Importing basic libraries:

```
In [1]: import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

Data reading and exploration:

| | work_year | job_title | job_category | salary_currency | salary | salary_in_usd | employee_residence |
|------|-----------|--------------------------------|--------------------------------------|-----------------|--------|---------------|--------------------|
| 0 | 2023 | Data DevOps Engineer | Data Engineering | EUR | 88000 | 95012 | Germany |
| 1 | 2023 | Data Architect | Data Architecture and Modeling | USD | 186000 | 186000 | United States |
| 2 | 2023 | Data Architect | Data Architecture and Modeling | USD | 81800 | 81800 | United States |
| 3 | 2023 | Data Scientist | Data Science and Research | USD | 212000 | 212000 | United States |
| 4 | 2023 | Data Scientist | Data Science and Research | USD | 93300 | 93300 | United States |
| | | | | | | | |
| 9350 | 2021 | Data Specialist | Data Management and Strategy | USD | 165000 | 165000 | United States |
| 9351 | 2020 | Data Scientist | Data Science and Research | USD | 412000 | 412000 | United States |
| 9352 | 2021 | Principal Data Scientist | Data Science and Research | USD | 151000 | 151000 | United States |
| 9353 | 2020 | Data Scientist | Data Science and Research | USD | 105000 | 105000 | United States |
| 9354 | 2020 | Business Data Analyst | Data Analysis | USD | 100000 | 100000 | United States |

```
In [13]: print(f"The number of rows in the dataset is {data.shape[0]}\nThe number of columns in t
    The number of rows in the dataset is 9355
    The number of columns in the data set is 12
In [3]: data.describe()
```

```
2022.760449 149927.981293 150299.495564
                   0.519470
                             63608.835387
            std
                                           63177.372024
                2020.000000
                             14000.000000
                                           15000.000000
            min
           25%
                 2023.000000
                           105200.000000
                                          105700.000000
           50%
                2023.000000
                           143860.000000
                                          143000.000000
           75%
                 2023.000000
                           187000.000000
                                          186723.000000
                2023.000000
                           450000.000000
                                          450000.000000
           max
In [17]:
          #checking the description of the non-numeric features as well
          data.describe(include='object')
Out[17]:
                  job_title job_category salary_currency employee_residence experience_level employment_type
           count
                     9355
                                 9355
                                                9355
                                                                  9355
                                                                                  9355
                                                                                                  9355
          unique
                      125
                                   10
                                                  11
                                                                    83
                     Data
                          Data Science
                                                USD
                                                            United States
                                                                                 Senior
                                                                                                Full-time
             top
                 Engineer
                          and Research
             freq
                     2195
                                 3014
                                                8591
                                                                  8086
                                                                                  6709
                                                                                                  9310
          data.info()
 In [4]:
          <class 'pandas.core.frame.DataFrame'>
          RangeIndex: 9355 entries, 0 to 9354
          Data columns (total 12 columns):
               Column
                                      Non-Null Count
                                                       Dtype
          - - -
                                                        ----
               work_year
           0
                                      9355 non-null
                                                        int64
           1
               job_title
                                      9355 non-null
                                                        object
           2
               job_category
                                      9355 non-null
                                                        object
           3
                salary_currency
                                      9355 non-null
                                                        object
           4
               salary
                                      9355 non-null
                                                       int64
           5
                salary_in_usd
                                      9355 non-null
                                                        int64
           6
                employee_residence 9355 non-null
                                                       object
           7
               experience_level
                                      9355 non-null
                                                       object
           8
               employment_type
                                      9355 non-null
                                                        object
                                                        object
           9
               work_setting
                                      9355 non-null
           10 company_location
                                      9355 non-null
                                                        object
                company_size
                                      9355 non-null
                                                        object
          dtypes: int64(3), object(9)
          memory usage: 877.2+ KB
 In [5]:
          data.isnull().sum()
```

Out[3]:

work_year

count 9355.000000

salary

9355.000000

salary_in_usd

9355.000000

```
salary_in_usd
                                   0
          employee_residence
                                   0
                                   0
          experience_level
          employment_type
                                   0
          work_setting
                                   0
          company_location
                                   0
                                   0
          company_size
          dtype: int64
In [22]: # summarizing the data description in the form of DataFrame
          pd.DataFrame(('Count':data.shape[0], 'Null':data.isnull().sum(),'Diversity':data.nunique
                             Count Null Diversity
Out[22]:
                   work_year
                              9355
                                      0
                                               4
                              9355
                                             125
                     job_title
                job_category
                              9355
                                      0
                                              10
              salary currency
                              9355
                                              11
                      salary
                              9355
                                      0
                                            1507
                salary in usd
                              9355
                                            1786
          employee_residence
                              9355
                                      0
                                              83
             experience_level
                              9355
                                               4
            employment_type
                              9355
                                               4
                                               3
                 work_setting
                              9355
                                      0
                                              70
            company_location
                              9355
                company_size
                              9355
                                               3
In [20]:
          data.duplicated().sum()
          4014
Out[20]:
In [29]:
          percentage_duplication = (data.duplicated().sum() / data.shape[0]) *100
```

work_year

job_title

salary

job_category
salary_currency

Out[5]:

0

0

0

0

0

The duplication percentage in the data is quite high, so we can not remove the duplicated data. The percentage is quite considerable because a specific position/role might have the same work setting and salary in a certain country. So we can conclude that the percentage do not represent duplicated values but different entries from the survey which had the same responses.

print("Percentage duplication in the data is", percentage_duplication)

Data Visualization and analysis:

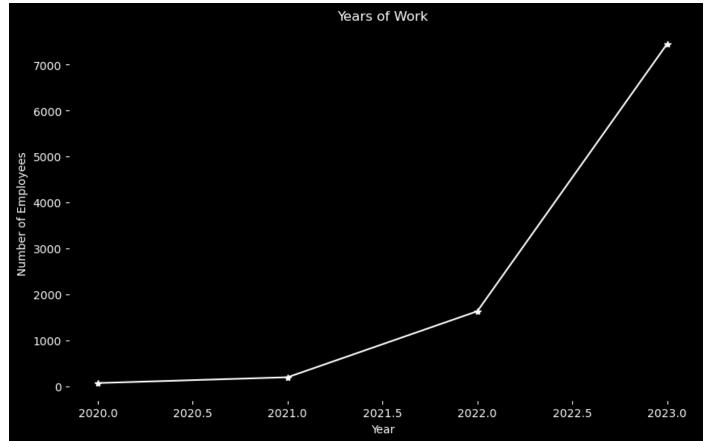
Percentage duplication in the data is 42.90753607696419

