

```

import requests
page=requests.get("http://api.coingecko.com/api/v3/simple/price?
ids=bitcoin&vs_currencies=usd")

print(page)

<Response [200]>

result=page.json()

print(result)

{'bitcoin': {'usd': 85620}}

result['bitcoin']

{'usd': 85620}

b=result['bitcoin']
import pandas as pd
data=pd.DataFrame(b,index=[0])

data.head()

{"summary":{"\n  \"name\": \"data\",\n  \"rows\": 1,\n  \"fields\": [\n    {\n      \"column\": \"usd\",\n      \"properties\": {\n        \"dtype\": \"number\",\n        \"std\": null,\n        \"min\": 85620,\n        \"max\": 85620,\n        \"num_unique_values\": 1,\n        \"samples\": [\n          85620\n        ],\n        \"semantic_type\": \"\",\n        \"description\": \"\"\n      }\n    }\n  ]\n},\"type\":\"dataframe\",\"variable_name\":\"data\"}

data.to_csv(r"D:\Python File\DataSet.csv")

from google.colab import drive
drive.mount('/content/drive')

Drive already mounted at /content/drive; to attempt to forcibly
remount, call drive.mount("/content/drive", force_remount=True).

file_path="/content/D:\Python File\DataSet.csv"
df=pd.read_csv(file_path)

print(df.head())

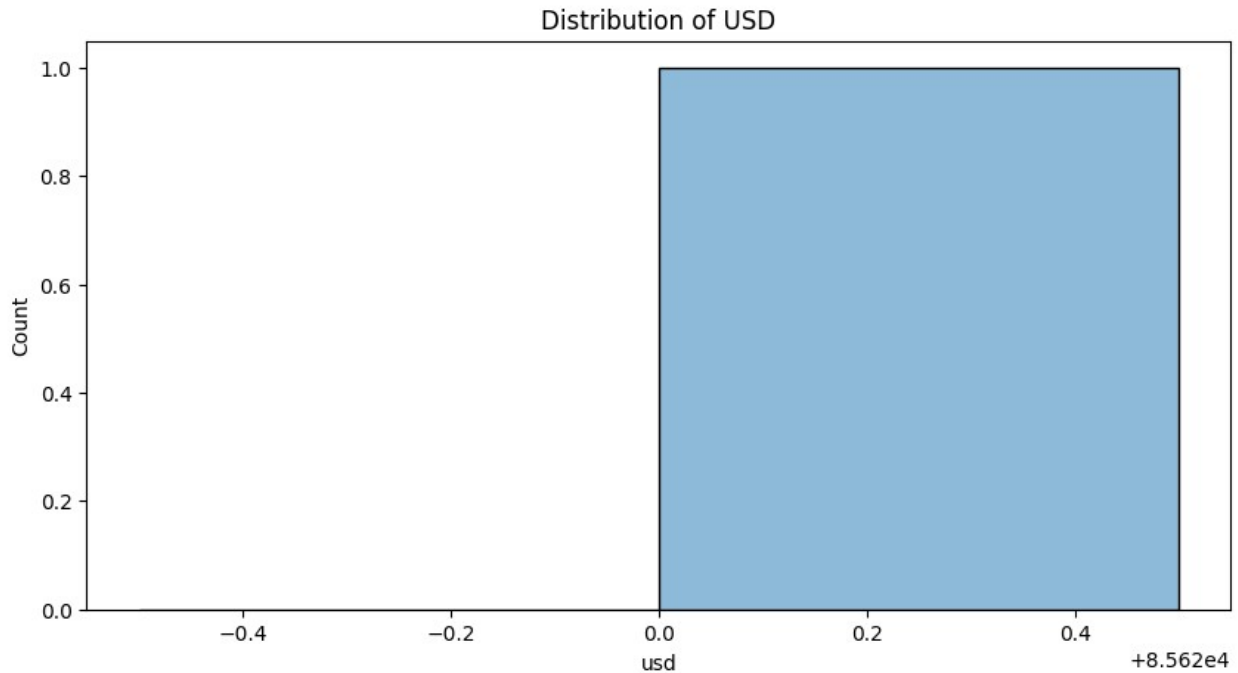
  Unnamed: 0    usd
0          0  85620

df.isnull().sum()

Unnamed: 0    0
usd          0
dtype: int64

```

```
import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize=(10,5))
sns.histplot(df['usd'],kde=True,bins=2)
plt.title('Distribution of USD')
plt.show()
```



There is no positive or negative skew as data is distributed equally means there is no variation in the data.

```
df.describe()

{"summary": "{\n  \"name\": \"df\",\n  \"rows\": 8,\n  \"fields\": [\n    {\n      \"column\": \"Unnamed: 0\",\n      \"properties\": {\n        \"dtype\": \"number\",\n        \"std\": 0.3779644730092273,\n        \"min\": 0.0,\n        \"max\": 1.0,\n        \"num_unique_values\": 2,\n        \"samples\": [\n          0.0,\n          1.0\n        ],\n        \"semantic_type\": \"\",\n        \"description\": \"\"\n      }\n    },\n    {\n      \"column\": \"usd\",\n      \"properties\": {\n        \"dtype\": \"number\",\n        \"std\": 32360.940214577022,\n        \"min\": 1.0,\n        \"max\": 85620.0,\n        \"num_unique_values\": 2,\n        \"samples\": [\n          85620.0,\n          1.0\n        ],\n        \"semantic_type\": \"\",\n        \"description\": \"\"\n      }\n    }\n  ]\n}, \"type\": \"dataframe\"}
```

