**Latest Data Science Salaries**

Analyzing the Evolution of Data Science Salaries from 2020 to 2023

## About Dataset

### **Context**

The "**Data Science Salaries**" dataset provides valuable insights into the compensation trends and variations in the field of data science from 2020 to 2023. This dataset encompasses a comprehensive collection of salary information from various industries, organizations, and geographic regions, enabling data professionals, researchers, and organizations to analyze and understand the prevailing salary landscape in the data science domain during this four-year period. By examining this dataset, one can gain a deeper understanding of the factors influencing data science salaries, such as job roles, experience levels, educational backgrounds, and geographical locations. The dataset serves as a valuable resource for individuals seeking career guidance, companies aiming to benchmark their compensation strategies, and researchers investigating the evolving dynamics of the data science job market.

### **Content**

The dataset includes information about Job Title, Employment Type, Experience Level, Expertise Level, Salary, Salary Currency, Company Location, Salary in USD, Employee Residence, Company Size, and Year. This information provides a comprehensive view of job-related details, compensation levels, company characteristics, and temporal aspects, offering valuable insights for analyzing and understanding the dataset.

### **Structure of the Dataset**

Job Title :Different types of job in Data Science

Employment Type :Full time/Part time

Experience Level :Entry/Executive/Mid/Senior

Expertise level :Intermediate/Expert

Salary :Salary for different jobs

Salary Currency :Salary given in currency

Company Location :Where the company is located

Salary in USD :Salary given in USD

Employee Residence:where the employee is living

Company Size :Small/Medium/Large

Year :2020-2023

1:Compairing different type of Data Science Employees salary in Currency with their experience .

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salary in currency** | **Column Labels** |  |  |  |  |
| **Row Labels** | **Entry** | **Executive** | **Mid** | **Senior** | **Grand Total** |
| BI Analyst | 76000 |  | 126000 | 2091940 | 2293940 |
| BI Data Analyst | 230000 | 150000 | 11558000 | 67000 | 12005000 |
| BI Data Engineer | 60000 |  |  |  | 60000 |
| BI Developer | 260000 |  | 324500 | 1612000 | 2196500 |
| Data Analyst | 3717304 | 455000 | 14157956 | 34918916 | 53249176 |
| Data Analytics Consultant | 50000 |  | 113000 |  | 163000 |
| Data Analytics Engineer | 20000 |  | 245000 | 117000 | 382000 |
| Data Analytics Lead |  |  | 1440000 | 405000 | 1845000 |
| Data Analytics Manager |  | 295000 | 4077000 | 2031740 | 6403740 |
| Data Analytics Specialist |  |  |  | 190000 | 190000 |
| Data Architect |  | 335000 | 1739000 | 11753643 | 13827643 |
| **Grand Total** | **4413304** | **1235000** | **33780456** | **53187239** | **92615999** |
|  |  |  |  |  |  |

* The highest total salary in the table is $92,615,999, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total.
* Data Analyst has the highest total salary across all levels.
* Data Analytics Manager and Data Architect roles also have high total salaries.
* Data Analytics Lead has a relatively high total salary, particularly at the Senior level.

2:Compairing different type of Data Science Employees salary in USD with their experience .

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sum of Salary in USD** | **Column Labels** |  |  |  |  |
| **Row Labels** | **Entry** | **Executive** | **Mid** | **Senior** | **Grand Total** |
| BI Analyst | 76000 |  | 126000 | 1750321 | 1952321 |
| BI Data Analyst | 232938 | 150000 | 558175 | 72338 | 1013451 |
| BI Data Engineer | 60000 |  |  |  | 60000 |
| BI Developer | 260000 |  | 350996 | 1612000 | 2222996 |
| Data Analyst | 3666682 | 455000 | 12399338 | 33739653 | 50260673 |
| Data Analytics Consultant | 50000 |  | 113000 |  | 163000 |
| Data Analytics Engineer | 20000 |  | 245000 | 129197 | 394197 |
| Data Analytics Lead |  |  | 17511 | 405000 | 422511 |
| Data Analytics Manager |  | 295000 | 915915 | 2031740 | 3242655 |
| Data Analytics Specialist |  |  |  | 190000 | 190000 |
| Data Architect |  | 335000 | 1770104 | 11790507 | 13895611 |
| **Grand Total** | **4365620** | **1235000** | **16496039** | **51720756** | **73817415** |

