### **Challenge 4**

#### **Total Hours:** 10

#### **Challenge Description**

The Challenge will be to classify news items into 1 of 46 categories.

#### **Train Dataset**



#### **Test Dataset**



#### API to submit:

* The dataString variable will be a combination of ID and value. There is no need to submit the column names. It is assumed that the first column is an ID and the second column is the predicted value. In this particular scenario, the value will be from 1 to 46.
* The dataSet data frame is the collection of predicted results (ID mentioned in the test dataset in 1st column and 1 to 46 in 2nd column.
* This will be limited to 3 attempts.
* The baseline score for this challenge is 0.75 and above (matchPercentage).

import requests

dataString = ""

for loop in range(dataSet.shape[0]):

  if loop == 0:

    dataString = str(int(dataSet[loop][0]))+','+str(int(dataSet[loop][1]))

  else:

    dataString = dataString+"\n"+str(int(dataSet[loop][0]))+','+str(int(dataSet[loop][1]))

postData = {}

postData['challengeName'] = 'newsclassification'

postData['userID'] = <<Your Employee Id>>

postData['challengeType'] = 'multiclassification'

postData['submissionsData'] = dataString

url = 'https://8n46gxwibi.execute-api.us-east-2.amazonaws.com/default/computeModelScore'

x = requests.post(url,json=postData)

print(x.text)