1. The minimum and maximum used is same only that means the data is equally distributed.

```

import requests
page1=requests.get("https://api.openweathermap.org/data/2.5/weather?
q=Tumkur&appid=150ecd57b22d0d927f6a8b6737142b6b&units=metric")

print(page1)

<Response [200]>

result1=page1.json()
print(result1)

{'coord': {'lon': 77.1017, 'lat': 13.3422}, 'weather': [{'id': 803,
'main': 'Clouds', 'description': 'broken clouds', 'icon': '04n'}],
'base': 'stations', 'main': {'temp': 27.49, 'feels_like': 26.55,
'temp_min': 27.49, 'temp_max': 27.49, 'pressure': 1014, 'humidity':
25, 'sea_level': 1014, 'grnd_level': 921}, 'visibility': 10000,
'wind': {'speed': 4.41, 'deg': 143, 'gust': 10}, 'clouds': {'all':
63}, 'dt': 1742481543, 'sys': {'country': 'IN', 'sunrise': 1742432151,
'sunset': 1742475741}, 'timezone': 19800, 'id': 1254089, 'name':
'Tumkūr', 'cod': 200}

result1['weather']

[{'id': 803, 'main': 'Clouds', 'description': 'broken clouds', 'icon':
'04n'}]

data.to_csv(r"D:\Python File\DataSet1.csv")

file_path1="/content/D:\Python File\DataSet1.csv"
df=pd.read_csv(file_path)

data2=pd.DataFrame(result1['main'],index=[0])
data2.head()

{"summary":{"\n  \"name\": \"data2\", \n  \"rows\": 1, \n  \"fields\":
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\"description\": \"\" \n    } \n  }, \n  {\n    \"column\": \"feels_like\", \n
\"properties\": {\n      \"dtype\": \"number\", \n      \"std\":
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\"samples\": [\n        26.55\n      ], \n      \"semantic_type\": \"\", \n
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\"samples\": [\n        27.49\n      ], \n      \"semantic_type\": \"\", \n
\"description\": \"\" \n    } \n  }, \n  {\n    \"column\": \"temp_max\", \n

```

```

{"properties": {"dtype": "number", "std": null, "min": 27.49, "max": 27.49, "num_unique_values": 1, "samples": [27.49], "semantic_type": "", "description": ""}, {"column": "pressure", "dtype": "number", "std": null, "min": 1014, "max": 1014, "num_unique_values": 1, "samples": [1014], "semantic_type": "", "description": ""}, {"column": "humidity", "dtype": "number", "std": null, "min": 25, "max": 25, "num_unique_values": 1, "samples": [25], "semantic_type": "", "description": ""}, {"column": "sea_level", "dtype": "number", "std": null, "min": 1014, "max": 1014, "num_unique_values": 1, "samples": [1014], "semantic_type": "", "description": ""}, {"column": "grnd_level", "dtype": "number", "std": null, "min": 921, "max": 921, "num_unique_values": 1, "samples": [921], "semantic_type": ""}], "type": "dataframe", "variable name": "data2"}

```

1.Temperature -The minimum current temperature recorded is 27.49 and maximum is also 27.49 2.Feel\_like -The temperature feel like 26.55 3.Pressure -The pressure is 1014. 4.Humidity -The humidity is 25. 5.Ground\_level -The ground level of Tumkur city is 921.

```
data2.describe()
```

```
{
  "summary": {
    "name": "data2",
    "rows": 8,
    "fields": [
      {
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          "min": 1.0,
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          "num_unique_values": 2,
          "samples": [
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            1.0
          ],
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        },
        "description": ""
      },
      {
        "column": "feels_like",
        "properties": {
          "dtype": "number",
          "std": 9.656992285385755,
          "min": 1.0,
          "max": 26.55,
          "num_unique_values": 2,
          "samples": [
            26.55,
            1.0
          ],
          "semantic_type": ""
        },
        "description": ""
      },
      {
        "column": "temp_min",
        "properties": {
          "dtype": "number",
          "std": 10.012278890014427,
          "min": 1.0,
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          "num_unique_values": 2,
          "samples": [
            27.49,
            1.0
          ],
          "semantic_type": ""
        },
        "description": ""
      }
    ]
  }
}
```



'en', 'country': 'au'}, {'id': 'aftenposten', 'name': 'Aftenposten', 'description': 'Norges ledende nettavis med alltid oppdaterte nyheter innenfor innenriks, utenriks, sport og kultur.', 'url': 'https://www.aftenposten.no', 'category': 'general', 'language': 'no', 'country': 'no'}, {'id': 'al-jazeera-english', 'name': 'Al Jazeera English', 'description': 'News, analysis from the Middle East and worldwide, multimedia and interactives, opinions, documentaries, podcasts, long reads and broadcast schedule.', 'url': 'https://www.aljazeera.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'ansa', 'name': 'ANSA.it', 'description': 'Agenzia ANSA: ultime notizie, foto, video e approfondimenti su: cronaca, politica, economia, regioni, mondo, sport, calcio, cultura e tecnologia.', 'url': 'https://www.ansa.it', 'category': 'general', 'language': 'it', 'country': 'it'}, {'id': 'argaam', 'name': 'Argaam', 'description': 'أرقام موقع متخصص في متابعة سوق الأسهم السعودي تداول - تاسي - مع تغطيته معمقة لشركات وأسعار ومنتجات البتروكيماويات , تقارير مالية الاكتتابات الجديدة', 'url': 'https://www.argaam.com', 'category': 'business', 'language': 'ar', 'country': 'sa'}, {'id': 'ars-technica', 'name': 'Ars Technica', 'description': 'The PC enthusiast's resource. Power users and the tools they love, without computing religion.', 'url': 'https://arstechnica.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'ary-news', 'name': 'Ary News', 'description': 'ARY News is a Pakistani news channel committed to bring you up-to-the minute Pakistan news and featured stories from around Pakistan and all over the world.', 'url': 'https://arynews.tv/ud/', 'category': 'general', 'language': 'ud', 'country': 'pk'}, {'id': 'associated-press', 'name': 'Associated Press', 'description': 'The AP delivers in-depth coverage on the international, politics, lifestyle, business, and entertainment news.', 'url': 'https://apnews.com/', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'australian-financial-review', 'name': 'Australian Financial Review', 'description': 'The Australian Financial Review reports the latest news from business, finance, investment and politics, updated in real time. It has a reputation for independent, award-winning journalism and is essential reading for the business and investor community.', 'url': 'http://www.afr.com', 'category': 'business', 'language': 'en', 'country': 'au'}, {'id': 'axios', 'name': 'Axios', 'description': 'Axios are a new media company delivering vital, trustworthy news and analysis in the most efficient, illuminating and shareable ways possible.', 'url': 'https://www.axios.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'bbc-news', 'name': 'BBC News', 'description': 'Use BBC News for up-to-the-minute news, breaking news, video, audio and feature stories. BBC News provides trusted World and UK news as well as local and regional perspectives. Also entertainment, business, science, technology and health news.', 'url': 'https://www.bbc.co.uk/news', 'category': 'general', 'language': 'en', 'country': 'gb'}, {'id': 'bbc-sport', 'name': 'BBC Sport', 'description': 'The home of BBC Sport online. Includes live