* The highest total salary in the table is $73,817,415, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total.
* Data Analyst has the highest total salary across all levels.
* Data Analytics Manager and Data Architect roles also have high total salaries.
* Data Analytics Lead has a relatively high total salary, particularly at the Senior level.

3:Compairing the salary of Data Science Employees from the year 2020 to 2023.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salary from 2020-2023** | **Column Labels** |  |  |  |  |
| **Row Labels** | **2020** | **2021** | **2022** | **2023** | **Grand Total** |
| BI Analyst |  |  | 402000 | 1891940 | 2293940 |
| BI Data Analyst | 98000 | 11305000 | 405000 | 197000 | 12005000 |
| BI Data Engineer |  |  |  | 60000 | 60000 |
| BI Developer |  |  | 390000 | 1806500 | 2196500 |
| Data Analyst | 351000 | 2797456 | 15639117 | 34461603 | 53249176 |
| Data Analytics Consultant |  |  | 163000 |  | 163000 |
| Data Analytics Engineer |  | 227000 | 155000 |  | 382000 |
| Data Analytics Lead |  |  | 405000 | 1440000 | 1845000 |
| Data Analytics Manager |  | 380000 | 937940 | 5085800 | 6403740 |
| Data Analytics Specialist |  |  |  | 190000 | 190000 |
| Data Architect |  | 500000 | 5100153 | 8227490 | 13827643 |
| **Grand Total** | **449000** | **15209456** | **23597210** | **53360333** | **92615999** |

* The roles include: BI Analyst, BI Data Analyst, BI Data Engineer, BI Developer, Data Analyst, Data Analytics Consultant, Data Analytics Engineer, Data Analytics Lead, Data Analytics Manager, Data Analytics Specialist, and Data Architect.
* The years are 2020, 2021, 2022, 2023.
* The highest total salary in the table is $92,615,999, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total over the years.
* The highest total salary in the table is $92,615,999, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total over the years.

4:Compairing the salary of different Data Science Employees with their Expertise level.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salary in currency and Expertise level** | **Column Labels** |  |  |  |  |
| **Row Labels** | **Director** | **Expert** | **Intermediate** | **Junior** | **Grand Total** |
| BI Analyst |  | 2091940 | 126000 | 76000 | 2293940 |
| BI Data Analyst | 150000 | 67000 | 11558000 | 230000 | 12005000 |
| BI Data Engineer |  |  |  | 60000 | 60000 |
| BI Developer |  | 1612000 | 324500 | 260000 | 2196500 |
| Data Analyst | 455000 | 34918916 | 14157956 | 3717304 | 53249176 |
| Data Analytics Consultant |  |  | 113000 | 50000 | 163000 |
| Data Analytics Engineer |  | 117000 | 245000 | 20000 | 382000 |
| Data Analytics Lead |  | 405000 | 1440000 |  | 1845000 |
| Data Analytics Manager | 295000 | 2031740 | 4077000 |  | 6403740 |
| Data Analytics Specialist |  | 190000 |  |  | 190000 |
| Data Architect | 335000 | 11753643 | 1739000 |  | 13827643 |
| **Grand Total** | **1235000** | **53187239** | **33780456** | **4413304** | **92615999** |
|  |  |  |  |  |  |

* The roles include: BI Analyst, BI Data Analyst, BI Data Engineer, BI Developer, Data Analyst, Data Analytics Consultant, Data Analytics Engineer, Data Analytics Lead, Data Analytics Manager, Data Analytics Specialist, and Data Architect.
* The expertise levels are categorized as Director, Expert, Intermediate, Junior.
* The highest total salary in the table is $92,615,999, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total.
* The highest total salary in the table is $92,615,999, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total.
* Data Analyst has the highest total salary across all levels.
* Data Analytics Manager has the highest Director and Intermediate level salaries.
* Data Analytics Lead and Data Analytics Specialist seem to have fewer entries in certain expertise levels.

