Task 2

December 21, 2020

```
[1]: consumer_key = "3CPSX6vE31S6wiyUFpc45wqd6"
     consumer_key_secret = "mbuRYtNTaFLYC5IRrW2Dz6mj5fXlkv0SgIk50CSLqLYHQMXR00"
     access_token = "391364404-IiRlLVX4K010iTFbtpMEWjzNoV07AJI7YPd8z1kD"
     access_token_secret = "qvmLo4zi3tcQWJIYZQkrB2P0iwcuzHLaLmTBpo98HYmNg"
[2]: import tweepy
     import matplotlib.pyplot as plt
     import pytz
     auth = tweepy.OAuthHandler(consumer key, consumer key secret)
     auth.set_access_token(access_token, access_token_secret)
     api = tweepy.API(auth)
[3]: # fetching trends in New Delhi
     trends_raw = api.trends_place(id=20070458)
     # filtering top 3 trends
     trends_raw[0]['trends'] = trends_raw[0]['trends'][:3]
     trends raw
[3]: [{'trends': [{'name': '#GodiMediaAgainstFarmers',
         'url': 'http://twitter.com/search?q=%23GodiMediaAgainstFarmers',
         'promoted content': None,
         'query': '%23GodiMediaAgainstFarmers',
         'tweet volume': 106629},
        {'name': '#mirchilagitoh',
         'url': 'http://twitter.com/search?q=%23mirchilagitoh',
         'promoted_content': None,
         'query': '%23mirchilagitoh',
         'tweet_volume': None},
        { 'name ': '#mondaythoughts',
         'url': 'http://twitter.com/search?q=%23mondaythoughts',
         'promoted_content': None,
         'query': '%23mondaythoughts',
         'tweet_volume': 19556}],
       'as_of': '2020-12-21T08:38:02Z',
       'created_at': '2020-12-20T10:30:17Z',
```

```
'locations': [{'name': 'Delhi', 'woeid': 20070458}]}]
```

```
[4]: top_trending_hashtag = trends_raw[0]['trends'][0]['name']
print("{} is the top trending hashtag in New Delhi".

→format(top_trending_hashtag))
```

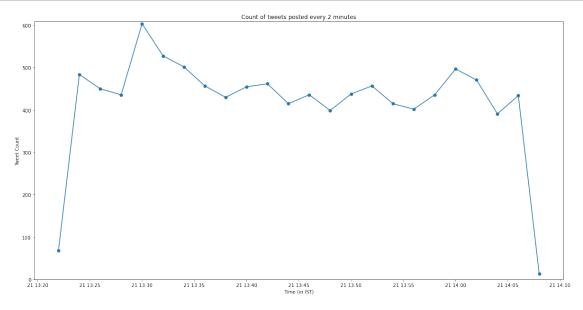
#GodiMediaAgainstFarmers is the top trending hashtag in New Delhi

```
[5]: ## get 10000 tweets
     print("Fetching tweets...")
     tweets = []
     old_len = 0
     while len(tweets) < 10000:</pre>
         if len(tweets) == 0:
             tweets = api.search(q=top_trending_hashtag, count=100)
         else:
             lowest_tweet_id = tweets[len(tweets)-100]._json['id']
             for tweet in tweets:
                 tweet_id = tweet._json['id']
                 if tweet_id < lowest_tweet_id:</pre>
                     lowest_tweet_id = tweet_id
             lowest_tweet_id -= 1
             tweets += api.search(q=top_trending_hashtag, count=100,__
      →max_id=lowest_tweet_id)
         if len(tweets) == old len:
             break
         old_len = len(tweets)
     print("{} tweets fetched successfully.".format(len(tweets)))
```