sports coverage, breaking news, results, video, audio and analysis on Football, F1, Cricket, Rugby Union, Rugby League, Golf, Tennis and all the main world sports, plus major events such as the Olympic Games.', 'url': 'http://www.bbc.co.uk/sport', 'category': 'sports', 'language': 'en', 'country': 'gb'}, {'id': 'bild', 'name': 'Bild', 'description': 'Die Seite 1 für aktuelle Nachrichten und Themen, Bilder und Videos aus den Bereichen News, Wirtschaft, Politik, Show, Sport, und Promis.', 'url': 'http://www.bild.de', 'category': 'general', 'language': 'de', 'country': 'de'}, {'id': 'blasting-news-br', 'name': 'Blasting News (BR)', 'description': 'Descubra a seção brasileira da Blasting News, a primeira revista feita pelo público, com notícias globais e vídeos independentes. Junte-se a nós e torne-se um repórter.', 'url': 'https://br.blastingnews.com', 'category': 'general', 'language': 'pt', 'country': 'br'}, {'id': 'bleacher-report', 'name': 'Bleacher Report', 'description': 'Sports journalists and bloggers covering NFL, MLB, NBA, NHL, MMA, college football and basketball, NASCAR, fantasy sports and more. News, photos, mock drafts, game scores, player profiles and more!', 'url': 'http://www.bleacherreport.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'bloomberg', 'name': 'Bloomberg', 'description': 'Bloomberg delivers business and markets news, data, analysis, and video to the world, featuring stories from Businessweek and Bloomberg News.', 'url': 'http://www.bloomberg.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'breitbart-news', 'name': 'Breitbart News', 'description': 'Syndicated news and opinion website providing continuously updated headlines to top news and analysis sources.', 'url': 'http://www.breitbart.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'business-insider', 'name': 'Business Insider', 'description': 'Business Insider is a fast-growing business site with deep financial, media, tech, and other industry verticals. Launched in 2007, the site is now the largest business news site on the web.', 'url': 'http://www.businessinsider.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'buzzfeed', 'name': 'Buzzfeed', 'description': 'BuzzFeed is a cross-platform, global network for news and entertainment that generates seven billion views each month.', 'url': 'https://www.buzzfeed.com', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'cbc-news', 'name': 'CBC News', 'description': 'CBC News is the division of the Canadian Broadcasting Corporation responsible for the news gathering and production of news programs on the corporation's English-language operations, namely CBC Television, CBC Radio, CBC News Network, and CBC.ca.', 'url': 'http://www.cbc.ca/news', 'category': 'general', 'language': 'en', 'country': 'ca'}, {'id': 'cbs-news', 'name': 'CBS News', 'description': 'CBS News: dedicated to providing the best in journalism under standards it pioneered at the dawn of radio and television and continue in the digital age.', 'url': 'http://www.cbsnews.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'cnn', 'name': 'CNN', 'description': 'View

the latest news and breaking news today for U.S., world, weather, entertainment, politics and health at CNN', 'url': 'http://us.cnn.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'cnn-es', 'name': 'CNN Spanish', 'description': 'Lee las últimas noticias e información sobre Latinoamérica, Estados Unidos, mundo, entretenimiento, política, salud, tecnología y deportes en CNNEspañol.com.', 'url': 'http://cnnespanol.cnn.com/', 'category': 'general', 'language': 'es', 'country': 'us'}, {'id': 'crypto-coins-news', 'name': 'Crypto Coins News', 'description': 'Providing breaking cryptocurrency news - focusing on Bitcoin, Ethereum, ICOs, blockchain technology, and smart contracts.', 'url': 'https://www.ccn.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'der-tagesspiegel', 'name': 'Der Tagesspiegel', 'description': 'Nachrichten, News und neueste Meldungen aus dem Inland und dem Ausland - aktuell präsentiert von tagesspiegel.de.', 'url': 'http://www.tagesspiegel.de', 'category': 'general', 'language': 'de', 'country': 'de'}, {'id': 'die-zeit', 'name': 'Die Zeit', 'description': 'Aktuelle Nachrichten, Kommentare, Analysen und Hintergrundberichte aus Politik, Wirtschaft, Gesellschaft, Wissen, Kultur und Sport lesen Sie auf ZEIT ONLINE.', 'url': 'http://www.zeit.de/index', 'category': 'business', 'language': 'de', 'country': 'de'}, {'id': 'el-mundo', 'name': 'El Mundo', 'description': 'Noticias, actualidad, álbumes, debates, sociedad, servicios, entretenimiento y última hora en España y el mundo.', 'url': 'http://www.elmundo.es', 'category': 'general', 'language': 'es', 'country': 'es'}, {'id': 'engadget', 'name': 'Engadget', 'description': 'Engadget is a web magazine with obsessive daily coverage of everything new in gadgets and consumer electronics.', 'url': 'https://www.engadget.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'entertainment-weekly', 'name': 'Entertainment Weekly', 'description': 'Online version of the print magazine includes entertainment news, interviews, reviews of music, film, TV and books, and a special area for magazine subscribers.', 'url': 'http://www.ew.com', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'espn', 'name': 'ESPN', 'description': 'ESPN has up-to-the-minute sports news coverage, scores, highlights and commentary for NFL, MLB, NBA, College Football, NCAA Basketball and more.', 'url': 'https://www.espn.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'espn-cric-info', 'name': 'ESPN Cric Info', 'description': 'ESPN Cricinfo provides the most comprehensive cricket coverage available including live ball-by-ball commentary, news, unparalleled statistics, quality editorial comment and analysis.', 'url': 'http://www.espn-cricinfo.com/', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'financial-post', 'name': 'Financial Post', 'description': 'Find the latest happenings in the Canadian Financial Sector and stay up to date with changing trends in Business Markets. Read trading and investing advice from professionals.', 'url': 'https://financialpost.com', 'category': 'business',



