough ram easy usability'],
 ['nice phone goto marshmallow'],
 ['idol best phone ever owned owned plenty high priced cell phone past unlocked way go'],
 ['goog'],
 ['replaced galaxy idol could happier snappy fast clear display basically stock android none samsung bloat ware remove size fit pocket easy operate one hand battery last day solid use love phone great purchase'],
 ['rarely write review believe greater good share experience iphone iphone past reason iphone past reliability battery life however switch another phone broke iphone want pay premium price get another phone looking option best value money alcatel one touch idol hidden gem far extremely happy phone image quality superb even though p screen resolution find difference iphone higher resolution phone fact vibrant screen make much appealing rather neutral iphone next sound quality speaker wow believe phone incredible speaker love watching netflix youtube listening music phone wife cannot figure sound coming cell phone television next important factor battery phone till observed life good iphone phone juice left towards end day iphone surprised thats fact though phone drain battery navigation app used complain apps start run fine occasion app may fire case would free memory would work fine hardly concern another best feature phone form factor phone thin immediately draw attention besides thin light feel pocket perfect size phone big small perfect reading watching chatting day day activity love phone believe wasting money iphones much better option android really give much better option customize widget would suggest new user spend sometime personalize phone better wallpaper widget changing default option apps love much go would bet amazed'],
 ['great phone cost wife like big phone want stuck typical cheap phone get

smaller size call clear hd call supported mobile screen great quality phone size photo bad performance way better expected fact gb space gb ram make really worth money compared phone price range gb space gb ram downside mobile user support band area issue recommended want smaller good performing phone'],

['phone seemed great beginning proven terrible purchase bought one husband constant call quality issue dropped cell phone definitely fault corner slightly cracked woke morning leaving phone table overnight crack spread throughout top half screen screen longer work replace screen almost phone cost would great phone slow power terrible call quality clearly terribly designed screen buyer beware'],

['price unbeatable buy screen protector silly silly mistake'],

['excellent phone price wise result handset quite good overall good purchase'],

['month bought product internal storage gb phone stop vibrating month ago thinking getting warranty design sleek beautiful'],

['android go little awkward sometimes crash time overheats nothing worst thing cellphone screen broke week use playing cytus music game press bubble score suddenly play anymore looked screen broken corner corner really know hit screen hard think material way bad pretty excited smartphone since reminded old moto g recommend buying phone'],

['love'],

['really like phone need rather small come electronics play game watch movie like lot apps refuse pay piece equipment obsolete next year said phone great phone yes actually use phone come clear android come google play get fancy apps take great picture user friendly literally plugged sim card good go established brand much luck breaking u market suspect everyone always asking phone samsung much prefer one feel like stuck limited expensive selection carrier provide ton great phone may fashionable everything big boy third price homework'],

['excellent'],

['nice solid android smartphone wear phone belt wanted keep smaller footprint display really good speaker great satisfied add phone bill like buying phone new plan'],

['good cellphone'],

['one best phone bought'],

...]

9 Create a Bag of words model¶

```
[36]: from sklearn.feature_extraction.text import CountVectorizer
cv = CountVectorizer(max_features = 400000)
corpus_lemmatized = [str(i) for i in corpus_lemmatized]
X = cv.fit_transform(corpus_lemmatized).toarray()
df1 = df1.iloc[:len(corpus_lemmatized),:]
y = df1['Rating'].values
```

```
[37]: X
```

```
[37]: array([[0, 0, 0, ..., 0, 0, 0],
           [0, 0, 0, ..., 0, 0, 0],
           [0, 0, 0, ..., 0, 0, 0],
           ...,
           [0, 0, 0, ..., 0, 0, 0],
           [0, 0, 0, ..., 0, 0, 0],
           [0, 0, 0, ..., 0, 0, 0]], dtype=int64)
```

```
[38]: y
```

```
[38]: array([5, 4, 5, ..., 5, 5, 5], dtype=int64)
```

```
[39]: y.shape
```

```
[39]: (20678,)
```

```
[40]: X.shape
```

```
[40]: (20678, 10514)
```

```
[41]: import pandas as pd
import numpy as np
from sklearn.model_selection import train_test_split
from sklearn.metrics import accuracy_score, classification_report
from sklearn.ensemble import RandomForestClassifier
from sklearn.svm import SVC
from sklearn.neighbors import KNeighborsClassifier
from sklearn.naive_bayes import GaussianNB
from sklearn.naive_bayes import MultinomialNB
from sklearn.linear_model import LogisticRegression
```

```
[42]: X_train,X_test,y_train,y_test = train_test_split(X,y,test_size = 0.
↪2,random_state = 15000)
```