5:Compairing the salary in USD of different Data Science Employees with their Expertise level.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salary in USD and Expertise level** | **Column Labels** |  |  |  |  |
| **Row Labels** | **Director** | **Expert** | **Intermediate** | **Junior** | **Grand Total** |
| BI Analyst |  | 1750321 | 126000 | 76000 | 1952321 |
| BI Data Analyst | 150000 | 72338 | 558175 | 232938 | 1013451 |
| BI Data Engineer |  |  |  | 60000 | 60000 |
| BI Developer |  | 1612000 | 350996 | 260000 | 2222996 |
| Data Analyst | 455000 | 33739653 | 12399338 | 3666682 | 50260673 |
| Data Analytics Consultant |  |  | 113000 | 50000 | 163000 |
| Data Analytics Engineer |  | 129197 | 245000 | 20000 | 394197 |
| Data Analytics Lead |  | 405000 | 17511 |  | 422511 |
| Data Analytics Manager | 295000 | 2031740 | 915915 |  | 3242655 |
| Data Analytics Specialist |  | 190000 |  |  | 190000 |
| Data Architect | 335000 | 11790507 | 1770104 |  | 13895611 |
| **Grand Total** | **1235000** | **51720756** | **16496039** | **4365620** | **73817415** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

* The roles include: BI Analyst, BI Data Analyst, BI Data Engineer, BI Developer, Data Analyst, Data Analytics Consultant, Data Analytics Engineer, Data Analytics Lead, Data Analytics Manager, Data Analytics Specialist, and Data Architect.
* The expertise levels are categorized as Director, Expert, Intermediate, Junior.
* The highest total salary in the table is $73,817,415, which is the Grand Total.
* The role with the highest total salary is Data Analyst, contributing significantly to the total.
* Director-level salaries are highest in roles like Data Analytics Manager and Data Architect.
* Expert-level salaries also show significant contributions, especially in roles like Data Analyst and Data Analytics Manager.
* Intermediate and Junior level salaries vary across roles.
* Data Analyst has the highest total salary across all levels.
* Data Analytics Manager has high salaries across different expertise levels.
* Data Analytics Lead has relatively lower salaries compared to some other roles.

6:Compairing the expertise level.

|  |  |
| --- | --- |
| **Row Labels** | **Count of Expertise Level** |
| Director | 146 |
| Expert | 2065 |
| Intermediate | 797 |
| Junior | 292 |
| **Grand Total** | **3300** |
|  |  |

* Expert-level roles have the highest count, with 2065 occurrences in the data.
* Intermediate-level roles have the second-highest count with 797 occurrences.
* Junior-level roles have the lowest count with 292 occurrences.
* Director-level roles have a relatively lower count compared to other expertise levels.

7:Compairing the experience level.

|  |  |
| --- | --- |
| **Row Labels** | **Count of Experience Level** |
| Entry | 292 |
| Executive | 146 |
| Mid | 797 |
| Senior | 2065 |
| **Grand Total** | **3300** |

* Senior-level roles have the highest count, with 2065 occurrences in the data.
* Mid-level roles have the second-highest count with 797 occurrences.
* Entry-level roles have the lowest count with 292 occurrences.
* Executive-level roles have a relatively lower count compared to other experience levels.

**Conclusion**

The roles in data science encompass a range of positions, including Data Analysts, Data Engineers, Data Architects, and various levels of Analytics roles.

Data Analysts and Data Analytics Managers have consistently high total salaries across different levels.

Senior-level positions tend to command higher salaries than other levels, suggesting that experience is rewarded.

Specialized roles like Data Analytics Lead and Data Analytics Specialist also show promising salaries, especially at the senior level.

Senior professionals dominate the data science landscape, comprising the highest number of roles, followed by the mid-level.