'language': 'en', 'country': 'ca'}, {'id': 'focus', 'name': 'Focus', 'description': 'Minutenaktuelle Nachrichten und Service-Informationen von Deutschlands modernem Nachrichtenmagazin.', 'url': 'http://www.focus.de', 'category': 'general', 'language': 'de', 'country': 'de'}, {'id': 'football-italia', 'name': 'Football Italia', 'description': 'Italian football news, analysis, fixtures and results for the latest from Serie A, Serie B and the Azzurri.', 'url': 'http://www.football-italia.net', 'category': 'sports', 'language': 'en', 'country': 'it'}, {'id': 'fortune', 'name': 'Fortune', 'description': 'Fortune 500 Daily and Breaking Business News', 'url': 'http://fortune.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'four-four-two', 'name': 'FourFourTwo', 'description': 'The latest football news, in-depth features, tactical and statistical analysis from FourFourTwo, the UK&#039;s favourite football monthly.', 'url': 'http://www.fourfourtwo.com/news', 'category': 'sports', 'language': 'en', 'country': 'gb'}, {'id': 'fox-news', 'name': 'Fox News', 'description': 'Breaking News, Latest News and Current News from FOXNews.com. Breaking news and video. Latest Current News: U.S., World, Entertainment, Health, Business, Technology, Politics, Sports.', 'url': 'http://www.foxnews.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'fox-sports', 'name': 'Fox Sports', 'description': 'Find live scores, player and team news, videos, rumors, stats, standings, schedules and fantasy games on FOX Sports.', 'url': 'http://www.foxsports.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'globo', 'name': 'Globo', 'description': 'Só na globo.com você encontra tudo sobre o conteúdo e marcas do Grupo Globo. O melhor acervo de vídeos online sobre entretenimento, esportes e jornalismo do Brasil.', 'url': 'http://www.globo.com/', 'category': 'general', 'language': 'pt', 'country': 'br'}, {'id': 'google-news', 'name': 'Google News', 'description': 'Comprehensive, up-to-date news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'google-news-ar', 'name': 'Google News (Argentina)', 'description': 'Completa cobertura actualizada de noticias agregadas a partir de fuentes de todo el mundo por Google Noticias.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'es', 'country': 'ar'}, {'id': 'google-news-au', 'name': 'Google News (Australia)', 'description': 'Comprehensive, up-to-date Australia news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'au'}, {'id': 'google-news-br', 'name': 'Google News (Brasil)', 'description': 'Cobertura jornalística abrangente e atualizada, agregada de fontes do mundo inteiro pelo Google Notícias.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'pt', 'country': 'br'}, {'id': 'google-news-ca', 'name': 'Google News (Canada)', 'description': 'Comprehensive, up-to-date Canada news coverage, aggregated from sources all over the world by Google News.', 'url':

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channel, producing daily documentary essays and video through its website and YouTube channel. It promotes itself on its coverage of "under - reported stories".', 'url': 'https://news.vice.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'wired', 'name': 'Wired', 'description': 'Wired is a monthly American magazine, published in print and online editions, that focuses on how emerging technologies affect culture, the economy, and politics.', 'url': 'https://www.wired.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'wired-de', 'name': 'Wired.de', 'description': 'Wired reports on how emerging technologies affect culture, the economy and politics.', 'url': 'https://www.wired.de', 'category': 'technology', 'language': 'de', 'country': 'de'}, {'id': 'wirtschafts-woche', 'name': 'Wirtschafts Woche', 'description': 'Das Online-Portal des führenden Wirtschaftsmagazins in Deutschland. Das Entscheidende zu Unternehmen, Finanzen, Erfolg und Technik.', 'url': 'http://www.wiwo.de', 'category': 'business', 'language': 'de', 'country': 'de'}, {'id': 'xinhua-net', 'name': 'Xinhua Net', 'description': '中国主要重点新闻网站, 依托新华社遍布全球的采编网络, 记者遍布世界 100 多个国家和地区, 地方频道分布全国 31 个省市自治区, 每天 24 小时同时使用 6 种语言滚动发稿, 权威、准确、及时播发国内外重要新闻和重大突发事件, 受众覆盖 200 多个国家和地区, 发展论坛是全球知名的中文论坛。', 'url': 'http://xinhuanet.com/', 'category': 'general', 'language': 'zh', 'country': 'zh'}, {'id': 'ynet', 'name': 'Ynet', 'description': 'דף הבית: אתר החדשות המוביל בישראל מבית ידיעות אחרונות. סיקור מלא של חדשות מישראל והעולם, ספורט, כלכלה, תרבות, אוכל, מדע וטבע, ynet. כל מה שקורה וכל מה שמעניין ב', 'url': 'http://www.ynet.co.il', 'category': 'general', 'language': 'he', 'country': 'is'}]}

