print(numeric data.values())

```
dict_values([0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0])
[31] #.....part3(sentence length).....
     sent_len_score={}
     for sentence in sent_tokens:
        sent_len_score[sentence] = 0
        word_tokens = nltk.word_tokenize(sentence)
        if len(word_tokens) in range(0,10):
            sent_len_score[sentence]=1-0.05*(10-len(word_tokens))
        elif len(word_tokens) in range(7,20):
            sent_len_score[sentence]=1
            sent_len_score[sentence]=1-(0.05)*(len(word_tokens)-20)
     for k in sent_len_score.keys():
        sent_len_score[k]=round(sent_len_score[k],4)
     print(sent len score.values())
    dict_values([1, 0.7, 0.45, 1.0, 1, 0.55, 0.85, -0.85, 0.45, 0.3, 1.0, 0.9, 0.9, 0.3])
[32] #.....part4(sentence position).....
     sentence_position={}
     d=1
     no_of_sent=len(sent_tokens)
     for i in range(no_of_sent):
        a=1/d
        b=1/(no_of_sent-d+1)
        sentence_position[sent_tokens[d-1]]=max(a,b)
        d=d+1
     for k in sentence_position.keys():
        sentence_position[k]=round(sentence_position[k],3)
     print(sentence position.values())
    dict_values([1.0, 0.5, 0.333, 0.25, 0.2, 0.167, 0.143, 0.143, 0.167, 0.2, 0.25, 0.333, 0.5, 1.0])
    #Create a frequency table to compute the frequency of each word.
     freqTable = {}
     for word in word_tokens_refined:
        if word in freqTable:
            freqTable[word] += 1
        else:
            freqTable[word] = 1
     for k in freqTable.keys():
        freqTable[k]= math.log10(1+freqTable[k])
     #Compute word frequnecy score of each sentence
     word_frequency={}
     for sentence in sent_tokens:
        word_frequency[sentence]=0
         e=nltk.word_tokenize(sentence)
        f=[]
        for word in e:
           f.append(ps.stem(word))
         for word, freq in freqTable.items():
            if word in f:
                word_frequency[sentence]+=freq
     maximum=max(word_frequency.values())
     for key in word_frequency.keys():
        try:
            word_frequency[key]=word_frequency[key]/maximum
            word_frequency[key]=round(word_frequency[key],3)
         except ZeroDivisionError:
            x=0
     print(word_frequency.values())
 _, dict_values([0.364, 0.694, 0.676, 0.531, 0.414, 0.613, 0.543, 1.0, 0.493, 0.626, 0.441, 0.155, 0.408, 0.721])
[34] #.....part 6 (upper cases).....
     upper_case={}
     for sentence in sent_tokens:
        upper_case[sentence] = 0
        word_tokens = nltk.word_tokenize(sentence)
         for k in word_tokens:
            if k.isupper():
               upper_case[sentence] += 1
     maximum_frequency = max(upper_case.values())
     for k in upper_case.keys():
            upper_case[k] = (upper_case[k]/maximum_frequency)
            upper_case[k] = round(upper_case[k], 3)
        except ZeroDivisionError:
           x=0
     print(upper_case.values())
     dict_values([0.0, 1.0, 0.0, 0.5, 0.0, 0.5, 0.0, 0.5, 0.0, 0.5, 1.0, 0.0, 0.0, 0.5])
[35] #..... part7 (number of proper noun).....
     proper_noun={}
```

for sentence in sent_tokens:

tagged sent = pos tag(sentence.split())

```
propernouns = [word for word, pos in tagged_sent if pos == 'NNP']
         proper_noun[sentence]=len(propernouns)
     maximum_frequency = max(proper_noun.values())
     for k in proper_noun.keys():
         trv:
            proper_noun[k] = (proper_noun[k]/maximum_frequency)
             proper_noun[k] = round(proper_noun[k], 3)
         except ZeroDivisionError:
            x=0
     print(proper_noun.values())
     dict_values([0.6, 1.0, 0.4, 0.2, 0.2, 0.6, 0.0, 0.4, 0.0, 0.2, 0.8, 0.0, 0.0, 0.2])
[36] #..... part 8 (word matches with heading) ......
     head_match={}
     heading=sent_tokens[0]
     for sentence in sent_tokens:
        head match[sentence]=0
         word_tokens = nltk.word_tokenize(sentence)
         for k in word_tokens:
            if k not in stopWords:
                k = ps.stem(k)
                if k in ps.stem(heading):
                    head_match[sentence] += 1
     maximum_frequency = max(head_match.values())
     for k in head_match.keys():
         try:
             head_match[k] = (head_match[k]/maximum_frequency)
             head_match[k] = round(head_match[k], 3)
         except ZeroDivisionError:
            x=0
     print(head_match.values())
     dict_values([1.0, 0.273, 0.273, 0.273, 0.091, 0.273, 0.273, 0.545, 0.182, 0.182, 0.364, 0.091, 0.091, 0.273])
[37] total_score={}
     for k in cue_phrases.keys():
         total\_score[k] = cue\_phrases[k] + numeric\_data[k] + sent\_len\_score[k] + sentence\_position[k] + word\_frequency[k] + upper\_case[k] + proper\_noun[k] + head\_match[k]
     print(total_score.values())
    dict_values([3.964, 4.167, 2.132, 2.75400000000000004, 1.9049999999999, 2.7030000000000003, 1.809000000000002, 1.738, 1.2919999999999, 2.008, 3.85499999
[38] sumValues = 0
     for sentence in total_score:
        sumValues += total_score[sentence]
     average = sumValues / len(total_score)
     print(average)
     # Storing sentences into our summary.
     summary = ''
     for sentence in sent_tokens:
        if (sentence in total_score) and (total_score[sentence] > (1.2*average)):
            summary += " " + sentence
     print(summary)
      Coronavirus: Inside test-and-trace - how the 'world beater' went wrong. Just half of close contacts given to England's NHS Test and Trace are being reached i
     4
                                                                                                                                   ↑ ↓ co 🔲 🌣 🖫 🗑 :
```