```
In [34]: # Calculate the frequency and proportion of occurrences for each unique value in the "wo data_work = data['work_year'].value_counts().reset_index()

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```

```
data_work = data_work.sort_values(by = 'count', ascending=False)
         print(data_work)
            work_year count
         0
                 2023
                        7453
                 2022
         1
                        1634
         2
                 2021
                         197
         3
                 2020
                          71
In [52]:
         plt.figure(figsize=(10,6))
         year_counts = data['work_year'].value_counts().sort_index()
         plt.plot(year_counts.index, year_counts.values, marker='*',linestyle='-',color="white")
         plt.xlabel("Year", color = 'white' )
         plt.ylabel("Number of Employees", color = 'white')
         plt.title("Years of Work", color = 'white')
         plt.gca().set_facecolor('black')
         plt.gcf().set_facecolor('black')
         plt.gca().tick_params(axis='x',colors='white')
         plt.gca().tick_params(axis='y',colors='white')
         plt.show()
```



From here we can conclude that the dataset includes work year from 2020 to 2023 with the highest amount of data from the year 2023

Each job category consists of several similar job titles depending on the main field. Fo instance if we consider job category Data Engineering then it includes several job titles like Data Engineer, ETL Developer, Software data engineer, etc.

```
In [57]: # Calculate the frequency of occurrences for each unique job_category in the column

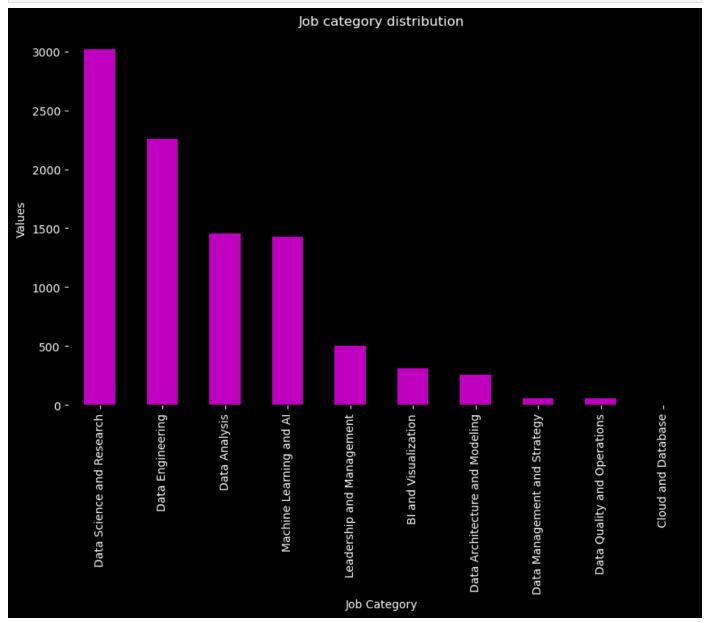
data_job = data['job_category'].value_counts().reset_index()
    data_job.columns = ['Job_Category', 'Count']
    data_job = data_job.sort_values(by='Count', ascending=False)
    print(data_job)

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```