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and world news. Comprehensive, independent, in-depth analysis, the
latest business, sport, weather and more.',
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nyheter innenfor innenriks, utenriks, sport og kultur.',
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reads and broadcast schedule.',
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approfondimenti su: cronaca, politica, economia, regioni, mondo,
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bring you up-to-the minute Pakistan news and featured stories from
around Pakistan and all over the world.',
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{'id': 'australian-financial-review',
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'description': 'The Australian Financial Review reports the latest
news from business, finance, investment and politics, updated in real
time. It has a reputation for independent, award-winning journalism
and is essential reading for the business and investor community.',
'url': 'http://www.afr.com',
'category': 'business',
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{'id': 'axios',
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'description': 'Axios are a new media company delivering vital,
trustworthy news and analysis in the most efficient, illuminating and
shareable ways possible.',
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{'id': 'bbc-news',
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'description': 'Use BBC News for up-to-the-minute news, breaking
news, video, audio and feature stories. BBC News provides trusted
World and UK news as well as local and regional perspectives. Also
entertainment, business, science, technology and health news.',
'url': 'https://www.bbc.co.uk/news',
'category': 'general',
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{'id': 'bbc-sport',
'name': 'BBC Sport',
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coverage, breaking news, results, video, audio and analysis on
Football, F1, Cricket, Rugby Union, Rugby League, Golf, Tennis and all
the main world sports, plus major events such as the Olympic Games.',
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Bilder und Videos aus den Bereichen News, Wirtschaft, Politik, Show,
Sport, und Promis.',
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primeira revista feita pelo público, com notícias globais e vídeos
independentes. Junte-se a nós e torne-se um repórter.',
'url': 'https://br.blastingnews.com',
'category': 'general',
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NBA, NHL, MMA, college football and basketball, NASCAR, fantasy sports
and more. News, photos, mock drafts, game scores, player profiles and
more!',
'url': 'http://www.bleacherreport.com',
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analysis, and video to the world, featuring stories from Businessweek
and Bloomberg News.',
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continuously updated headlines to top news and analysis sources.',
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with deep financial, media, tech, and other industry verticals.
Launched in 2007, the site is now the largest business news site on
the web.'}
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news and entertainment that generates seven billion views each
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Broadcasting Corporation responsible for the news gathering and
production of news programs on the corporation's English-language
operations, namely CBC Television, CBC Radio, CBC News Network, and
CBC.ca.",
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journalism under standards it pioneered at the dawn of radio and
television and continue in the digital age.',
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U.S., world, weather, entertainment, politics and health at CNN',
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Latinoamérica, Estados Unidos, mundo, entretenimiento, política,
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Inland und dem Ausland - aktuell präsentiert von tagesspiegel.de.',
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 'description': 'Aktuelle Nachrichten, Kommentare, Analysen und
Hintergrundberichte aus Politik, Wirtschaft, Gesellschaft, Wissen,
Kultur und Sport lesen Sie auf ZEIT ONLINE.',
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 'name': 'El Mundo',
 'description': 'Noticias, actualidad, álbumes, debates, sociedad,
servicios, entretenimiento y última hora en España y el mundo.',
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coverage of everything new in gadgets and consumer electronics.',
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{'id': 'entertainment-weekly',
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 'description': 'Online version of the print magazine includes
entertainment news, interviews, reviews of music, film, TV and books,
and a special area for magazine subscribers.',
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scores, highlights and commentary for NFL, MLB, NBA, College Football,
NCAA Basketball and more.',
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 'description': 'ESPN Cricinfo provides the most comprehensive
cricket coverage available including live ball-by-ball commentary,
news, unparalleled statistics, quality editorial comment and
analysis.',
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{'id': 'financial-post',
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 'description': 'Find the latest happenings in the Canadian Financial
Sector and stay up to date with changing trends in Business Markets.
Read trading and investing advice from professionals.',
 'url': 'https://financialpost.com',
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results for the latest from Serie A, Serie B and the Azzurri.',
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tactical and statistical analysis from FourFourTwo, the UK&#039;s
favourite football monthly.',
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FOXNews.com. Breaking news and video. Latest Current News: U.S.,
World, Entertainment, Health, Business, Technology, Politics,
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rumors, stats, standings, schedules and fantasy games on FOX Sports.',
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e marcas do Grupo Globo. O melhor acervo de vídeos online sobre
entretenimento, esportes e jornalismo do Brasil.',
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from sources all over the world by Google News.',
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Google Actualités à partir de sources d’actualités du monde
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Google News.',
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language daily newspaper published in Gothenburg, Sweden.',
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Wirtschaft. News und Hintergründe zu Investment, VC und Gründungen.',
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    {'id': 'hacker-news',
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computer science and entrepreneurship. It is run by Paul Graham\'s
investment fund and startup incubator, Y Combinator. In general,
content that can be submitted is defined as "anything that gratifies
one\'s intellectual curiosity".',
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    'name': 'Handelsblatt',
    'description': 'Auf Handelsblatt lesen sie Nachrichten über
Unternehmen, Finanzen, Politik und Technik. Verwalten Sie Ihre
Finanzanlagen mit Hilfe unserer Börsenkurse.',
    'url': 'http://www.handelsblatt.com',
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    {'id': 'ign',
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360, PS3, Wii, 3DS, PS Vita and iPhone games with expert reviews,
news, previews, trailers, cheat codes, wiki guides and walkthroughs.',
    'url': 'http://www.ign.com',
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    {'id': 'il-sole-24-ore',
    'name': 'Il Sole 24 Ore',
    'description': 'Notizie di economia, cronaca italiana ed estera,
quotazioni borsa in tempo reale e di finanza, norme e tributi, fondi e
obbligazioni, mutui, prestiti e lavoro a cura de Il Sole 24 Ore.',
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online access to news and supplements. Insight by Robert Fisk and
various other columnists.',

