print(numeric data.values())

```
[45] #.....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, 0.6, 0.0, 1, 0.2, 0.85, -0.2, 0.45, 0.95, 0.9, 1, 1, 0.75, 0.9, 1.0, 1, 0.15, 0.45, 1])
[46] #.....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, 0.125, 0.111, 0.1, 0.111, 0.125, 0.143, 0.167, 0.2, 0.25, 0.333, 0.5, 1.0])
[47] #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([0.443, 0.443, 0.782, 0.512, 0.767, 0.515, 1.0, 0.62, 0.323, 0.677, 0.373, 0.241, 0.163, 0.237, 0.409, 0.28, 0.708, 0.521, 0.336])
[48] #.....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())
    [49] #..... 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([0.5, 0.167, 0.0, 0.0, 0.833, 0.0, 0.0, 0.0, 0.0, 0.333, 0.167, 0.0, 0.333, 0.0, 0.0, 0.167, 1.0, 0.0, 0.167])
[50] #...... 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, 0.182, 0.364, 0.182, 0.182, 0.273, 0.455, 0.273, 0.273, 0.182, 0.091, 0.091, 0.091, 0.091, 0.091, 0.182, 0.273, 0.091])
[51] 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([4.276, 2.892, 1.479, 1.944, 2.515, 1.8050000000000002, 1.398, 1.468, 1.657, 2.192, 1.742, 1.457, 1.48, 1.3949999999999, 2.215, 2.455, 2.706, 1
[52] 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: How to stay cool in a face mask as hot UK weather forecast. You don't really need the TV weather maps turning red to realise that much of the UK
     4
                                                                                                                                   ↑ ↓ co 🔲 🌣 🖫 🗑 :
```