10 Initialize and fit several machine learning models:

11 1.Random Forest Classifier

```
[48]: # Random Forest Classifier
rf = RandomForestClassifier(n_estimators=100, random_state=500)
rf.fit(X_train, y_train)
```

```
[48]: RandomForestClassifier(random_state=500)
```

```
[49]: rf_pred = rf.predict(X_test)
rf_acc = accuracy_score(y_test, rf_pred)
```

```
print("Random Forest Classifier accuracy:", rf_acc)
print("Random Forest Classifier classification report:\n",
      ↪classification_report(y_test, rf_pred))
```

Random Forest Classifier accuracy: 0.8471953578336557

Random Forest Classifier classification report:

	precision	recall	f1-score	support
1	0.81	0.93	0.86	902
2	0.89	0.59	0.71	255
3	0.97	0.59	0.73	326
4	0.88	0.53	0.66	530
5	0.85	0.96	0.90	2123
accuracy			0.85	4136
macro avg	0.88	0.72	0.77	4136
weighted avg	0.86	0.85	0.84	4136

12 2.Naive Bayes

```
[50]: from sklearn.naive_bayes import GaussianNB

# Gaussian Naive Bayes Classifier
gnb = GaussianNB()
gnb.fit(X_train, y_train)
```

[50]: GaussianNB()

```
[51]: # Make predictions
gnb_pred = gnb.predict(X_test)

# Evaluate accuracy
gnb_acc = accuracy_score(y_test, gnb_pred)
print("Gaussian Naive Bayes Classifier accuracy:", gnb_acc)
print("Gaussian Naive Bayes Classifier classification report:\n",
      ↪classification_report(y_test, gnb_pred))
```

Gaussian Naive Bayes Classifier accuracy: 0.29593810444874274

Gaussian Naive Bayes Classifier classification report:

	precision	recall	f1-score	support
1	0.70	0.39	0.50	902
2	0.09	0.79	0.15	255
3	0.33	0.40	0.36	326
4	0.38	0.29	0.33	530
5	0.80	0.18	0.30	2123

accuracy			0.30	4136
macro avg	0.46	0.41	0.33	4136
weighted avg	0.64	0.30	0.34	4136

13 3.Naive_Bayes MultinomialNB

```
[52]: from sklearn.naive_bayes import MultinomialNB
```

```
# Multinomial Naive Bayes Classifier
mnb = MultinomialNB()
mnb.fit(X_train, y_train)
```

```
[52]: MultinomialNB()
```

```
[53]: # Make predictions
mnb_pred = mnb.predict(X_test)

# Evaluate accuracy
mnb_acc = accuracy_score(y_test, mnb_pred)
print("Multinomial Naive Bayes Classifier accuracy:", mnb_acc)
print("Multinomial Naive Bayes Classifier classification report:\n",
      ↪classification_report(y_test, mnb_pred))
```

Multinomial Naive Bayes Classifier accuracy: 0.7284816247582205

Multinomial Naive Bayes Classifier classification report:

	precision	recall	f1-score	support
1	0.70	0.85	0.77	902
2	0.67	0.14	0.23	255
3	0.68	0.19	0.30	326
4	0.57	0.25	0.34	530
5	0.75	0.95	0.84	2123
accuracy			0.73	4136
macro avg	0.68	0.48	0.50	4136
weighted avg	0.71	0.73	0.68	4136

