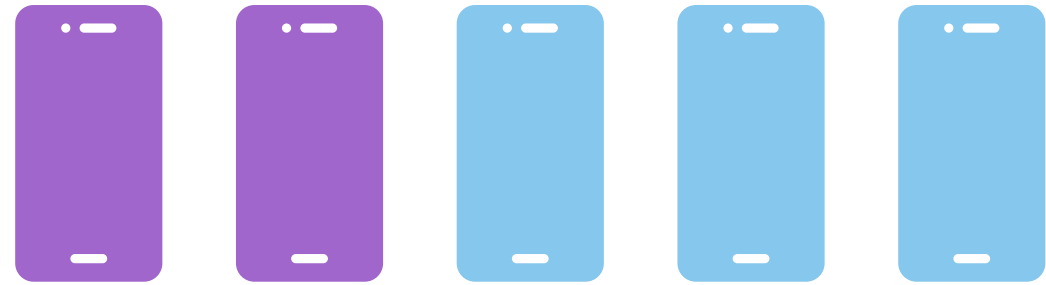




DATA SCIENTISTS SALARY ANALYSIS

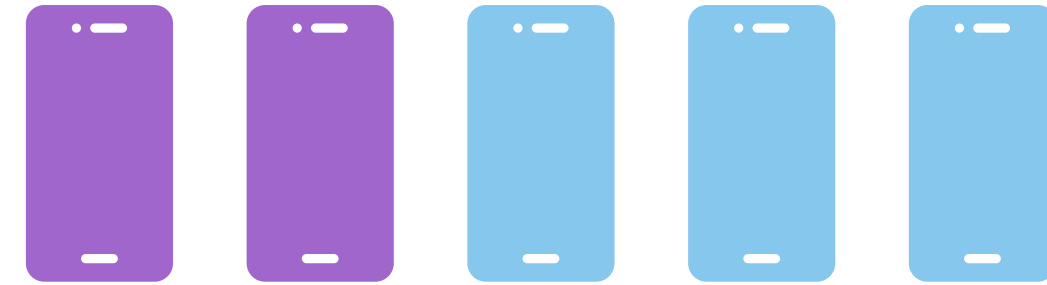
by
VICTOR ETIM

Project Description



Growing requests for Data Scientists

There has been an increase in the need of Data Scientists since 2012, and this has also been accompanied with a juicy take-home salary.



Project Objective

In this project, we'd be visualizing and analyzing several features associated with the salary that a person working in data science can receive.

Key Deliverables

We will present a dataset summary & then insights gathered concerning data scientist jobs between 2020 and 2022.

Summary

- There are no null values in the dataset.
- The dataset has 607 rows and 15 columns.