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Información, videos y fotos sobre los hechos más relevantes y sus
protagonistas. Léelo antes en infobae.',
'url': 'http://www.infobae.com/?noredirect',
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{'id': 'info-money',
'name': 'InfoMoney',
'description': 'No InfoMoney você encontra tudo o que precisa sobre
dinheiro. Ações, investimentos, bolsas de valores e muito mais. Aqui
você encontra informação que vale dinheiro!',
'url': 'https://www.infomoney.com.br',
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Miguel de Tucumán - Argentina - Ultimo momento - Ultimas noticias.',
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FOXNews.com. Breaking news and video. Latest Current News: U.S.,
World, Entertainment, Health, Business, Technology, Politics,
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en continu : International, France, Soci&eacute;t&eacute;, Economie,
Culture, Environnement, Blogs ...",
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informations, r&eacute;sultats et classements de tous les sports. Directs
comment&eacute;s, images et vid&eacute;os &agrave; regarder et &agrave; partager !",
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boursi&eacute;re fran&eacute;aise et internationale sur Les Echos.fr",
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actualizada minuto a minuto en noticias, vid&eacute;os, fotos,
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throughout the day, every day.',
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  'language': 'en',
  'country': 'us'},
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  'id': 'msnbc',
  'name': 'MSNBC',
  'description': 'Breaking news and in-depth analysis of the
headlines, as well as commentary and informed perspectives from The
Rachel Maddow Show, Morning Joe & more.',
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  'country': 'us'},
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  'id': 'mtv-news',
  'name': 'MTV News',
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entertainment, movies, and current events on the web. It's pop culture
on steroids.',
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  'language': 'en',
  'country': 'us'},
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  'name': 'MTV News (UK)',
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interviews and pictures from the world of music and entertainment.',
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  'country': 'gb'},
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  'name': 'National Geographic',
  'description': 'Reporting our world daily: original nature and
science news from National Geographic.',
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Politics, Policy, & Current Events.',
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world news, business, politics, health and pop culture.',
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breaking news on national, world, Africa, sport, entertainment,
technology and more.",
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world. Exclusive stories and expert analysis on space, technology,
health, physics, life and Earth.',
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 'description': 'We say what people are thinking and cover the issues
that get people talking balancing Australian and global moments – from
politics to pop culture.',
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politics.',
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undiscovered, the next in politics, culture, food, fashion, and
behavior nationally, through a New York lens.',
 'url': 'https://nymag.com/',
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 'description': 'Coverage of science and technology that have the
potential for disruption, and analysis of plans, policies, and
technology that enable radical improvement.',
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official source including interviews, rumors, statistics and
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Norge og verden, lokalnyheter, radio- og tv-program, podcast, vær,
helse-, kultur-, underholdning-, humor- og debattstoff.',
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campaigns, lobbyists and issues.',
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{'id': 'polygon',
  'name': 'Polygon',
  'description': 'Polygon is a gaming website in partnership with Vox
Media. Our culture focused site covers games, their creators, the
fans, trending stories and entertainment news.',
  'url': 'http://www.polygon.com',
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  'language': 'en',
  'country': 'us'},
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комментарии аналитиков, финансовые данные с российских и мировых
биржевых систем на сайте rbc.ru.',
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{'id': 'recode',
  'name': 'Recode',
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analysis from Recode with the most informed and respected journalists
in technology and media.',
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  'name': 'Reddit /r/all',
  'description': 'Reddit is an entertainment, social news networking
service, and news website. Reddit's registered community members can
submit content, such as text posts or direct links.',
  'url': 'https://www.reddit.com/r/all',
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ежедневное обновление новостей политики, бизнеса, финансов, спорта,
науки, культуры. Онлайн-репортажи с места событий. Комментарии
экспертов, актуальные интервью, фото и видео репортажи.',
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{'id': 'rte',
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international news stories as they happen, with up to the minute
updates and analysis, from Ireland's National Broadcaster.",
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informeert haar lezers op een onafhankelijke, boeiende en
toegankelijke wijze over belangrijke ontwikkelingen in eigen land en
de rest van de wereld.',
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ومصداقية خدمة للوطن والمواطن.',
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Wichtige aus Politik, Wirtschaft, Sport, Kultur, Wissenschaft, Technik
und mehr.',
'url': 'http://www.spiegel.de',
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Dagbladets nyhetssajt låter läsarna ta plats och fördjupar
nyheterna.',
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Business, Social Media, Startups und Webdesign.',
 'url': 'https://t3n.de',
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 'language': 'de',
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 'description': 'Tune in to the world's biggest sports radio station
- Live Premier League football coverage, breaking sports news,
transfer rumours & exclusive interviews.",
 'url': 'http://talksport.com',
 'category': 'sports',
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dedicated to obsessively profiling startups, reviewing new Internet
products, and breaking tech news.',
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news in Canada, featuring national and international news.',
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White House and more lawmakers than any other site -- vital for
policy, politics and election campaigns.',
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'category': 'general',
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{'id': 'the-hindu',
'name': 'The Hindu',
'description': 'The Hindu. latest news, analysis, comment, in-depth
coverage of politics, business, sport, environment, cinema and arts
from India's national newspaper.',
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American online news aggregator and blog that has both localized and
international editions founded by Arianna Huffington, Kenneth Lerer,
Andrew Breitbart, and Jonah Peretti, featuring columnists.',
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analysis, business, weather and more from the definitive brand of
quality news in Ireland.',
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  'id': 'the-jerusalem-post',
  'name': 'The Jerusalem Post',
  'description': 'The Jerusalem Post is the leading online newspaper
for English speaking Jewry since 1932, bringing news and updates from
the Middle East and all over the Jewish world.',
  'url': 'https://www.jpost.com/',
  'category': 'general',
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  'name': 'The Lad Bible',
  'description': 'The LAD Bible is one of the largest community for
guys aged 16-30 in the world. Send us your funniest pictures and
videos!',
  'url': 'https://www.theladbible.com',
  'category': 'entertainment',
  'language': 'en',
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{
  'id': 'the-next-web',
  'name': 'The Next Web',
  'description': 'The Next Web is one of the world's largest online
publications that delivers an international perspective on the latest
news about Internet technology, business and culture.',
  'url': 'http://thenextweb.com',
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  'country': 'us'},
{
  'id': 'the-sport-bible',
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  'description': 'TheSPORTbible is one of the largest communities for
sports fans across the world. Send us your sporting pictures and
videos!',
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{
  'id': 'the-times-of-india',
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Breaking headlines on Politics and Current Affairs in India and around
the World, Sports, Business, Bollywood News and Entertainment,
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Science, Technology, Health and Fitness news, Cricket and opinions from leading columnists.',  
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political news at USATODAY.com.',
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  'name': 'Vice News',
  'description': 'Vice News is Vice Media, Inc.\'s current affairs
channel, producing daily documentary essays and video through its
website and YouTube channel. It promotes itself on its coverage of
"under - reported stories".',
  'url': 'https://news.vice.com',
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print and online editions, that focuses on how emerging technologies
affect culture, the economy, and politics.',
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culture, the economy and politics.',
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in Deutschland. Das Entscheidende zu Unternehmen, Finanzen, Erfolg und
Technik.',
  'url': 'http://www.wiwo.de',
  'category': 'business',
  'language': 'de',
  'country': 'de'},
{'id': 'xinhua-net',
  'name': 'Xinhua Net',
  'description': '中国主要重点新闻网站,依托新华社遍布全球的采编网络,记者遍布世界
100 多个国家和地区,地方频道分布全国 31 个省市自治区,每天 24 小时同时使用 6 种语言滚动发
稿,权威、准确、及时播发国内外重要新闻和重大突发事件,受众覆盖 200 多个国家和地区,发展
```