14 Ans : The best model is Random Forest Classifier and it can give the best accuracy as 84.71%

t5hobedhn

March 12, 2023

1: Exploratory Data Analysis and Preprocessing

Sentiment analysis on 1.6 million tweets. Context This is the sentiment140 dataset. It contains 1,600,000 tweets extracted using the twitter api . The tweets have been annotated (0 = negative, 4 = positive) and they can be used to detect sentiment

```
[63]: !pip install torch
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-
wheels/public/simple/
```

```
Requirement already satisfied: torch in /usr/local/lib/python3.9/dist-packages
(1.13.1+cu116)
```

```
Requirement already satisfied: typing-extensions in
/usr/local/lib/python3.9/dist-packages (from torch) (4.5.0)
```

```
[64]: import torch
      from tqdm.notebook import tqdm
      import numpy as np
      import pandas as pd
```

```
[65]: df = pd.read_csv("/content/drive/MyDrive/Data/tweets.csv",encoding='latin-1')
```

```
[66]: df
```

```
[66]:      2401  Borderlands  Positive  \
0      2401  Borderlands  Positive
1      2401  Borderlands  Positive
2      2401  Borderlands  Positive
3      2401  Borderlands  Positive
4      2401  Borderlands  Positive
...    ...      ...      ...
74676  9200      Nvidia  Positive
74677  9200      Nvidia  Positive
74678  9200      Nvidia  Positive
74679  9200      Nvidia  Positive
74680  9200      Nvidia  Positive
```

```
      im getting on borderlands and i will murder you all ,
0      I am coming to the borders and I will kill you...
```



```

1      im getting on borderlands and i will kill you ...
2      im coming on borderlands and i will murder you...
3      im getting on borderlands 2 and i will murder ...
4      im getting into borderlands and i can murder y...
...
74676  Just realized that the Windows partition of my...
74677  Just realized that my Mac window partition is ...
74678  Just realized the windows partition of my Mac ...
74679  Just realized between the windows partition of...
74680  Just like the windows partition of my Mac is l...

```

[74681 rows x 4 columns]

```
[67]: df.head()
```

```

[67]:    2401  Borderlands  Positive  \
0  2401  Borderlands  Positive
1  2401  Borderlands  Positive
2  2401  Borderlands  Positive
3  2401  Borderlands  Positive
4  2401  Borderlands  Positive

```

```

      im getting on borderlands and i will murder you all ,
0  I am coming to the borders and I will kill you...
1  im getting on borderlands and i will kill you ...
2  im coming on borderlands and i will murder you...
3  im getting on borderlands 2 and i will murder ...
4  im getting into borderlands and i can murder y...

```

```
[68]: df.tail()
```

```

[68]:    2401  Borderlands  Positive  \
74676  9200      Nvidia  Positive
74677  9200      Nvidia  Positive
74678  9200      Nvidia  Positive
74679  9200      Nvidia  Positive
74680  9200      Nvidia  Positive

```

```

      im getting on borderlands and i will murder you all ,
74676  Just realized that the Windows partition of my...
74677  Just realized that my Mac window partition is ...
74678  Just realized the windows partition of my Mac ...
74679  Just realized between the windows partition of...
74680  Just like the windows partition of my Mac is l...

```

```
[69]: df.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 74681 entries, 0 to 74680
Data columns (total 4 columns):
#   Column                                     Non-Null Count
Dtype
---  ---
0    2401                                     74681 non-null
int64
1    Borderlands                             74681 non-null
object
2    Positive                                 74681 non-null
object
3    im getting on borderlands and i will murder you all , 73995 non-null
object
dtypes: int64(1), object(3)
memory usage: 2.3+ MB

```

```
[70]: df.describe()
```

```

[70]:          2401
count  74681.000000
mean    6432.640149
std     3740.423819
min       1.000000
25%     3195.000000
50%     6422.000000
75%     9601.000000
max    13200.000000