DATASET SUMMARY

Manipulations

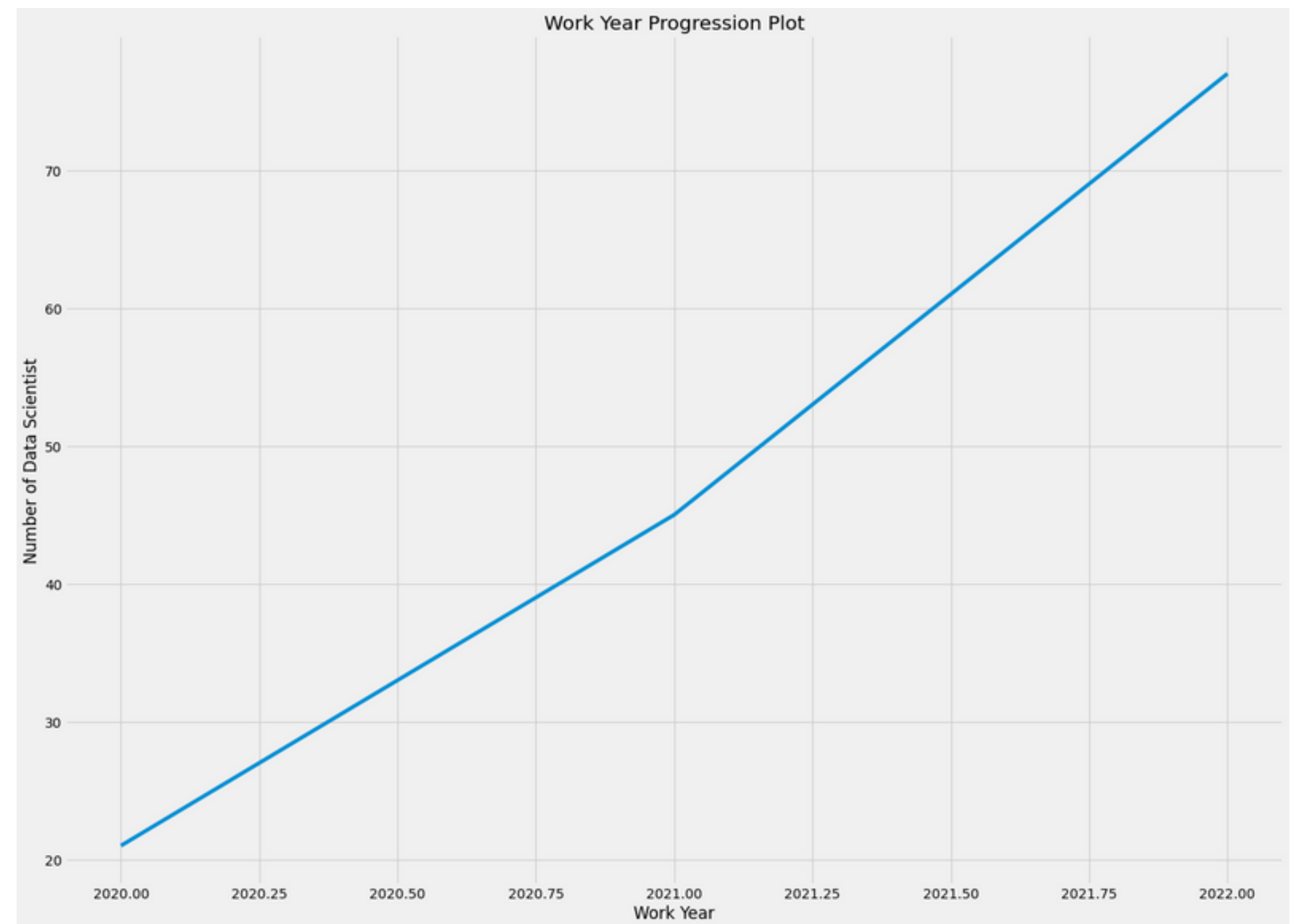
- For some countries, the ISO codes acronym was replaced with the full country name.
- The column title - 'Unnamed', was removed since it wasn't essential.

Work Year Analysis

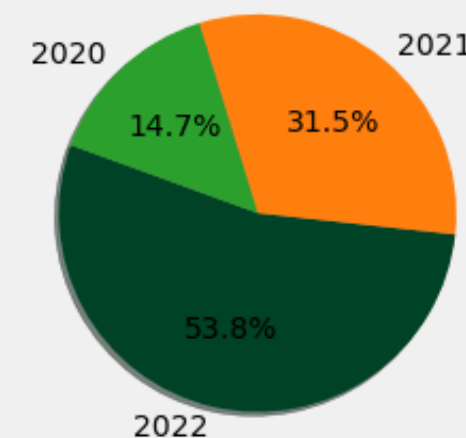
This analysis gives a perspective into the year with the highest number of employment for Data Scientists.

The gathered insight is:

- The number of employed data scientists rose from 21 in 2020, to 77 persons in 2022 which is a 267% rate increase in number of employment for that role.



Data Scientist Job Roles Across 2020 - 2022



```
work_year
2022      77
2021      45
2020      21
dtype: int64
```

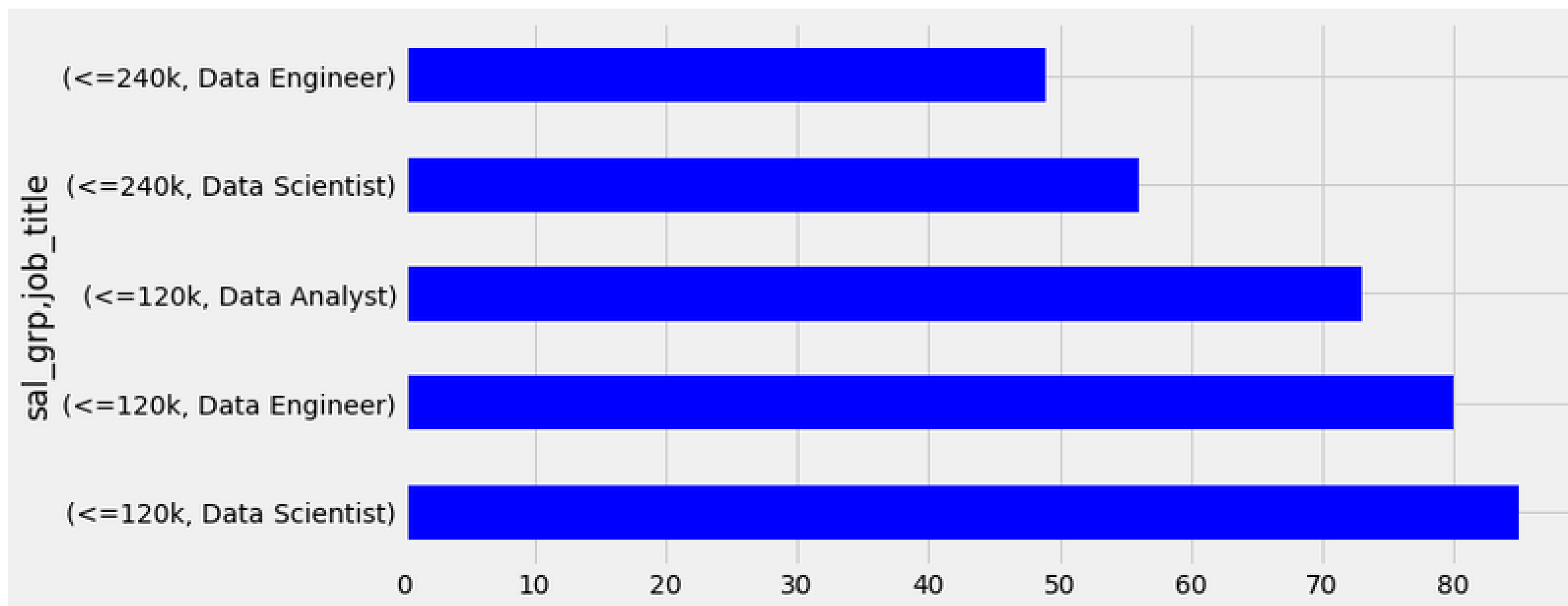
Data Scientist Paycheck Potential

LEAST SALARY

The lowest salary is 2859 dollars, earned by a junior mid-level Data Scientist that is working full-time (2021).

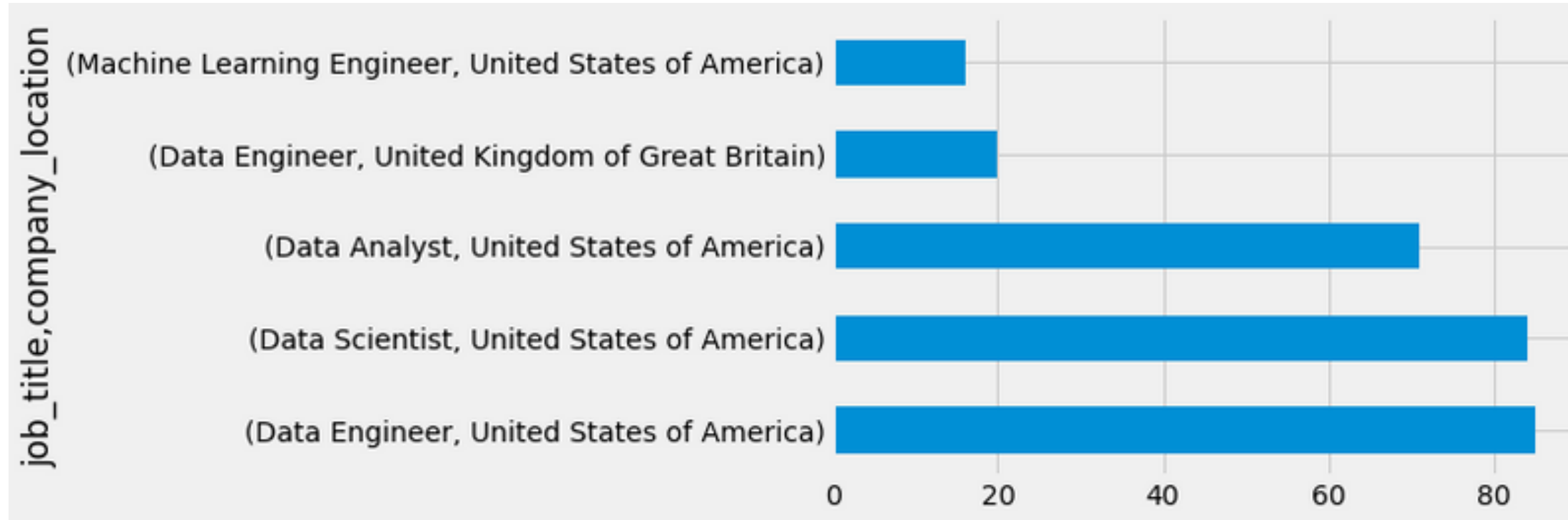
HIGHEST SALARY

There are 85 data scientists being paid below <=120k, and 56 data scientists are paid within the range of 240k (<=240k dollars)



```
sal_grp  job_title
<=120k   Data Scientist    85
         Data Engineer     80
         Data Analyst      73
<=240k   Data Scientist    56
         Data Engineer     49
Name: sal_grp, dtype: int64
```

Employment Location



```
job_title      company_location      count
Data Engineer  United States of America      85
Data Scientist United States of America      84
Data Analyst   United States of America      71
Data Engineer  United Kingdom of Great Britain  20
Machine Learning Engineer United States of America  16
Name: company_location, dtype: int64
```

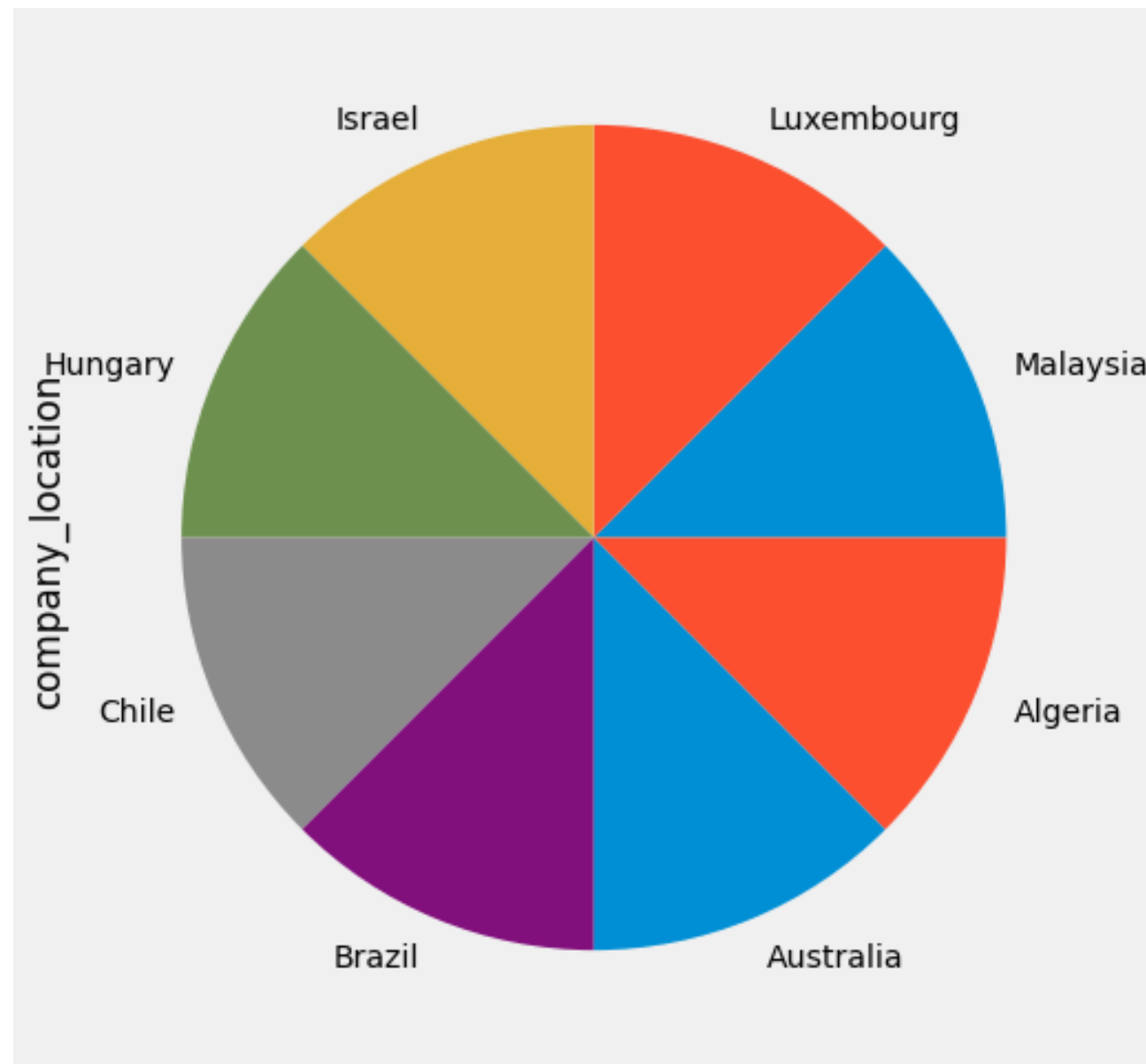
Highest Employment Area

- Most data scientists get jobs in the US, and the total number in this dataset was 84.