```
0
                  Data Science and Research
                                               3014
         1
                           Data Engineering
                                              2260
         2
                              Data Analysis
                                               1457
         3
                    Machine Learning and AI
                                              1428
         4
                  Leadership and Management
                                                503
         5
                       BI and Visualization
                                                313
         6
            Data Architecture and Modeling
                                                259
         7
               Data Management and Strategy
                                                 61
         8
                                                 55
               Data Quality and Operations
         9
                         Cloud and Database
                                                  5
         plt.figure(figsize=(10,6))
In [61]:
         data['job_category'].value_counts().plot(kind='bar', color = 'm')
         plt.xlabel("Job Category", color = 'white' )
         plt.ylabel("Values", color = 'white')
         plt.title("Job category distribution", color = 'white')
         plt.gca().set_facecolor('black')
         plt.gcf().set_facecolor('black')
         plt.gca().tick_params(axis='x',colors='white')
         plt.gca().tick_params(axis='y',colors='white')
         plt.show()
```

Count

Job_Category

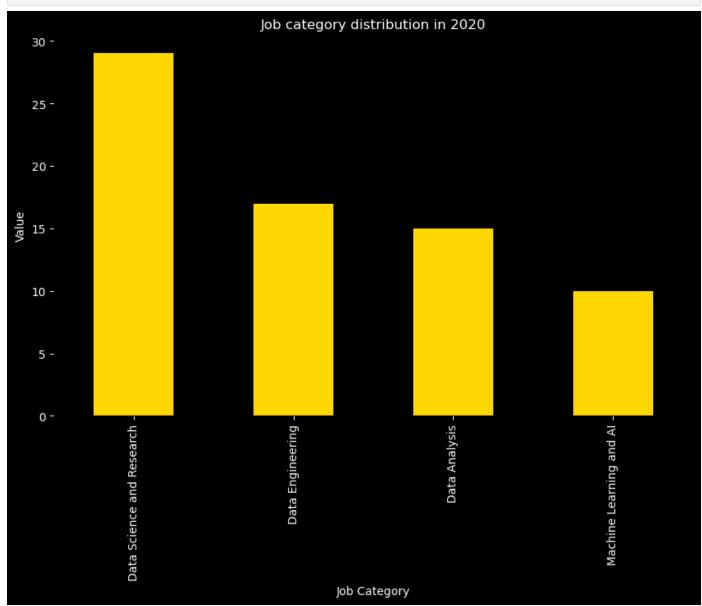


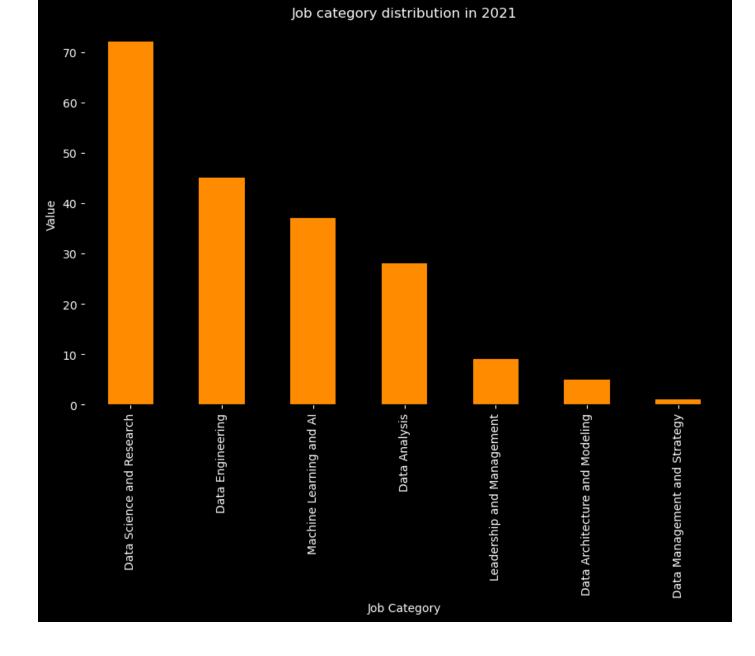
From here we can say that our data consists of 10 different job category's data. The Data Science and Research being the category with highest number of jobs, followed by Data Engineering, Data

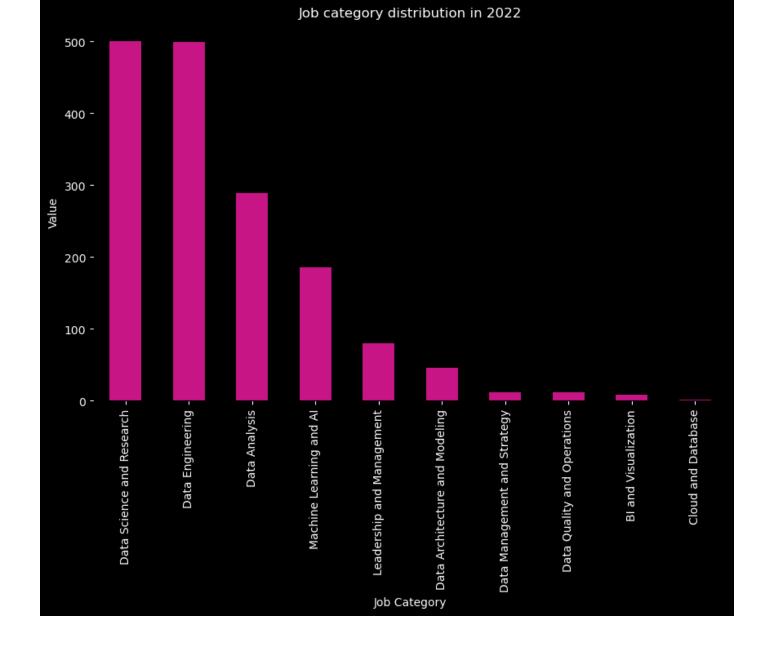
Analysis and Machine Learning Al. On the other hand, Cloud and Database is the job category with least number of jobs availablity.

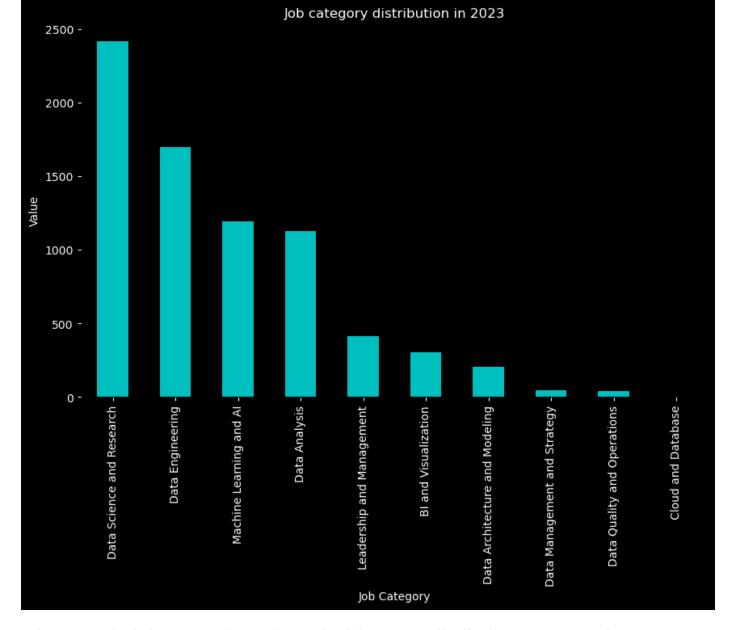
```
In [68]: # now we will try to understand the job category distribution every year