```

```
[71]: df = df.drop(["2401", "Borderlands"], axis=1)
```

```
[72]: df
```

```

[72]:          Positive im getting on borderlands and i will murder you all ,
0          Positive I am coming to the borders and I will kill you...
1          Positive im getting on borderlands and i will kill you ...
2          Positive im coming on borderlands and i will murder you...
3          Positive im getting on borderlands 2 and i will murder ...
4          Positive im getting into borderlands and i can murder y...
...
74676      Positive Just realized that the Windows partition of my...
74677      Positive Just realized that my Mac window partition is ...
74678      Positive Just realized the windows partition of my Mac ...
74679      Positive Just realized between the windows partition of...
74680      Positive Just like the windows partition of my Mac is l...

```

[74681 rows x 2 columns]

```
[73]: # rename a single column
df = df.rename(columns={'Positive': 'Rating', 'im getting on borderlands and i
↳ will murder you all ', ": 'Reviews' })
```

```
[74]: df
```

```
[74]:
```

	Rating	Reviews
0	Positive	I am coming to the borders and I will kill you...
1	Positive	im getting on borderlands and i will kill you ...
2	Positive	im coming on borderlands and i will murder you...
3	Positive	im getting on borderlands 2 and i will murder ...
4	Positive	im getting into borderlands and i can murder y...
...
74676	Positive	Just realized that the Windows partition of my...
74677	Positive	Just realized that my Mac window partition is ...
74678	Positive	Just realized the windows partition of my Mac ...
74679	Positive	Just realized between the windows partition of...
74680	Positive	Just like the windows partition of my Mac is l...

[74681 rows x 2 columns]

```
[75]: df.shape
```

```
[75]: (74681, 2)
```

```
[76]: df = df.dropna()
```

```
[77]: df
```

```
[77]:
```

	Rating	Reviews
0	Positive	I am coming to the borders and I will kill you...
1	Positive	im getting on borderlands and i will kill you ...
2	Positive	im coming on borderlands and i will murder you...
3	Positive	im getting on borderlands 2 and i will murder ...
4	Positive	im getting into borderlands and i can murder y...
...
74676	Positive	Just realized that the Windows partition of my...
74677	Positive	Just realized that my Mac window partition is ...
74678	Positive	Just realized the windows partition of my Mac ...
74679	Positive	Just realized between the windows partition of...
74680	Positive	Just like the windows partition of my Mac is l...

[73995 rows x 2 columns]

```
[78]: df.shape
```

```
[78]: (73995, 2)
```

```
[79]: set(df.Rating)
```

```
[79]: {'Irrelevant', 'Negative', 'Neutral', 'Positive'}
```

```
[80]: df.Rating.value_counts()
```

```
[80]: Negative      22358  
      Positive     20654  
      Neutral     18108  
      Irrelevant   12875  
      Name: Rating, dtype: int64
```

```
[81]: df = df[df.Rating.isin(['Irrelevant', 'Negative', 'Neutral', 'Positive'])]
```

```
[82]: df.Rating.value_counts()
```

```
[82]: Negative      22358  
      Positive     20654  
      Neutral     18108  
      Irrelevant   12875  
      Name: Rating, dtype: int64
```

```
[83]: possible_labels = df.Rating.unique()
```

```
[84]: possible_labels
```

```
[84]: array(['Positive', 'Neutral', 'Negative', 'Irrelevant'], dtype=object)
```

```
[85]: label_dict = {}  
      for index, possible_label in enumerate(possible_labels):  
          label_dict[possible_label] = index
```

```
[86]: label_dict
```

```
[86]: {'Positive': 0, 'Neutral': 1, 'Negative': 2, 'Irrelevant': 3}
```

```
[87]: df.Rating.unique()
```

```
[87]: array(['Positive', 'Neutral', 'Negative', 'Irrelevant'], dtype=object)
```

```
[88]: df.Rating = df['Rating'].map(label_dict)
```

```
[89]: df.Rating.unique()
```

```
[89]: array([0, 1, 2, 3])
```

```
[90]: df.head(10)
```

```
[90]:
```

	Rating	Reviews
0	0	I am coming to the borders and I will kill you...
1	0	im getting on borderlands and i will kill you ...
2	0	im coming on borderlands and i will murder you...
3	0	im getting on borderlands 2 and i will murder ...
4	0	im getting into borderlands and i can murder y...
5	0	So I spent a few hours making something for fu...
6	0	So I spent a couple of hours doing something f...
7	0	So I spent a few hours doing something for fun...
8	0	So I spent a few hours making something for fu...
9	0	2010 So I spent a few hours making something f...