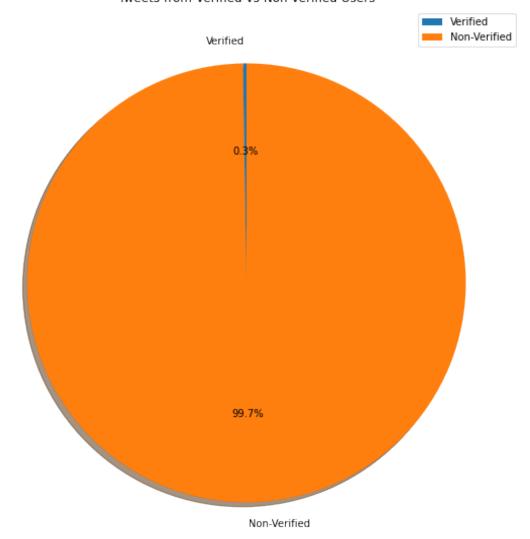
Fetching tweets...
10080 tweets fetched successfully.

```
[6]: # Tweets vs Time plot

tweet_time = {}
for tweet in tweets:
    time_val = tweet.created_at
    time_val = time_val.replace(minute=(time_val.minute//2)*2, second=0)
    if time_val not in tweet_time.keys():
        tweet_time[time_val]=0
    tweet_time[time_val]+=1
```

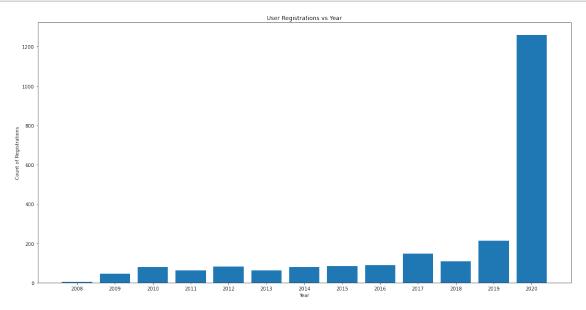


Tweets from Verified vs Non-Verified Users



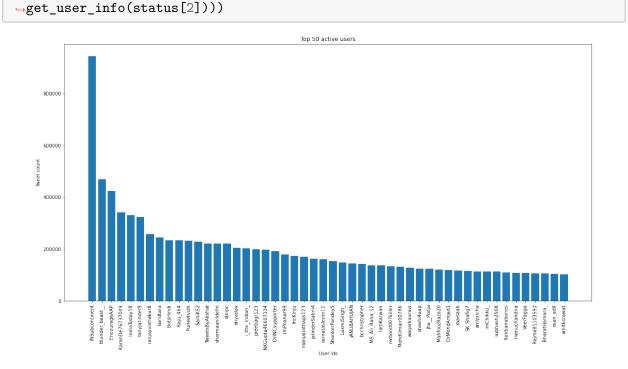
0.26% of users who posted this hashtag are verified

```
[8]: # User registrations per year
     years_cnt = {2016:0}
     for user in users:
         year = users[user]['created_at'].year
         if year not in years_cnt.keys():
             years_cnt[year] = 0
         years_cnt[year] += 1
     for year in range(min(years_cnt.keys()), 2020+1):
         if year not in years_cnt.keys():
             years cnt[year] = 0
     years_cnt = dict(sorted(years_cnt.items(), key=lambda item: item[0]))
     labels = [str(i) for i in years_cnt.keys()]
     plt.figure(figsize=(20,10))
     plt.bar(labels, years_cnt.values())
     plt.ticklabel_format(style='plain', axis='y')
     plt.xlabel('Year')
     plt.ylabel('Count of Registrations')
     plt.title('User Registrations vs Year')
     plt.show()
     max_year = max(years_cnt.keys(), key=(lambda key: years_cnt[key]))
     print("A total of {} users registered during {}.".format(years_cnt[max_year],__
      →max_year))
```



A total of 1259 users registered during 2020.