data_job_category = data.groupby('work_year')['job_category'].value_counts()
colors = ['gold', 'darkorange', 'mediumvioletred', 'c']
j = 0
for i in range(2020,2024):
    plt.figure(figsize=(10,6))
    data_job_category[i].plot(kind='bar', color = colors[j])
    plt.xlabel("Job Category", color = 'white')
    plt.ylabel("Value", color = 'white')
    plt.title(f"Job category distribution in {i}", color = 'white')
    plt.gca().set_facecolor('black')
    plt.gcf().set_facecolor('black')
    plt.gca().tick_params(axis='x',colors='white')
    plt.gca().tick_params(axis='y',colors='white')
    plt.show()
    j+=1
```









Above ggraphs help us to understand yearwise job category distribution. In year 2020 data was offering jobs in only four categories, viz. Data science and research, Data engineering, Data Analysis and ML and AI in the descending order respectively. In 2021, the job categories increased to seven adding Leadership & Management, Data Architecture & modelling, and Data management& startegy as new categories. But this year also, Data Science and Research remained the most job offering category. In year 2022, the catgories in which data offered job further increased to 10. This year, Data Science & research and Data engineering became the categories offering same amount of jobs and were higest amongst the other categories. In 2023, the number of categories remained same but again, Data Science & research offered more jobs as compared to ther categories.

Now we will find the job titles included in each job category and try to find job titles the job seeker can concentrate on

```
Job title distribution in Data Engineering category
                       job_title frequency
0
                   Data Engineer
1
                  ETL Developer
2
   Data Infrastructure Engineer
                                         12
3
               Big Data Engineer
                                         8
4
              Lead Data Engineer
                                          6
5
             Cloud Data Engineer
                                         4
6
                                          3
         Principal Data Engineer
7
         Software Data Engineer
                                          3
8
           Data DevOps Engineer
                                          2
9
       Data Integration Engineer
                                          2
10
            Azure Data Engineer
                                          2
11
                    ETL Engineer
                                          2
12
        Consultant Data Engineer
                                          1
13
               BI Data Engineer
                                          1
                                          1
14
        Marketing Data Engineer
******************
Job title distribution in Data Architecture and Modeling category
              job_title frequency
0
         Data Architect
                               213
1
          Data Modeler
                               22
2
       Data Strategist
                               18
3
          Data Modeller
                                2
                                2
4
     Big Data Architect
5
    AWS Data Architect
                                1
  Cloud Data Architect
Job title distribution in Data Science and Research category
                             job_title frequency
0
                        Data Scientist
                                             1989
1
                    Applied Scientist
                                              272
2
                    Research Scientist
                                              269
3
                    Research Engineer
                                              144
4
                  Data Science Manager
                                               88
5
               Data Science Consultant
                                               44
6
                      Research Analyst
                                               39
7
                    Decision Scientist
                                               38
8
              Director of Data Science
                                               29
9
                    Data Science Lead
                                              20
10
                Data Science Engineer
                                              14
11
                Applied Data Scientist
12
                  Head of Data Science
                                              11
            Data Science Practitioner
13
                                              10
14
             Principal Data Scientist
15
                   Lead Data Scientist
                                               8
16
                  AI Research Engineer
                                                4
17
                Data Science Director
18
   Machine Learning Research Engineer
                                                4
19
                 Staff Data Scientist
                                                2
20
                   Data Scientist Lead
                                                2
21
        Managing Director Data Science
                                                1
               Data Science Tech Lead
Job title distribution in Machine Learning and AI category
                                   job_title frequency
0
                   Machine Learning Engineer
                                                    991
1
                                 ML Engineer
                                                    106
2
                  Machine Learning Scientist
                                                     76
                                                     36
3
                                 AI Engineer
4
   Machine Learning Infrastructure Engineer
                                                     27
5
                   Computer Vision Engineer
                                                     25
6
                                AI Scientist
                                                     18
                                AI Developer
                                                     18
```

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```
8
                Machine Learning Researcher
                                                   17
9
                                                   13
         Machine Learning Software Engineer
10
                              AI Architect
                                                   12
         Applied Machine Learning Scientist
11
                                                   12
12
                     Deep Learning Engineer
                                                   12
13
                               NLP Engineer
                                                   12
14
                             MLOps Engineer
                                                   11
15
                 Machine Learning Developer
                                                    8
                                                    5
16
          Computer Vision Software Engineer
17
                                                    5
                             AI Programmer
18
                   Machine Learning Manager
                                                    4
19
             Lead Machine Learning Engineer
                                                    3
20
          Applied Machine Learning Engineer
                                                    3
21
        Principal Machine Learning Engineer
                                                    3
22
                   Machine Learning Modeler
                                                    2
23
                Machine Learning Specialist
                                                    2
                                                    2
24
                   Head of Machine Learning
25
              Autonomous Vehicle Technician
                                                    2
26
            Staff Machine Learning Engineer
                                                    1
27
       Machine Learning Operations Engineer
                                                    1
                   Deep Learning Researcher
                                                    1
************************
Job title distribution in Data Analysis category
                            job_title frequency
0
                         Data Analyst
                                           1388
1
                Business Data Analyst
                                             18
2
                      BI Data Analyst
                                             16
3
                      Insight Analyst
                                             8
4
                 Product Data Analyst
5
               Financial Data Analyst
                                              4
6
                   Staff Data Analyst
                                              3
7
                 Finance Data Analyst
8
                    Lead Data Analyst
                                              3
   Business Intelligence Data Analyst
                                              2
9
10
              Compliance Data Analyst
               Marketing Data Analyst
                                              2
11
12
               Principal Data Analyst
                                              2
                   Sales Data Analyst
                                              1
******************
Job title distribution in Leadership and Management category
                       job_title frequency
              Analytics Engineer
                                       256
1
                    Data Manager
                                       132
2
          Data Analytics Manager
                                        38
3
                    Head of Data
                                       33
4
                                        14
                       Data Lead
5
            Data Product Manager
                                         8
6
                  Data Developer
7
         Data Analytics Engineer
8
             Data Analytics Lead
                                         3
9
              Data Product Owner
                                         2
       Data Analytics Specialist
                                         2
10
                                         2
11
       Data Analytics Consultant
12
                                         1
   Analytics Engineering Manager
       Manager Data Management
                                         1
Job title distribution in BI and Visualization category
                          job_title frequency
     Business Intelligence Engineer
                                          144
1
      Business Intelligence Analyst
                                           54
2
                       BI Developer
                                           52
3
                         BI Analyst
                                           29
    Business Intelligence Developer
                                           17
5
  <u>Business</u> Intelligence Specialist
```