2: Training/Validation Split

```
[91]: from sklearn.model_selection import train_test_split
```

```
[92]: X_train, X_val, y_train, y_val = train_test_split(df.index.values,
                                                    df.Rating.values,
                                                    test_size=0.15,
                                                    random_state=42,
                                                    stratify=df.Rating.values)
```

```
[93]: df.head()
```

```
[93]:
```

	Rating	Reviews
0	0	I am coming to the borders and I will kill you...
1	0	im getting on borderlands and i will kill you ...
2	0	im coming on borderlands and i will murder you...
3	0	im getting on borderlands 2 and i will murder ...
4	0	im getting into borderlands and i can murder y...

```
[94]: df['data_type'] = ['not_set']*df.shape[0]
```

```
[95]: df.head()
```

```
[95]:
```

	Rating	Reviews	data_type
0	0	I am coming to the borders and I will kill you...	not_set
1	0	im getting on borderlands and i will kill you ...	not_set
2	0	im coming on borderlands and i will murder you...	not_set
3	0	im getting on borderlands 2 and i will murder ...	not_set
4	0	im getting into borderlands and i can murder y...	not_set

```
[96]: df.loc[X_train, 'data_type'] = 'train'
df.loc[X_val, 'data_type'] = 'val'
```

```
[97]: df
```

```
[97]:
```

	Rating	Reviews	data_type
0	0	I am coming to the borders and I will kill you...	train
1	0	im getting on borderlands and i will kill you ...	train
2	0	im coming on borderlands and i will murder you...	train
3	0	im getting on borderlands 2 and i will murder ...	train
4	0	im getting into borderlands and i can murder y...	train
...
74676	0	Just realized that the Windows partition of my...	train
74677	0	Just realized that my Mac window partition is ...	train
74678	0	Just realized the windows partition of my Mac ...	val
74679	0	Just realized between the windows partition of...	train
74680	0	Just like the windows partition of my Mac is l...	val

[73995 rows x 3 columns]

```
[98]: df.groupby(['Rating', 'data_type']).count()
```

```
[98]:
```

	Rating	data_type	Reviews
0	train	17556	
	val	3098	
1	train	15391	
	val	2717	
2	train	19004	
	val	3354	
3	train	10944	
	val	1931	

3. Loading Tokenizer and Encoding our Data

```
[99]: !pip install transformers
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-
wheels/public/simple/
Requirement already satisfied: transformers in /usr/local/lib/python3.9/dist-
packages (4.26.1)
Requirement already satisfied: huggingface-hub<1.0,>=0.11.0 in
/usr/local/lib/python3.9/dist-packages (from transformers) (0.13.1)
Requirement already satisfied: regex!=2019.12.17 in
/usr/local/lib/python3.9/dist-packages (from transformers) (2022.6.2)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.9/dist-
packages (from transformers) (6.0)
Requirement already satisfied: numpy>=1.17 in /usr/local/lib/python3.9/dist-
packages (from transformers) (1.22.4)
Requirement already satisfied: requests in /usr/local/lib/python3.9/dist-
packages (from transformers) (2.25.1)
```