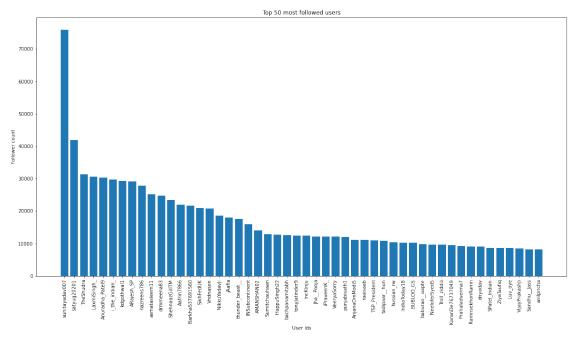
```
[9]: def get_user_info(id):
          user = api.get_user(screen_name=id)
          user_txt = "{} (@{})".format(user._json['name'], user._json['screen_name'])
          return user_txt
[10]: | # Most active users with maximum number of tweets throughout his/her life
      status = dict(sorted(users.items(), key=lambda item: item[1]['statuses_count'],__
      →reverse=True))
      status_cnt = [x['statuses_count'] for x in status.values()]
      status = list(status.keys())
      fig = plt.figure(figsize =(20, 10))
      plt.bar(status[:50], status_cnt[:50])
      plt.ticklabel_format(style='plain', axis='y')
      plt.xticks(rotation=90)
      plt.title('Top 50 active users')
      plt.xlabel('User Ids')
      plt.ylabel('Tweet count')
      plt.show()
      print("{}, {}, and {} are the most active users among all the users available.".
       →format(get_user_info(status[0]), get_user_info(status[1]),
```



insubcontinent (@INSubcontinent), Narendra Choudhary (@thunder_beast__), and Srini (@EncourageAAP) are the most active users among all the users available.

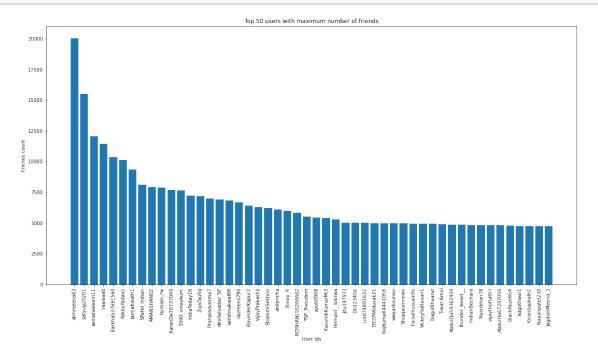
```
[11]: # Most followed users
      labels = dict(sorted(users.items(), key=lambda item:__
       →item[1]['followers_count'], reverse=True))
      follower_cnt = [x['followers_count'] for x in labels.values()]
      labels = list(labels.keys())
      fig = plt.figure(figsize =(20, 10))
      plt.bar(labels[:50], follower_cnt[:50])
      plt.ticklabel_format(style='plain', axis='y')
      plt.xticks(rotation=90)
      plt.title('Top 50 most followed users')
      plt.xlabel('User Ids')
      plt.ylabel('Follower count')
      plt.show()
      print("{}, {}, and {} are the top 3 most followed users among all the users⊔
       →available.".format(get_user_info(labels[0]), get_user_info(labels[1]), u

    get_user_info(labels[2])))
```



SUNITA YADAV 75k (@sunitayadav007), Rakesh singh (@satyug20201), and The Shudra (@TheShudra) are the top 3 most followed users among all the users available.

```
[12]: # Users having maximum number of friends
      labels = dict(sorted(users.items(), key=lambda item: item[1]['friends_count'],
      →reverse=True))
      follower_cnt = [x['friends_count'] for x in labels.values()]
      labels = list(labels.keys())
      fig = plt.figure(figsize =(20, 10))
      plt.bar(labels[:50], follower_cnt[:50])
      plt.ticklabel_format(style='plain', axis='y')
      plt.xticks(rotation=90)
      plt.title('Top 50 users with maximum number of friends')
      plt.xlabel('User Ids')
      plt.ylabel('Friends count')
      plt.show()
      print("{}, {}, and {} are the top 3 users with maximum number of friends among_
       →all the users available.".format(get_user_info(labels[0]),
       →get_user_info(labels[1]), get_user_info(labels[2])))
```