```

{"properties": {"dtype": "category",
"num_unique_values": 7,
"general": "business",
"health": "health",
"semantic_type": ""},
"description": "",
"language": "properties": {"dtype": "category",
"num_unique_values": 14,
"samples": ["he", "sv", "en"],
"semantic_type": ""},
"description": "",
"country": "properties": {"dtype": "category",
"num_unique_values": 21,
"samples": ["us", "za", "ru"],
"semantic_type": ""},
"description": ""}]
n}, {"type": "dataframe", "variable_name": "s"}

```

```
s.isnull().sum()
```

```

id      0
name    0
description  0
url      0
category  0
language  0
country  0
dtype: int64

```

```
s.describe(include='all')
```

```

{"summary": {"name": "s", "rows": 4, "fields": [{"column": "id", "properties": {"dtype": "string", "num_unique_values": 3, "samples": ["127", "abc-news", "1"], "semantic_type": ""}, "description": "", "column": "name", "properties": {"dtype": "string", "num_unique_values": 3, "samples": ["127", "ABC News", "1"], "semantic_type": ""}, "description": "", "column": "description", "properties": {"dtype": "string", "num_unique_values": 4, "samples": ["2", "127", "125", "12"], "semantic_type": ""}, "description": "", "column": "url", "properties": {"dtype": "string", "num_unique_values": 4, "samples": ["116", "12", "127"], "semantic_type": ""}, "description": ""}]}
n }, {"column": "category", "properties":

```

```
{\n      \"dtype\": \"string\", \n      \"num_unique_values\": 4, \n      \"samples\": [\n        7, \n        \"75\", \n        \"127\" \n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\" \n    }, \n    {\n      \"column\": \"language\", \n      \"properties\": {\n        \"dtype\": \"string\", \n        \"num_unique_values\": 4, \n        \"samples\": [\n          14, \n          \"80\", \n          \"127\" \n        ], \n        \"semantic_type\": \n        \"\", \n        \"description\": \"\" \n      }, \n      {\n        \"column\": \"country\", \n        \"properties\": {\n          \"dtype\": \n          \"string\", \n          \"num_unique_values\": 4, \n          \"samples\": \n          [\n            21, \n            \"56\", \n            \"127\" \n          ], \n          \"semantic_type\": \"\", \n          \"description\": \"\" \n        } \n      } \n    ] \n  }, \n  \"type\": \"dataframe\"}
```

1.The less frequently appeared id is abc-news which means there is no domination. 2.Among 127 count of language with 14 unique languages en is appeared frequently 80 which means en is dominating

```
from sklearn import preprocessing
le=preprocessing.LabelEncoder()
s['Language_Encoded']=le.fit_transform(s['language'])
s.head()

{\"summary\": \"{\\n  \"name\": \"s\", \\n  \"rows\": 127, \\n  \"fields\": [\\n
{\\n    \"column\": \"id\", \\n    \"properties\": {\\n
\"dtype\": \"number\", \\n    \"std\": 36, \\n    \"min\": 0, \\n
\"max\": 126, \\n    \"num_unique_values\": 127, \\n
\"samples\": [\\n      26, \\n      111, \\n      82\\n
\\n    ], \\n    \"semantic_type\": \"\", \\n
\"description\": \"\" \\n    }, \\n    {\\n      \"column\":
\"name\", \\n      \"properties\": {\\n        \"dtype\": \"string\", \\n
\"num_unique_values\": 127, \\n        \"samples\": [\\n          \"Die
Zeit\", \\n          \"The Lad Bible\", \\n          \"Newsweek\" \\n
], \\n          \"semantic_type\": \"\", \\n          \"description\": \"\" \\n
} \\n    }, \\n    {\\n      \"column\": \"description\", \\n
\"properties\": {\\n        \"dtype\": \"string\", \\n
\"num_unique_values\": 125, \\n        \"samples\": [\\n
\"Business Insider is a fast-growing business site with deep
financial, media, tech, and other industry verticals. Launched in
2007, the site is now the largest business news site on the web.\", \\n
\"Comprehensive, up-to-date Australia news coverage, aggregated from
sources all over the world by Google News.\", \\n          \"The latest
football news, in-depth features, tactical and statistical analysis
from FourFourTwo, the UK's favourite football monthly.\" \\n
], \\n          \"semantic_type\": \"\", \\n          \"description\": \"\" \\n
} \\n    }, \\n    {\\n      \"column\": \"url\", \\n      \"properties\": {\\n
\"dtype\": \"string\", \\n      \"num_unique_values\": 116, \\n
\"samples\": [\\n        \"https://www.rte.ie/news\", \\n
\"https://www.ansa.it\", \\n        \"http://www.gruenderszene.de\" \\n
```