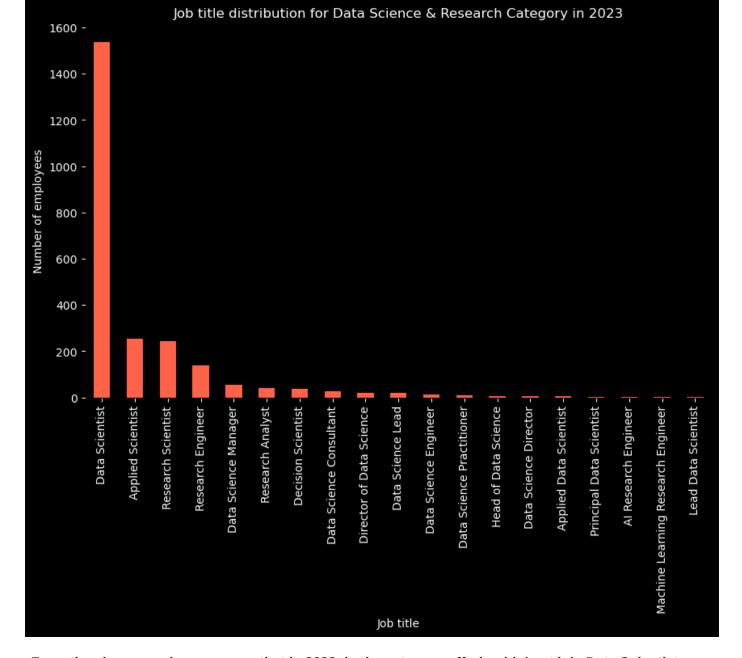
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```
6
      Data Visualization Specialist
7
       Data Visualization Engineer
8
    Business Intelligence Manager
                                        2
                                        2
9
      Data Visualization Analyst
10
               Power BI Developer
                                        1
*********************
Job title distribution in Data Quality and Operations category
                 job_title frequency
       Data Quality Analyst
                                20
1
    Data Operations Engineer
                                16
2
     Data Operations Analyst
                                10
3 Data Operations Specialist
                                4
4
      Data Quality Engineer
                                  3
     Data Operations Manager
                                  2
Job title distribution in Data Management and Strategy category
                  job_title frequency
0
             Data Specialist
                               40
1 Data Integration Specialist
                                 10
  Data Management Specialist
                                 5
3
       Data Strategy Manager
                                  4
      Data Management Analyst
                                   2
4
```

In 2023, Data Science and reserach was the category offering the highest number of jobs, so let us check the job title distibution amongst that category, to further easy the process of job search

```
In [85]: data_science_df = data[data['job_category'] == 'Data Science and Research']
    data_science_dfnew = data_science_df[data_science_df['work_year'] == 2023]
    print(data_science_dfnew)
```

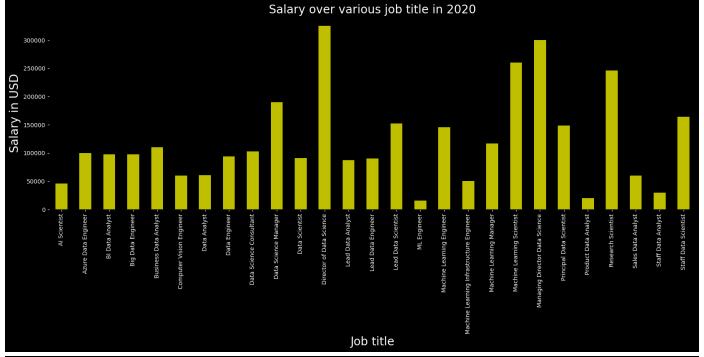
```
job_title
                   work_year
                                                                 job_category
            3
                        2023
                                  Data Scientist
                                                   Data Science and Research
            4
                        2023
                                  Data Scientist Data Science and Research
            5
                        2023
                                  Data Scientist Data Science and Research
            6
                        2023
                                  Data Scientist Data Science and Research
            13
                        2023
                                  Data Scientist Data Science and Research
                         . . .
            . . .
                        2023 Research Scientist Data Science and Research
            7469
            7470
                        2023
                                  Data Scientist Data Science and Research
                                  Data Scientist Data Science and Research
            7471
                        2023
            7493
                        2023
                                  Data Scientist Data Science and Research
                                  Data Scientist Data Science and Research
            7494
                        2023
                  salary_currency salary
                                            salary_in_usd employee_residence
            3
                              USD
                                   212000
                                                    212000
                                                                United States
            4
                              USD
                                     93300
                                                    93300
                                                                United States
            5
                                                                United States
                              USD
                                   130000
                                                    130000
            6
                              USD
                                                    100000
                                                                United States
                                  100000
            13
                              GBP
                                     35000
                                                     43064
                                                               United Kingdom
             . . .
                              . . .
                                       . . .
                                                       . . .
            7469
                              USD 145900
                                                    145900
                                                                United States
            7470
                              USD 120000
                                                   120000
                                                                       Canada
            7471
                              USD 110000
                                                    110000
                                                                        Canada
            7493
                              USD
                                   130000
                                                   130000
                                                                United States
            7494
                              USD
                                                                United States
                                     90000
                                                    90000
                  experience_level employment_type work_setting company_location \
            3
                            Senior
                                          Full-time
                                                                     United States
                                                        In-person
            4
                            Senior
                                          Full-time
                                                        In-person
                                                                     United States
            5
                                          Full-time
                                                                     United States
                            Senior
                                                           Remote
            6
                                          Full-time
                                                                     United States
                            Senior
                                                           Remote
                                                                    United Kingdom
            13
                         Mid-level
                                          Full-time
                                                        In-person
             . . .
                                                              . . .
                            Senior
                                          Full-time
                                                                     United States
            7469
                                                        In-person
            7470
                                          Full-time
                            Senior
                                                        In-person
                                                                             Canada
                                          Full-time
            7471
                                                        In-person
                                                                             Canada
                            Senior
            7493
                         Mid-level
                                          Full-time
                                                        In-person
                                                                     United States
            7494
                         Mid-level
                                          Full-time
                                                                     United States
                                                        In-person
                  company_size
            3
            4
                             Μ
            5
                             Μ
            6
                             Μ
            13
                             Μ
             . . .
                           . . .
                             Μ
            7469
            7470
            7471
                             Μ
            7493
                             Μ
            7494
            [2413 rows x 12 columns]
  In [88]:
            plt.figure(figsize=(10,6))
             data_science_dfnew['job_title'].value_counts().plot(kind='bar', color = 'tomato')
             plt.xlabel("Job title", color = 'white' )
             plt.ylabel("Number of employees", color = 'white')
             plt.title("Job title distribution for Data Science & Research Category in 2023", color =
             plt.gca().set_facecolor('black')
             plt.gcf().set_facecolor('black')
             plt.gca().tick_params(axis='x',colors='white')
             plt.gca().tick_params(axis='y',colors='white')
             nlt.show()
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```

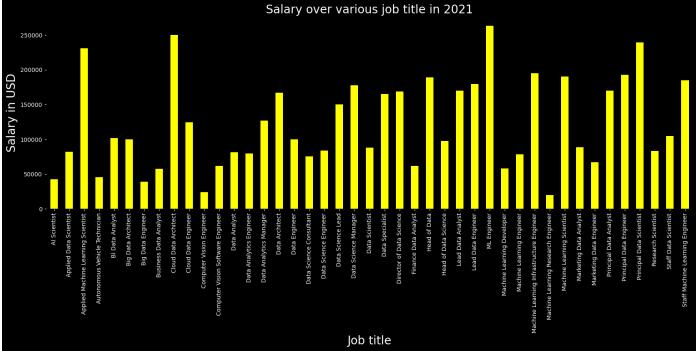


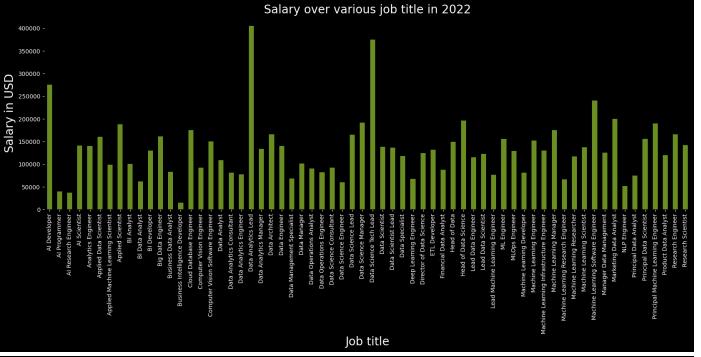
From the above graph we can say that in 2023, in the category offering highest job, Data Scientists got highest employement followed by Applied scientist, Research Scientist and Reserach Engineer

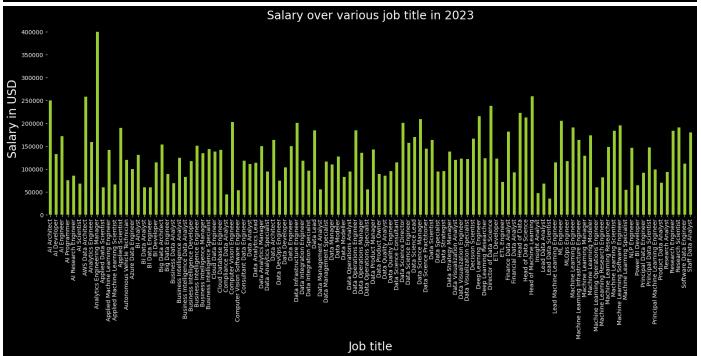
Above graph shows us that the maximum salary was offered by the Data Engineer job. Now we will analyse the salary distribution over various job titles in different years below:

```
In [112... df_salary_in_usd = data.groupby(['work_year','job_title'])['salary_in_usd'].mean()
    colors = ['y','yellow','olivedrab','yellowgreen']
    j = 0
    for i in range(2020,2024):
        plt.figure(figsize=(20,6))
        df_salary_in_usd[i].plot(kind='bar', color = colors[j])
        plt.xlabel("Job title", color = 'white', fontsize = 20 )
        plt.ylabel("Salary in USD", color = 'white', fontsize = 20)
        plt.title(f"Salary over various job title in {i}", color = 'white', fontsize = 20)
        plt.gca().set_facecolor('black')
        plt.gca().set_facecolor('black')
        plt.gca().tick_params(axis='x',colors='white')
        plt.show()
        j+=1
```









The above graphs shows us the salary disrtibtion over different years under different job titles.

Analysing these graphs will help us to selcet the job title as per the pay scale we are expecting and thus, will help the employee to prepare themselves for the particular job title

```
In [139... data['employee_residence'].nunique()
Out[139]: 83
```

Now we can see that the dataset have data for 83 different countries, which will make it difficult to analyse it. SO we are analysing the data for only top 10 countries.

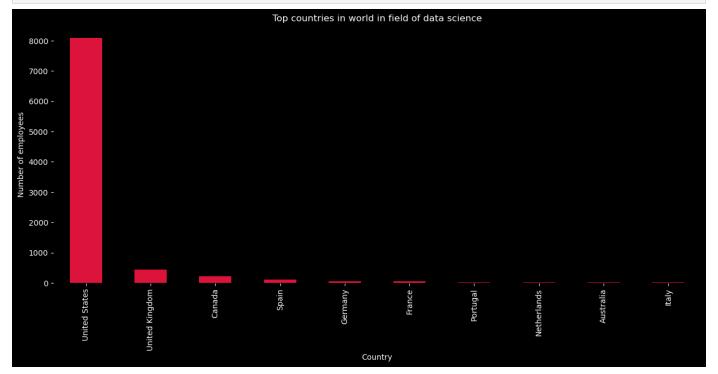
```
In [131... plt.figure(figsize = (15,6))
    var = data['employee_residence'].value_counts()
    var[:10:].plot(kind='bar', color = 'crimson')
    plt.xlabel("Country", color = 'white')
    plt.ylabel("Number of employees", color = 'white')

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Loading [MathJax]/extensions/Safe.js

    plt.figure(figsize = (15,6))
    var = (15,6)
    value_counts()
    value_counts()
```

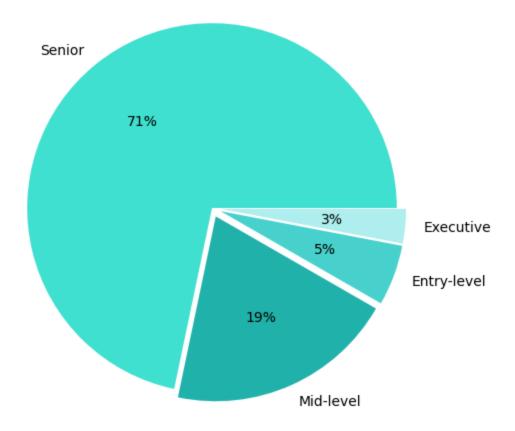
```
plt.gca().set_facecolor('black')
plt.gcf().set_facecolor('black')
plt.gca().tick_params(axis='x',colors='white')
plt.gca().tick_params(axis='y',colors='white')
plt.show()
```



From above graph we can say that the United states has maximum job opportunities for the data jobs followed by United Kingdom. Whereas Italy stands at 10th postion in this category.

```
In [137... plt.figure(figsize=(10,6))
    var1 = data['experience_level'].value_counts()
    plt.pie(var1,labels=['Senior','Mid-level','Entry-level','Executive'],autopct='%i%%',colo
    plt.title('Experience level for data job',fontsize=15,color='k');
```

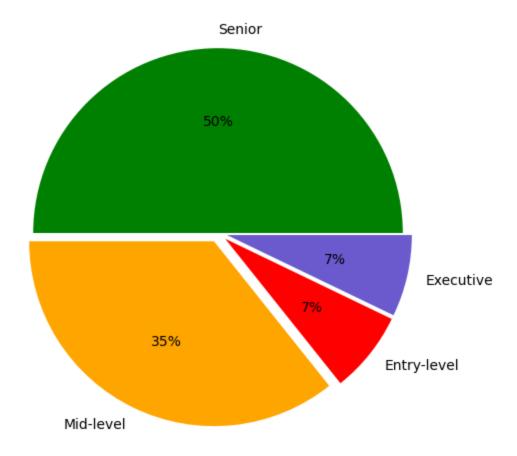
Experience level for data job



The above pie chart shows that the maximum number of employment in the field was done for people with expertise at senior level for all these 4 years. Whereas the entry-level and the executive-level jobs contibute to total of 8% of job contibution.

```
In [147... datajobs_india = data[data['employee_residence'] == 'India'] #creating a new dat
    plt.figure(figsize=(10,6))
    var2 = datajobs_india['experience_level'].value_counts()
    plt.pie(var2,labels=['Senior','Mid-level','Entry-level','Executive'],autopct='%i%',colo
    plt.title('Experience level for data job in India',fontsize=15,color='k');
```

Experience level for data job in India

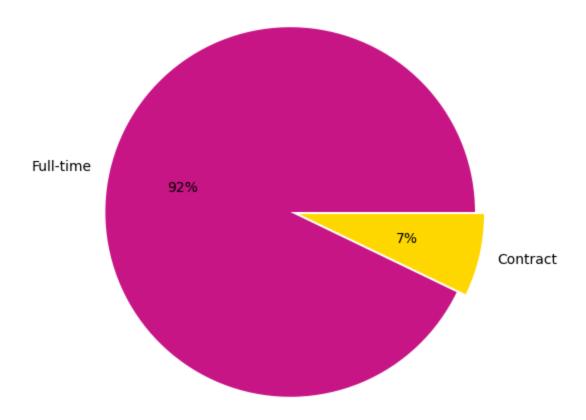


In Indian market the 50% of total jobs were offered for senior position whereas 14% of total jobs were offered for entry and executive level.

```
In [153... data['employment_type'].unique()
Out[153]: array(['Full-time', 'Part-time', 'Contract', 'Freelance'], dtype=object)

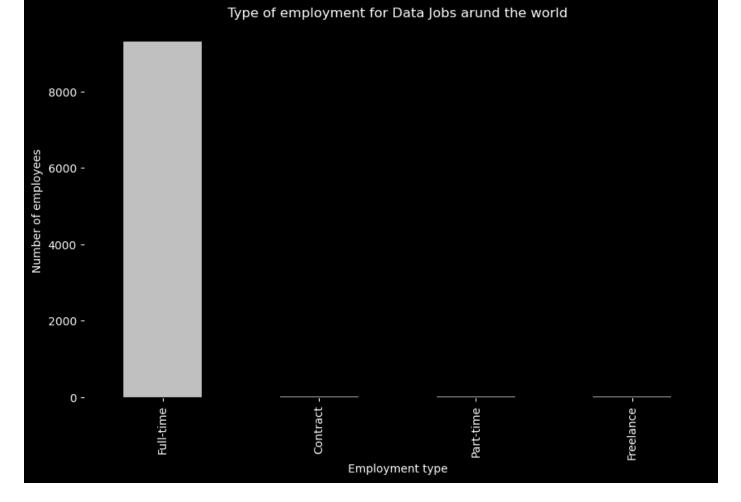
In [152... plt.figure(figsize=(10,6))
    var3 = datajobs_india['employment_type'].value_counts()
    plt.pie(var3,labels=['Full-time', 'Contract'], autopct='%i%', colors=['mediumvioletred', 'g
    plt.title('Type of Employment for Data Jobs in India', fontsize=15, color='k');
```

Type of Employment for Data Jobs in India



In Indian market most of the employemnt is full-time and only 7% of jobs are offered on contract basis.