Munesh Meena (@drmmeena83), Rakesh singh (@satyug20201), and Asma (@asmatasleem11) are the top 3 users with maximum number of friends among all the users available.

```
[13]: # to fetch languages
     languages = {
         "ab": {
             "name": "Abkhaz",
               "nativeName": " "
         },
             "aa": {
             "name": "Afar",
               "nativeName": "Afaraf"
         },
             "af": {
             "name": "Afrikaans",
               "nativeName": "Afrikaans"
         },
             "ak": {
             "name": "Akan",
               "nativeName": "Akan"
         },
             "sq": {
             "name": "Albanian",
               "nativeName": "Shqip"
         },
             "am": {
             "name": "Amharic",
              "nativeName": " "
         },
             "ar": {
             "name": "Arabic",
              "nativeName": " "
         },
             "an": {
             "name": "Aragonese",
              "nativeName": "Aragonés"
         },
             "hy": {
             "name": "Armenian",
              "nativeName": " "
         },
             "as": {
             "name": "Assamese",
              "nativeName": " "
         },
             "av": {
             "name": "Avaric",
              "nativeName": ",
         },
```

```
"ae": {
    "name": "Avestan",
      "nativeName": "avesta"
},
   "ay": {
    "name": "Aymara",
     "nativeName": "aymar aru"
},
    "az": {
    "name": "Azerbaijani",
      "nativeName": "azərbaycan dili"
},
    "bm": {
    "name": "Bambara",
      "nativeName": "bamanankan"
},
   "ba": {
    "name": "Bashkir",
    "nativeName": " "
},
   "eu": {
    "name": "Basque",
     "nativeName": "euskara, euskera"
},
   "be": {
   },
    "bn": {
    "name": "Bengali",
     "nativeName": " "
},
   "bh": {
    "name": "Bihari",
     "nativeName": " "
},
    "bi": {
    "name": "Bislama",
     "nativeName": "Bislama"
},
    "bs": {
    "name": "Bosnian",
     "nativeName": "bosanski jezik"
},
    "br": {
    "name": "Breton",
       "nativeName": "brezhoneg"
```

```
},
   "bg": {
    "name": "Bulgarian",
      "nativeName": "
},
    "my": {
    "name": "Burmese",
      "nativeName": " "
},
   "ca": {
    "name": "Catalan; Valencian",
      "nativeName": "Català"
},
    "ch": {
    "name": "Chamorro",
      "nativeName": "Chamoru"
},
    "ce": {
    "name": "Chechen",
     "nativeName": " "
},
    "ny": {
    "name": "Chichewa; Chewa; Nyanja",
      "nativeName": "chiCheŵa, chinyanja"
},
    "zh": {
    "name": "Chinese",
      "nativeName": " (Zhōngwén), , "
},
    "cv": {
    "name": "Chuvash",
      "nativeName": " "
},
    "kw": {
    "name": "Cornish",
      "nativeName": "Kernewek"
},
    "co": {
    "name": "Corsican",
      "nativeName": "corsu, lingua corsa"
},
    "cr": {
    "name": "Cree",
     "nativeName": " "
},
    "hr": {
    "name": "Croatian",
```

```
"nativeName": "hrvatski"
},
    "cs": {
    "name": "Czech",
       "nativeName": "česky, čeština"
},
    "da": {
    "name": "Danish",
      "nativeName": "dansk"
},
    "dv": {
    "name": "Divehi; Dhivehi; Maldivian;",
       "nativeName": " "
},
    "nl": {
    "name": "Dutch",
        "nativeName": "Nederlands, Vlaams"
},
    "en": {
    "name": "English",
      "nativeName": "English"
},
    "eo": {
    "name": "Esperanto",
       "nativeName": "Esperanto"
},
    "et": {
    "name": "Estonian",
       "nativeName": "eesti, eesti keel"
},
    "ee": {
    "name": "Ewe",
       "nativeName": "E egbe"
},