Requirement already satisfied: filelock in /usr/local/lib/python3.9/dist-packages (from transformers) (3.9.0)
 Requirement already satisfied: tokenizers!=0.11.3,<0.14,>=0.11.1 in /usr/local/lib/python3.9/dist-packages (from transformers) (0.13.2)
 Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.9/dist-packages (from transformers) (23.0)
 Requirement already satisfied: tqdm>=4.27 in /usr/local/lib/python3.9/dist-packages (from transformers) (4.65.0)
 Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.9/dist-packages (from huggingface-hub<1.0,>=0.11.0->transformers) (4.5.0)
 Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.9/dist-packages (from requests->transformers) (2022.12.7)
 Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.9/dist-packages (from requests->transformers) (1.26.14)
 Requirement already satisfied: chardet<5,>=3.0.2 in /usr/local/lib/python3.9/dist-packages (from requests->transformers) (4.0.0)
 Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.9/dist-packages (from requests->transformers) (2.10)

```
[100]: from transformers import BertTokenizer
       from torch.utils.data import TensorDataset
```

```
[101]: tokenizer = BertTokenizer.from_pretrained(
        'bert-base-uncased',
        do_lower_case=True
    )
```

```
[102]: encoded_data_train = tokenizer.batch_encode_plus(

        df[df.data_type=='train'].Reviews.values,
        add_special_tokens=True,
        return_attention_mask=True,
        pad_to_max_length=True,
        max_length=256,
        return_tensors='pt'
    )

    encoded_data_val = tokenizer.batch_encode_plus(
        df[df.data_type=='val'].Reviews.values,
        add_special_tokens=True,
        return_attention_mask=True,
        pad_to_max_length=True,
        max_length=256,
        return_tensors='pt'
    )
```

```

input_ids_train = encoded_data_train['input_ids']
attention_masks_train = encoded_data_train['attention_mask']
labels_train = torch.tensor(df[df.data_type=='train'].Rating.values)

input_ids_val = encoded_data_val['input_ids']
attention_masks_val = encoded_data_val['attention_mask']
labels_val = torch.tensor(df[df.data_type=='val'].Rating.values)

```

Truncation was not explicitly activated but `max_length` is provided a specific value, please use `truncation=True` to explicitly truncate examples to max length. Defaulting to 'longest_first' truncation strategy. If you encode pairs of sequences (GLUE-style) with the tokenizer you can select this strategy more precisely by providing a specific strategy to `truncation`.

/usr/local/lib/python3.9/dist-

packages/transformers/tokenization_utils_base.py:2339: FutureWarning: The `pad_to_max_length` argument is deprecated and will be removed in a future version, use `padding=True` or `padding='longest'` to pad to the longest sequence in the batch, or use `padding='max_length'` to pad to a max length. In this case, you can give a specific length with `max_length` (e.g. `max_length=45`) or leave max_length to None to pad to the maximal input size of the model (e.g. 512 for Bert).

warnings.warn(

```
[103]: input_ids_train
```

```

[103]: tensor([[ 101, 1045, 2572, ..., 0, 0, 0],
              [ 101, 10047, 2893, ..., 0, 0, 0],
              [ 101, 10047, 2746, ..., 0, 0, 0],
              ...,
              [ 101, 2074, 3651, ..., 0, 0, 0],
              [ 101, 2074, 3651, ..., 0, 0, 0],
              [ 101, 2074, 3651, ..., 0, 0, 0]])

```

```

[104]: dataset_train = TensorDataset(input_ids_train,
                                     attention_masks_train,
                                     labels_train)

dataset_val = TensorDataset(input_ids_val,
                             attention_masks_val,
                             labels_val)

```

```
[105]: len(dataset_train)
```

```
[105]: 62895
```

```
[106]: dataset_val.tensors
```



```
[106]: (tensor([[ 101, 2230, 2061, ..., 0, 0, 0],
               [ 101, 2600, 1011, ..., 0, 0, 0],
               [ 101, 2600, 1011, ..., 0, 0, 0],
               ...,
               [ 101, 10036, 2097, ..., 0, 0, 0],
               [ 101, 2074, 3651, ..., 0, 0, 0],
               [ 101, 2074, 2066, ..., 0, 0, 0]]),
        tensor([[1, 1, 1, ..., 0, 0, 0],
               [1, 1, 1, ..., 0, 0, 0],
               [1, 1, 1, ..., 0, 0, 0],
               ...,
               [1, 1, 1, ..., 0, 0, 0],
               [1, 1, 1, ..., 0, 0, 0],
               [1, 1, 1, ..., 0, 0, 0]]),
        tensor([0, 1, 1, ..., 2, 0, 0]))
```