Employment Location

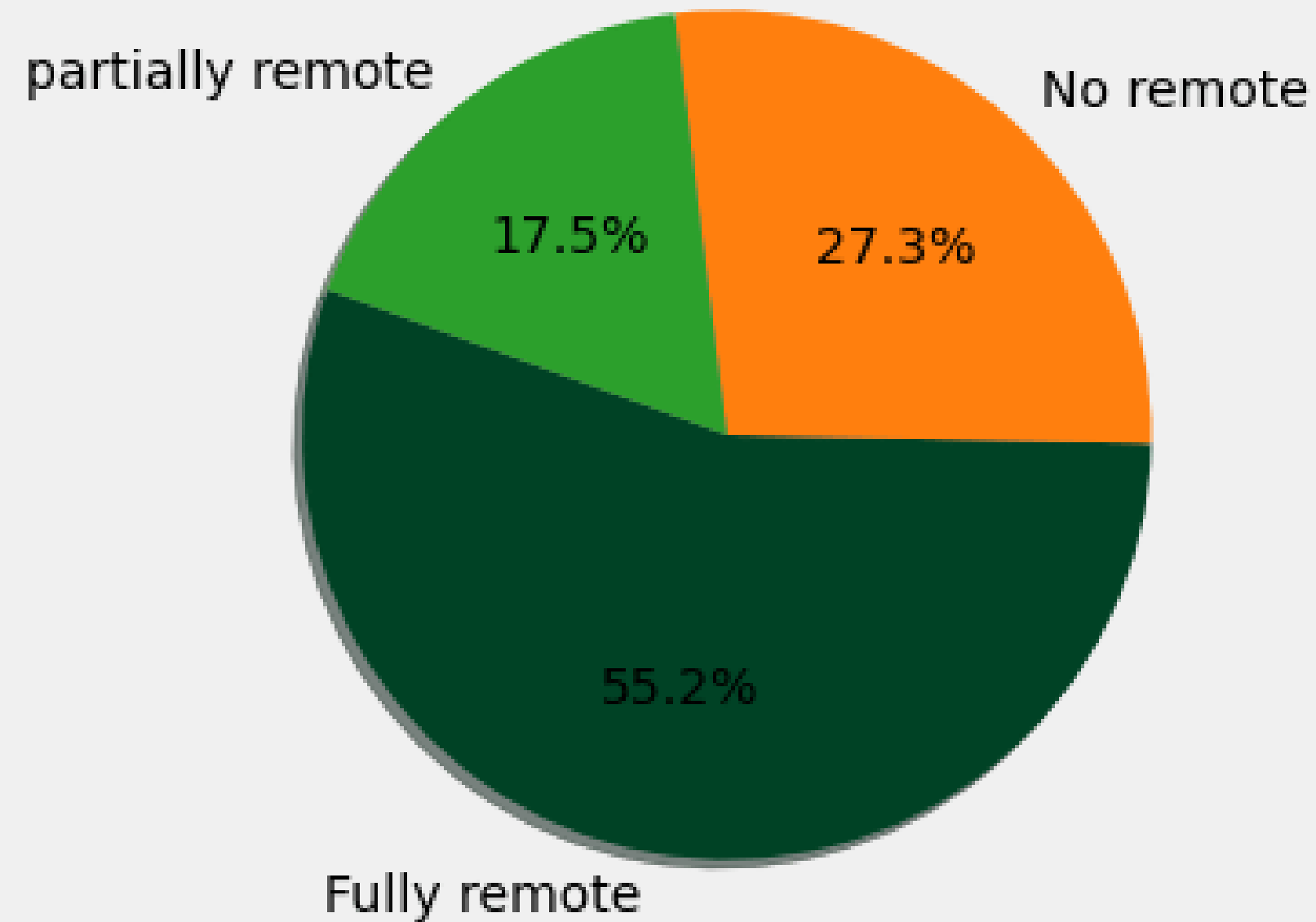
Least Employment

- The countries with the least employment of data scientists are, Malaysia, Luxembourg, Israel, Hungary, Chile, Brazil, Australia, and Algeria.
- Each having an employment figure of '1'; possibly because many companies in these countries have not appreciated the importance of harnessing and analysing data.



```
company_location
Malaysia      1
Luxembourg    1
Israel        1
Hungary       1
Chile         1
Brazil        1
Australia     1
Algeria       1
Name: company_location, dtype: int64
```

Data Science Job Title and Remote Ratio



Remote Location Job Ratio

**Among 143 data scientists
job locations listed, about
55% fully remote.**

RECOMMENDATIONS



Company Location

Employment Potential

Entry to Senior Intermediate level data scientists hoping to begin a career in the field with good salaries ought to consider working in the US.



Company Location

Awareness Creation

In nations like, Brazil, Malaysia, Chile etc., organizations need to adopt the practice of utilizing data and its associated skilled personnel to benefit from the gold mine of insights to be unraveled, coupled with the profitability potential.



Employment Type

Is Full-Time better?

It is more worthwhile to work as a data scientist on a full-time basis, in comparison to part-time and freelance.



/////

CONTACT ME



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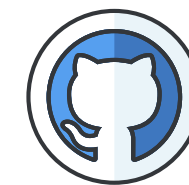


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**THANK
YOU!**