    "fo": {
    "name": "Faroese",
      "nativeName": "føroyskt"
},
    "fj": {
    "name": "Fijian",
       "nativeName": "vosa Vakaviti"
},
    "fi": {
    "name": "Finnish",
        "nativeName": "suomi, suomen kieli"
},
    "fr": {
```

```
"name": "French",
       "nativeName": "français, langue française"
},
    "ff": {
    "name": "Fula; Fulah; Pulaar; Pular",
        "nativeName": "Fulfulde, Pulaar, Pular"
},
    "gl": {
    "name": "Galician",
      "nativeName": "Galego"
},
    "ka": {
    "name": "Georgian",
     "nativeName": " "
},
    "de": {
    "name": "German",
      "nativeName": "Deutsch"
},
    "el": {
    "name": "Greek, Modern",
      "nativeName": "E "
},
    "gn": {
    "name": "Guaraní",
      "nativeName": "Avañeee"
},
    "gu": {
    "name": "Gujarati",
      "nativeName": " "
},
    "ht": {
    "name": "Haitian; Haitian Creole",
       "nativeName": "Kreyòl ayisyen"
},
    "ha": {
    "name": "Hausa",
      "nativeName": "Hausa, "
},
    "he": {
    "name": "Hebrew (modern)",
      "nativeName": " "
},
    "hz": {
    "name": "Herero",
      "nativeName": "Otjiherero"
},
```

```
"hi": {
       "name": "Hindi",
          "nativeName": " , "
  },
       "ho": {
       "name": "Hiri Motu",
         "nativeName": "Hiri Motu"
  },
       "hu": {
       "name": "Hungarian",
          "nativeName": "Magyar"
  },
       "ia": {
       "name": "Interlingua",
           "nativeName": "Interlingua"
  },
       "id": {
       "name": "Indonesian",
           "nativeName": "Bahasa Indonesia"
  },
       "ie": {
       "name": "Interlingue",
          "nativeName": "Originally called Occidental; then Interlingue after
\hookrightarrow WWII"
  },
       "ga": {
       "name": "Irish",
          "nativeName": "Gaeilge"
  },
       "ig": {
       "name": "Igbo",
          "nativeName": "Asusu Igbo"
  },
       "ik": {
       "name": "Inupiaq",
           "nativeName": "Iñupiaq, Iñupiatun"
  },
       "io": {
       "name": "Ido",
         "nativeName": "Ido"
  },
       "is": {
       "name": "Icelandic",
         "nativeName": "Íslenska"
  },
      "it": {
       "name": "Italian",
```

```
"nativeName": "Italiano"
},
   "iu": {
    "name": "Inuktitut",
     "nativeName": " "
},
   "ja": {
    "name": "Japanese",
      "nativeName": " ( )"
},
   "jv": {
    "name": "Javanese",
      "nativeName": "basa Jawa"
},
   "kl": {
    "name": "Kalaallisut, Greenlandic",
       "nativeName": "kalaallisut, kalaallit oqaasii"
},
   "kn": {
    "name": "Kannada",
     "nativeName": " "
},
    "kr": {
    "name": "Kanuri",
      "nativeName": "Kanuri"
},
    "ks": {
    "name": "Kashmiri",
     "nativeName": ", "
},
   "kk": {
    "name": "Kazakh",
     "nativeName": "
},
   "km": {
    "name": "Khmer",
     "nativeName": " "
},
   "ki": {
    "name": "Kikuyu, Gikuyu",
      "nativeName": "Gĩkũyũ"
},
    "rw": {
    "name": "Kinyarwanda",
       "nativeName": "Ikinyarwanda"
},
    "ky": {
```

```
"name": "Kirghiz, Kyrgyz",
      "nativeName": " "
},
    "kv": {
    "name": "Komi",
       "nativeName": " "
},
    "kg": {
    "name": "Kongo",
      "nativeName": "KiKongo"
},
    "ko": {
    "name": "Korean",
      "nativeName": " ( ), ( )"
},
    "ku": {
    "name": "Kurdish",
       "nativeName": "Kurdî, "
},
    "kj": {
    "name": "Kwanyama, Kuanyama",
       "nativeName": "Kuanyama"
},
    "la": {
    "name": "Latin",
       "nativeName": "latine, lingua latina"
},
    "lb": {
    "name": "Luxembourgish, Letzeburgesch",
       "nativeName": "Lëtzebuergesch"