4. Setting up BERT Pretrained Model

```
[107]: from transformers import BertForSequenceClassification
```

```
[108]: model = BertForSequenceClassification.from_pretrained(
               'bert-base-uncased',
               num_labels = len(label_dict), #6
               output_attentions = False,
               output_hidden_states = False
           )
```

Some weights of the model checkpoint at bert-base-uncased were not used when initializing BertForSequenceClassification: ['cls.seq_relationship.weight', 'cls.predictions.transform.dense.weight', 'cls.predictions.bias', 'cls.predictions.transform.LayerNorm.weight', 'cls.seq_relationship.bias', 'cls.predictions.transform.dense.bias', 'cls.predictions.decoder.weight', 'cls.predictions.transform.LayerNorm.bias']

- This IS expected if you are initializing BertForSequenceClassification from the checkpoint of a model trained on another task or with another architecture (e.g. initializing a BertForSequenceClassification model from a BertForPreTraining model).

- This IS NOT expected if you are initializing BertForSequenceClassification from the checkpoint of a model that you expect to be exactly identical (initializing a BertForSequenceClassification model from a BertForSequenceClassification model).

Some weights of BertForSequenceClassification were not initialized from the model checkpoint at bert-base-uncased and are newly initialized:

['classifier.weight', 'classifier.bias']

You should probably TRAIN this model on a down-stream task to be able to use it for predictions and inference.

5. Creating Data Loaders

```
[109]: from torch.utils.data import DataLoader, RandomSampler, SequentialSampler
```

```
[110]: dataset_train
```

```
[110]: <torch.utils.data.dataset.TensorDataset at 0x7fca0e8934c0>
```

```
[111]: batch_size = 4

dataloader_train = DataLoader(
    dataset_train,
    sampler=RandomSampler(dataset_train),
    batch_size=batch_size
)

dataloader_val = DataLoader(
    dataset_val,
    sampler=RandomSampler(dataset_val),
    batch_size=32
)
```

6. Setting Up Optimizer and Scheduler

```
[112]: from transformers import AdamW, get_linear_schedule_with_warmup
```

```
[113]: optimizer = AdamW(
    model.parameters(),
    lr = 1e-5,
    eps = 1e-8
)
```

```
/usr/local/lib/python3.9/dist-packages/transformers/optimization.py:306:
FutureWarning: This implementation of AdamW is deprecated and will be removed in
a future version. Use the PyTorch implementation torch.optim.AdamW instead, or
set `no_deprecation_warning=True` to disable this warning
warnings.warn(
```

```
[114]: epochs = 1

scheduler = get_linear_schedule_with_warmup(
    optimizer,
    num_warmup_steps=0,
    num_training_steps = len(dataloader_train)*epochs
)
```

7. Defining our Performance Metrics

```
[115]: import numpy as np
from sklearn.metrics import f1_score
```

```
[116]: def f1_score_func(preds, labels):
    preds_flat = np.argmax(preds, axis=1).flatten()
    labels_flat = labels.flatten()
    return f1_score(labels_flat, preds_flat, average = 'weighted')
```

```
[117]: def accuracy_per_class(preds, labels):
    label_dict_inverse = {v: k for k, v in label_dict.items()}

    preds_flat = np.argmax(preds, axis=1).flatten()
    labels_flat = labels.flatten()

    for label in np.unique(labels_flat):
        y_preds = preds_flat[labels_flat==label]
        y_true = labels_flat[labels_flat==label]
        print(f'Class: {label_dict_inverse[label]}')
        print(f'Accuracy: {len(y_preds[y_preds==label])}/{len(y_true)}\n')
```