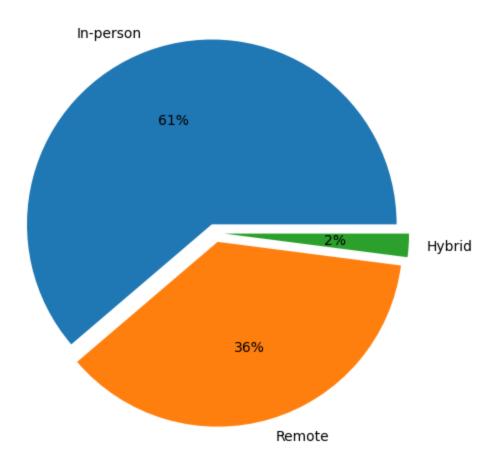
```
In [156...
plt.figure(figsize=(10,6))
    data['employment_type'].value_counts().plot(kind='bar', color = 'silver')
    plt.xlabel("Employment type", color = 'white')
    plt.ylabel("Number of employees", color = 'white')
    plt.title("Type of employment for Data Jobs arund the world", color = 'white')
    plt.gca().set_facecolor('black')
    plt.gcf().set_facecolor('black')
    plt.gca().tick_params(axis='x',colors='white')
    plt.gca().tick_params(axis='y',colors='white')
    plt.show()
```



Around the world we can see that there are four job categories, with full-time category being the dominant one

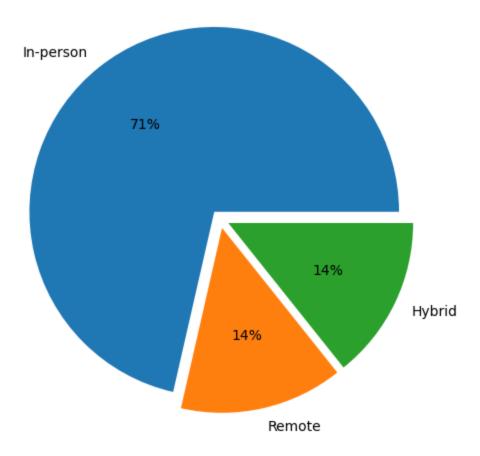
```
plt.figure(figsize=(10,6))
var4 = data['work_setting'].value_counts()
plt.pie(var4,labels=['In-person','Remote','Hybrid'],autopct='%i%%',explode = [0.05,0.05,
plt.title('Type of Work Setting around the world',fontsize=15,color='k');
```

Type of Work Setting around the world



```
plt.figure(figsize=(10,6))
var4 = datajobs_india['work_setting'].value_counts()
plt.pie(var4,labels=['In-person','Remote','Hybrid'],autopct='%i%%',explode = [0.05,0.05,
plt.title('Type of Work Setting in India',fontsize=15,color='k');
```

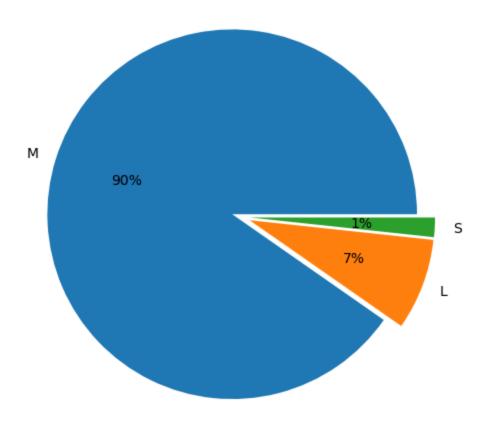
Type of Work Setting around the world



In India and all over the world, the employment with in-person type of work setting is the dominant one. But in Indian market both the Hybrid and Remote work culture exsists with same percentage. This could be great insight form the point of view of the job-seekers with limited work setting requirements.

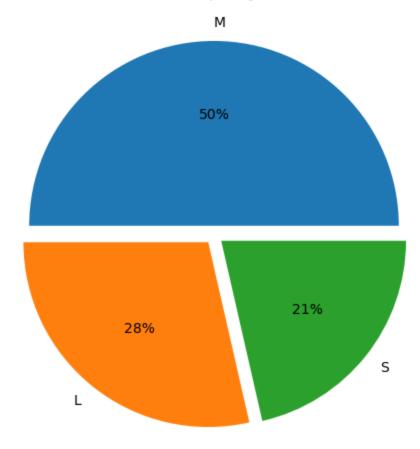
```
plt.figure(figsize=(10,6))
var5 = data['company_size'].value_counts()
plt.pie(var5,labels=['M','L','S'],autopct='%i%%',explode = [0.05,0.05,0.05])
plt.title('Size of Company',fontsize=15,color='k');
```

Size of Company



```
plt.figure(figsize=(10,6))
var6 = datajobs_india['company_size'].value_counts()
plt.pie(var6,labels=['M','L','S'],autopct='%i%%',explode = [0.05,0.05,0.05])
plt.title('Size of Company in India',fontsize=15,color='k');
```

Size of Company in India



Around the world medium-size company are the major employeer whereas in india the market is distibuted 50% with medium_scale companies and 50% with large-scale and small-scale companies.