},
    "lg": {
    "name": "Luganda",
       "nativeName": "Luganda"
},
    "li": {
    "name": "Limburgish, Limburgan, Limburger",
       "nativeName": "Limburgs"
},
    "ln": {
    "name": "Lingala",
       "nativeName": "Lingála"
},
    "lo": {
    "name": "Lao",
      "nativeName": " "
},
```

```
"lt": {
    "name": "Lithuanian",
      "nativeName": "lietuvių kalba"
},
   "lu": {
    "name": "Luba-Katanga",
     "nativeName": ""
},
    "lv": {
    "name": "Latvian",
      "nativeName": "latviešu valoda"
},
    "gv": {
    "name": "Manx",
       "nativeName": "Gaelg, Gailck"
},
   "mk": {
    "name": "Macedonian",
     "nativeName": "
},
   "mg": {
    "name": "Malagasy",
      "nativeName": "Malagasy fiteny"
},
   "ms": {
    "name": "Malay",
      "nativeName": "bahasa Melayu, "
},
    "ml": {
    "name": "Malayalam",
     "nativeName": " "
},
    "mt": {
    "name": "Maltese",
     "nativeName": "Malti"
},
    "mi": {
    "name": "Māori",
      "nativeName": "te reo Māori"
},
    "mr": {
    "name": "Marathi (Marāṭhī)",
     "nativeName": " "
},
    "mh": {
    "name": "Marshallese",
       "nativeName": "Kajin Majeļ"
```

```
},
    "mn": {
    "name": "Mongolian",
      "nativeName": " "
},
    "na": {
    "name": "Nauru",
        "nativeName": "Ekakairũ Naoero"
},
    "nv": {
    "name": "Navajo, Navaho",
        "nativeName": "Diné bizaad, Dinék ehjí"
},
    "nb": {
    "name": "Norwegian Bokmål",
       "nativeName": "Norsk bokmål"
},
    "nd": {
    "name": "North Ndebele",
      "nativeName": "isiNdebele"
},
    "ne": {
    "name": "Nepali",
      "nativeName": " "
},
    "ng": {
    "name": "Ndonga",
      "nativeName": "Owambo"
},
    "nn": {
    "name": "Norwegian Nynorsk",
       "nativeName": "Norsk nynorsk"
},
    "no": {
    "name": "Norwegian",
       "nativeName": "Norsk"
},
    "ii": {
    "name": "Nuosu",
       "nativeName": " Nuosuhxop"
},
    "nr": {
    "name": "South Ndebele",
      "nativeName": "isiNdebele"
},
    "oc": {
    "name": "Occitan",
```

```
"nativeName": "Occitan"
  },
      "oj": {
      "name": "Ojibwe, Ojibwa",
         "nativeName": " "
  },
      "cu": {
      "name": "Old Church Slavonic, Church Slavic, Church Slavonic, Old
→Bulgarian, Old Slavonic",
         "nativeName": "
  },
      "om": {
      "name": "Oromo",
         "nativeName": "Afaan Oromoo"
  },
      "or": {
      "name": "Oriya",
        "nativeName": " "
  },
      "os": {
      "name": "Ossetian, Ossetic",
          "nativeName": " æ "
  },
      "pa": {
      "name": "Panjabi, Punjabi",
         "nativeName": " , "
  },
      "pi": {
      "name": "Pāli",
         "nativeName": " "
  },
      "fa": {
      "name": "Persian",
        "nativeName": " "
  },
      "pl": {
      "name": "Polish",
         "nativeName": "polski"
  },
      "ps": {
      "name": "Pashto, Pushto",
         "nativeName": " "
  },
      "pt": {
      "name": "Portuguese",
         "nativeName": "Português"
  },
```

```
"qu": {
    "name": "Quechua",
       "nativeName": "Runa Simi, Kichwa"
},
    "rm": {
    "name": "Romansh",
     "nativeName": "rumantsch grischun"
},
    "rn": {
    "name": "Kirundi",
      "nativeName": "kiRundi"
},
    "ro": {
    "name": "Romanian, Moldavian, Moldovan",
       "nativeName": "română"
},
   "ru": {
    "name": "Russian",
     "nativeName": " "
},
   "sa": {
    "name": "Sanskrit (Samskrta)",
     "nativeName": " "
},
   "sc": {
    "name": "Sardinian",
      "nativeName": "sardu"
},
    "sd": {
    "name": "Sindhi",