8. Creating our Training Loop¶

```
[118]: import random

seed_val = 17
random.seed(seed_val)
np.random.seed(seed_val)
torch.manual_seed(seed_val)
torch.cuda.manual_seed_all(seed_val)
```

```
[119]: device = torch.device('cuda' if torch.cuda.is_available() else 'cpu')
model.to(device)
print(str(device).capitalize())
```

Cuda

```
[120]: def evaluate(model, dataloader_val, device):
    loss_val_total = 0
    predictions, true_vals = [], []

    for batch in dataloader_val:
        batch = tuple(b.to(device) for b in batch)

        with torch.no_grad():
            inputs = {
                'input_ids': batch[0],
                'attention_mask': batch[1],
                'labels': batch[2]
            }
```

```

        outputs = model(**inputs)
        loss = outputs[0]
        logits = outputs[1]
        loss_val_total += loss.item()

        logits = logits.detach().cpu().numpy()
        label_ids = inputs['labels'].cpu().numpy()
        predictions.append(logits)
        true_vals.append(label_ids)

    predictions = np.concatenate(predictions, axis=0)
    true_vals = np.concatenate(true_vals, axis=0)

    return loss_val_total/len(dataloader_val), predictions, true_vals

```

```

[121]: import os

os.environ['CUDA_LAUNCH_BLOCKING'] = '1'

for epoch in tqdm(range(1, epochs+1)):
    model.train() #forward propagation
    loss_train_total = 0

    progress_bar = tqdm(dataloader_train,
                        desc='Epoch {:1d}'.format(epoch),
                        leave=False,
                        disable=False)

    for batch in progress_bar:
        model.zero_grad()
        batch = tuple(b.to(device) for b in batch)
        inputs = {
            'input_ids': batch[0],
            'attention_mask': batch[1],
            'labels': batch[2]
        }

        outputs = model(**inputs)
        loss = outputs[0]
        loss_train_total += loss.item()
        loss.backward() #backwardprop

        torch.nn.utils.clip_grad_norm_(model.parameters(), 1.0)

        optimizer.step()
        scheduler.step()

```

```

        progress_bar.set_postfix({'training_loss': '{:.3f}'.format(loss.item()/
↪len(batch))})

    torch.save(model.state_dict(), f'BERT_ft_Epoch{epoch}.model')

    tqdm.write(f'\nEpoch {epoch}')

    loss_train_avg = loss_train_total/len(dataloader_train)
    tqdm.write(f'Training loss: {loss_train_avg}')

    val_loss, predictions, true_vals = evaluate(model, dataloader_val, device)
    val_f1 = f1_score_func(predictions, true_vals)
    tqdm.write(f'Validation loss: {val_loss}')
    tqdm.write(f'F1 Score (weighted): {val_f1}')

for batch in dataloader_val:
    batch = tuple(b.to(device) for b in batch)

    with torch.no_grad():
        inputs = {
            'input_ids': batch[0],
            'attention_mask': batch[1],
            'labels': batch[2]
        }

        outputs = model(**inputs)
        loss = outputs[0]
        logits = outputs[1]
        loss_val_total += loss.item()

        logits = logits.detach().cpu().numpy()
        label_ids = inputs['labels'].cpu().numpy()
        predictions.append(logits)
        true_vals.append(label_ids)

predictions = np.concatenate(predictions, axis=0)
true_vals = np.concatenate(true_vals, axis=0)

return loss_val_total/len(dataloader_val), predictions, true_vals

```

```

0%|          | 0/1 [00:00<?, ?it/s]
Epoch 1:  0%|          | 0/15724 [00:00<?, ?it/s]

Epoch 1
Training loss: 0.8423451525261054
Validation loss: 0.7144045777382699

```

F1 Score (weighted): 0.7406447574445102

```
-----  
NameError                                Traceback (most recent call last)  
<ipython-input-121-d5676175650c> in <module>  
    58         loss = outputs[0]  
    59         logits = outputs[1]  
--> 60         loss_val_total += loss.item()  
    61  
    62         logits = logits.detach().cpu().numpy()  
  
NameError: name 'loss_val_total' is not defined
```

[]: