

# DS Assignment

## Information

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Section: 1

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Dataset link: <https://www.kaggle.com/datasets/sudalairajkumar/novel-corona-virus-2019-dataset/code>

## Phenomenon Description

The Data Science Job Salaries Dataset is a valuable resource for anyone interested in understanding the job market for data science roles. This dataset provides information on the salaries, job titles, and employment characteristics of data science professionals from various countries and industries. By analyzing this dataset, one can gain insights into the factors that contribute to salary differences in data science, such as years of experience, job title, and company size. These insights can help individuals seeking to advance their careers in data science make informed decisions about their career paths and negotiate fair compensation.

## Questions

1. What is the average salary at each experience level?

- Entry: 78K
- Intermediate: 104K
- Senior: 153K
- Expert: 194K

2. What are the most paid job titles?

- Data Science Tech Lead
- Cloud Data Architect
- Data Lead
- Data Analytics Lead

3. What is the salary distribution of data scientists and engineers and what is the mode salary?

The most paid salary is 116K

4. Which company size pay most in each experience level? / Is there any relation between the company size and the average salary in each experience level?

Medium company pay highest average in all levels except seniors which payed most in large companies

5. Will the average salary continue to increase by 2024?

From the behaviour in the last three years it is expected to increase

6. What is the distribution of salaries by company location? / Which countries pay higher salaries?

- United States
- Russia

7. What is the distribution of remote workers by company? / Which countries have higher remote ratios? What are the top 10 companies with the remote workers in each company size?

There is a big number. Some of them are Argentina and Iran

8. What is the distribution of workers in countries in each employment type?

Answer in the graph

## Dashboard link

[https://public.tableau.com/app/profile/taher.mohamed6759/viz/DSSalaries\\_16831372368160/Dashboard1?publish=yes](https://public.tableau.com/app/profile/taher.mohamed6759/viz/DSSalaries_16831372368160/Dashboard1?publish=yes)