      "nativeName": " , "
},
    "se": {
    "name": "Northern Sami",
      "nativeName": "Davvisámegiella"
},
    "sm": {
    "name": "Samoan",
       "nativeName": "gagana faa Samoa"
},
    "sg": {
    "name": "Sango",
      "nativeName": "yângâ tî sängö"
},
    "sr": {
    "name": "Serbian",
       "nativeName": " "
```

```
},
    "gd": {
    "name": "Scottish Gaelic; Gaelic",
       "nativeName": "Gàidhlig"
},
    "sn": {
    "name": "Shona",
       "nativeName": "chiShona"
},
    "si": {
    "name": "Sinhala, Sinhalese",
      "nativeName": " "
},
    "sk": {
    "name": "Slovak",
      "nativeName": "slovenčina"
},
    "sl": {
    "name": "Slovene",
      "nativeName": "slovenščina"
},
    "so": {
    "name": "Somali",
       "nativeName": "Soomaaliga, af Soomaali"
},
    "st": {
    "name": "Southern Sotho",
      "nativeName": "Sesotho"
},
    "es": {
    "name": "Spanish; Castilian",
       "nativeName": "español, castellano"
},
    "su": {
    "name": "Sundanese",
       "nativeName": "Basa Sunda"
},
    "sw": {
    "name": "Swahili",
      "nativeName": "Kiswahili"
},
    "ss": {
    "name": "Swati",
      "nativeName": "SiSwati"
},
    "sv": {
    "name": "Swedish",
```

```
"nativeName": "svenska"
},
   "ta": {
    "name": "Tamil",
     "nativeName": " "
},
   "te": {
    "name": "Telugu",
     "nativeName": " "
},
   "tg": {
    "name": "Tajik",
     "nativeName": ", toğikī, "
},
    "th": {
    "name": "Thai",
      "nativeName": " "
},
   "ti": {
    "name": "Tigrinya",
     "nativeName": " "
},
    "bo": {
    "name": "Tibetan Standard, Tibetan, Central",
      "nativeName": " "
},
   "tk": {
    "name": "Turkmen",
     "nativeName": "Türkmen, "
},
   "tl": {
   "name": "Tagalog",
      "nativeName": "Wikang Tagalog, "
},
   "tn": {
    "name": "Tswana",
     "nativeName": "Setswana"
},
   "to": {
    "name": "Tonga (Tonga Islands)",
      "nativeName": "faka Tonga"
},
    "tr": {
    "name": "Turkish",
     "nativeName": "Türkçe"
},
   "ts": {
```

```
"name": "Tsonga",
      "nativeName": "Xitsonga"
},
    "tt": {
    "name": "Tatar",
      "nativeName": ", tatarça, "
},
   "tw": {
    "name": "Twi",
      "nativeName": "Twi"
},
   "ty": {
    "name": "Tahitian",
     "nativeName": "Reo Tahiti"
},
    "ug": {
    "name": "Uighur, Uyghur",
      "nativeName": "Uy urqə, "
},
    "uk": {
    "name": "Ukrainian",
"nativeName": " "
},
   "ur": {
    "name": "Urdu",
     "nativeName": " "
},
   "uz": {
    "name": "Uzbek",
      "nativeName": "zbek, , "
},
    "ve": {
    "name": "Venda",
     "nativeName": "Tshiven a"
},
    "vi": {
    "name": "Vietnamese",
     "nativeName": "Tiếng Việt"
},
    "vo": {
    "name": "Volapük",
     "nativeName": "Volapük"
},
    "wa": {
    "name": "Walloon",
      "nativeName": "Walon"
},
```

```
"cy": {
        "name": "Welsh",
            "nativeName": "Cymraeg"
    },
        "wo": {
        "name": "Wolof",
           "nativeName": "Wollof"
    },
        "fy": {
        "name": "Western Frisian",
            "nativeName": "Frysk"
    },
        "xh": {
        "name": "Xhosa",
            "nativeName": "isiXhosa"
    },
        "yi": {
        "name": "Yiddish",
            "nativeName": " "
    },
        "yo": {
        "name": "Yoruba",
           "nativeName": "Yorùbá"
    },
        "za": {
        "name": "Zhuang, Chuang",
            "nativeName": "Sa cuen, Saw cuengh"
    },
}
def get_lang_text(code):
    if code in languages.keys():
        return languages[code]["name"]
    return "Unknown"
```