```

],\n      \"semantic_type\": \"\", \n      \"description\": \"\"\n}\n },\n      {\n      \"column\": \"category\", \n      \"properties\": {\n      \"dtype\": \"category\", \n      \"num_unique_values\": 7, \n      \"samples\": [\n      \"general\", \n      \"business\", \n      \"health\"\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      },\n      {\n      \"column\": \"language\", \n      \"properties\": {\n      \"dtype\": \"category\", \n      \"num_unique_values\": 14, \n      \"samples\": [\n      \"he\", \n      \"sv\", \n      \"en\"\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      },\n      {\n      \"column\": \"country\", \n      \"properties\": {\n      \"dtype\": \"category\", \n      \"num_unique_values\": 21, \n      \"samples\": [\n      \"us\", \n      \"za\", \n      \"ru\"\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      },\n      {\n      \"column\": \"Language_Encoded\", \n      \"properties\": {\n      \"dtype\": \"number\", \n      \"std\": 2, \n      \"min\": 0, \n      \"max\": 13, \n      \"num_unique_values\": 14, \n      \"samples\": [\n      5, \n      11, \n      2\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      }\n      ],\n      \"type\": \"dataframe\", \"variable_name\": \"s\"}

```

```

from sklearn import preprocessing
le1=preprocessing.LabelEncoder()
s['Name_Encoded']=le1.fit_transform(s['name'])
s.head()

```

```

{\"summary\": \"{ \n      \"name\": \"s\", \n      \"rows\": 127, \n      \"fields\": [\n      {\n      \"column\": \"id\", \n      \"properties\": {\n      \"dtype\": \"number\", \n      \"std\": 36, \n      \"min\": 0, \n      \"max\": 126, \n      \"num_unique_values\": 127, \n      \"samples\": [\n      26, \n      111, \n      82\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      },\n      {\n      \"column\": \"name\", \n      \"properties\": {\n      \"dtype\": \"string\", \n      \"num_unique_values\": 127, \n      \"samples\": [\n      \"Die Zeit\", \n      \"The Lad Bible\", \n      \"Newsweek\"\n      ], \n      \"semantic_type\": \"\", \n      \"description\": \"\"\n      }\n      },\n      {\n      \"column\": \"description\", \n      \"properties\": {\n      \"dtype\": \"string\", \n      \"num_unique_values\": 125, \n      \"samples\": [\n      \"Business Insider is a fast-growing business site with deep financial, media, tech, and other industry verticals. Launched in 2007, the site is now the largest business news site on the web.\", \n      \"Comprehensive, up-to-date Australia news coverage, aggregated from sources all over the world by Google News.\", \n      \"The latest football news, in-depth features, tactical and statistical analysis from FourFourTwo, the UK's favourite football monthly.\", \n
```

```

],\n          \"semantic_type\": \"\", \n          \"description\": \"\"\n}\n    },\n    {\n        \"column\": \"url\", \n        \"properties\": {\n            \"dtype\": \"string\", \n            \"num_unique_values\": 116, \n            \"samples\": [\n                \"https://www.rte.ie/news\", \n                \"https://www.ansa.it\", \n                \"http://www.gruenderszene.de\"\n            ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }, \n        {\n            \"column\": \"category\", \n            \"properties\": {\n                \"dtype\": \"category\", \n                \"num_unique_values\": 7, \n                \"samples\": [\n                    \"general\", \n                    \"business\", \n                    \"health\"\n                ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }, \n        {\n            \"column\": \"language\", \n            \"properties\": {\n                \"dtype\": \"category\", \n                \"num_unique_values\": 14, \n                \"samples\": [\n                    \"he\", \n                    \"sv\", \n                    \"en\"\n                ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }, \n        {\n            \"column\": \"country\", \n            \"properties\": {\n                \"dtype\": \"category\", \n                \"num_unique_values\": 21, \n                \"samples\": [\n                    \"us\", \n                    \"za\", \n                    \"ru\"\n                ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }, \n        {\n            \"column\": \"Language_Encoded\", \n            \"properties\": {\n                \"dtype\": \"number\", \n                \"std\": 2, \n                \"min\": 0, \n                \"max\": 13, \n                \"num_unique_values\": 14, \n                \"samples\": [\n                    5, \n                    11, \n                    2\n                ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }, \n        {\n            \"column\": \"Name_Encoded\", \n            \"properties\": {\n                \"dtype\": \"number\", \n                \"std\": 36, \n                \"min\": 0, \n                \"max\": 126, \n                \"num_unique_values\": 127, \n                \"samples\": [\n                    26, \n                    111, \n                    85\n                ], \n            \"semantic_type\": \"\", \n            \"description\": \"\"\n        }\n    ], \n    \"type\": \"dataframe\", \"variable_name\": \"s\"}

```

```

import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize=(20,5))
plt.scatter(s['Name_Encoded'],s['Language_Encoded'],label="id",color="green")
plt.title('Distribution of URL')
plt.show()

```