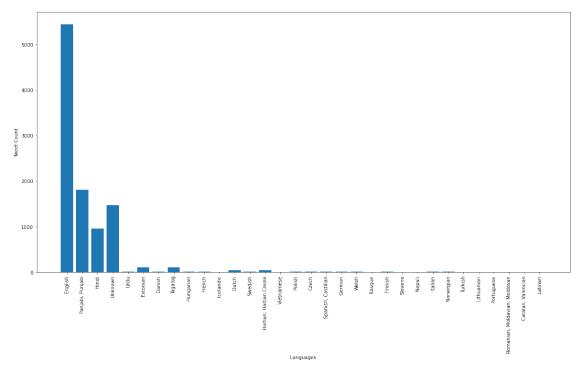
```
[14]: # for language aspect

lang_cnt={}

for tweet in tweets:
    lang=get_lang_text(tweet.lang)
    if lang not in lang_cnt:
        lang_cnt[lang] = 0
    lang_cnt[lang]+=1

language_code = []
language_freq = []
```

```
most_used_lang = []
max_lang_freq = 0
for code in lang_cnt.keys():
                language_code.append(code)
                language_freq.append(lang_cnt[code])
                if lang_cnt[code] == max_lang_freq:
                                most_used_lang.append(code)
                elif lang_cnt[code] > max_lang_freq:
                                most_used_lang = []
                                most_used_lang.append(code)
                                max_lang_freq = lang_cnt[code]
plt.figure(figsize=(20, 10))
plt.bar(language_code, language_freq)
plt.xticks(rotation=90)
plt.xlabel('Languages')
plt.ylabel('Tweet Count')
plt.show()
print('{} {} among the tweets.'.format(', '.join(str(e) for e in_ in the initial transfer of the init
   →most_used_lang), 'is the most used language' if len(most_used_lang) == 1 else_
    →'are the most used languages'))
```



English is the most used language among the tweets.

[15]: # Developed by: Shlok Pandey (@b30wulffz)

[]: