#### EXCEL DATA SET REPORT ON ANALAYSIS OF

# JOBS AND SALARIES IN DATA SCIENCE

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#### About

- Data science has emerged as a critical domain in the modern business landscape, harnessing vast volumes of data to derive actionable insights.
- This presentation aims to analyze global data science salary trends, exploring various factors influencing salary distributions.

#### Data Overview

The dataset comprises several key features:

- Work Year
- Job Title
- Job Category
- Salary Currency
- Salary
- Salary in USD
- Employee Residence
- Experience Level
- Employment Type
- Work Setting
- Company Location
- Company Size

4	A B	С	D	E	F	G	Н	l I	J	K	L
1			Salary Currency	Salary		Employee Residence		Employment Type		Company Location	Company Siz
2	2023 Data DevOps Engineer	Data Engineering	EUR	88000	\$95,012.00	Germany	Mid-level	Full-time	Hybrid	Germany	Large
3	2023 Data Architect	Data Architecture and Modelling	USD	186000	\$1,86,000.00	United States	Senior	Full-time	In-person	United States	Medium
4	2023 Data Architect	Data Architecture and Modelling	USD	81800	\$81,800.00	United States	Senior	Full-time	In-person	United States	Medium
5	2023 Data Scientist	Data Science and Research	USD	212000	\$2,12,000.00	United States	Senior	Full-time	In-person	United States	Medium
6	2023 Data Scientist	Data Science and Research	USD	93300	\$93,300.00	United States	Senior	Full-time	In-person	United States	Medium
7	2023 Data Scientist	Data Science and Research	USD	130000	\$1,30,000.00	United States	Senior	Full-time	Remote	United States	Medium
8	2023 Data Scientist	Data Science and Research	USD	100000	\$1,00,000.00	United States	Senior	Full-time	Remote	United States	Medium
9	2023 Machine Learning Researcher	Machine Learning and Al	USD	224400	\$2,24,400.00	United States	Mid-level	Full-time	In-person	United States	Medium
10	2023 Machine Learning Researcher	Machine Learning and Al	USD	138700	\$1,38,700.00	United States	Mid-level	Full-time	In-person	United States	Medium
1	2023 Data Engineer	Data Engineering	USD	210000	\$2,10,000.00	United States	Executive	Full-time	Remote	United States	Medium
12	2023 Data Engineer	Data Engineering	USD	168000	\$1,68,000.00	United States	Executive	Full-time	Remote	United States	Medium
3	2023 Machine Learning Engineer	Machine Learning and Al	USD	224400	\$2,24,400.00	United States	Senior	Full-time	In-person	United States	Medium
14	2023 Machine Learning Engineer	Machine Learning and Al	USD	138700	\$1,38,700.00	United States	Senior	Full-time	In-person	United States	Medium
5	2023 Data Scientist	Data Science and Research	GBP	35000	\$43,064.00	United Kingdom	Mid-level	Full-time	In-person	United Kingdom	Medium
6	2023 Data Scientist	Data Science and Research	GBP	30000	\$36,912.00	United Kingdom	Mid-level	Full-time	In-person	United Kingdom	Medium
7	2023 Data Analyst	Data Analysis	USD	95000	\$95,000.00	United States	Entry-level	Full-time	In-person	United States	Medium
8	2023 Data Analyst	Data Analysis	USD	75000	\$75,000.00	United States	Entry-level	Full-time	In-person	United States	Medium
9	2023 Data Scientist	Data Science and Research	USD	300000	\$3,00,000.00	United States	Senior	Full-time	In-person	United States	Medium
0	2023 Data Scientist	Data Science and Research	USD	234000	\$2,34,000.00	United States	Senior	Full-time	In-person	United States	Medium
1	2023 Analytics Engineer	Leadership and Management	USD	140000	\$1,40,000.00	United States	Mid-level	Full-time	In-person	United States	Medium
2	2023 Analytics Engineer	Leadership and Management	USD	120000	\$1,20,000.00	United States	Mid-level	Full-time	In-person	United States	Medium
3	2023 Machine Learning Engineer	Machine Learning and Al	USD	204500	\$2,04,500.00	United States	Mid-level	Full-time	In-person	United States	Medium
4	2023 Machine Learning Engineer	Machine Learning and Al	USD	142200	\$1,42,200.00	United States	Mid-level	Full-time	In-person	United States	Medium
5	2023 Data Analyst	Data Analysis	USD	155000	\$1,55,000.00	United States	Mid-level	Full-time	In-person	United States	Medium
6	2023 Data Analyst	Data Analysis	USD	110000	\$1,10,000.00	United States	Mid-level	Full-time	In-person	United States	Medium
7	2023 Machine Learning Engineer	Machine Learning and Al	USD	266500	\$2,66,500.00	United States	Senior	Full-time	In-person	United States	Medium
8	2023 Machine Learning Engineer	Machine Learning and Al	USD	152000	\$1,52,000.00	United States	Senior	Full-time	In-person	United States	Medium
9	2023 Applied Scientist	Data Science and Research	USD	222200	\$2,22,200.00	United States	Mid-level	Full-time	In-person	United States	Large
80	2023 Applied Scientist	Data Science and Research	USD	136000	\$1,36,000.00	United States	Mid-level	Full-time	In-person	United States	Large
1	2023 Machine Learning Engineer	Machine Learning and Al	USD	273400	\$2,73,400.00	United States	Senior	Full-time	In-person	United States	Medium
2	2023 Machine Learning Engineer	Machine Learning and Al	USD	182200	\$1,82,200.00	United States	Senior	Full-time	In-person	United States	Medium
3	2023 BI Developer	BI and Visualization	USD	167500	\$1,67,500.00	United States	Senior	Full-time	In-person	United States	Medium
4	2023 BI Developer	BI and Visualization	USD	106500	\$1,06,500.00	United States	Senior	Full-time	In-person	United States	Medium
35	2023 Data Engineer	Data Engineering	USD	185900	\$1,85,900.00	United States	Senior	Full-time	In-person	United States	Medium

### Problem Solving

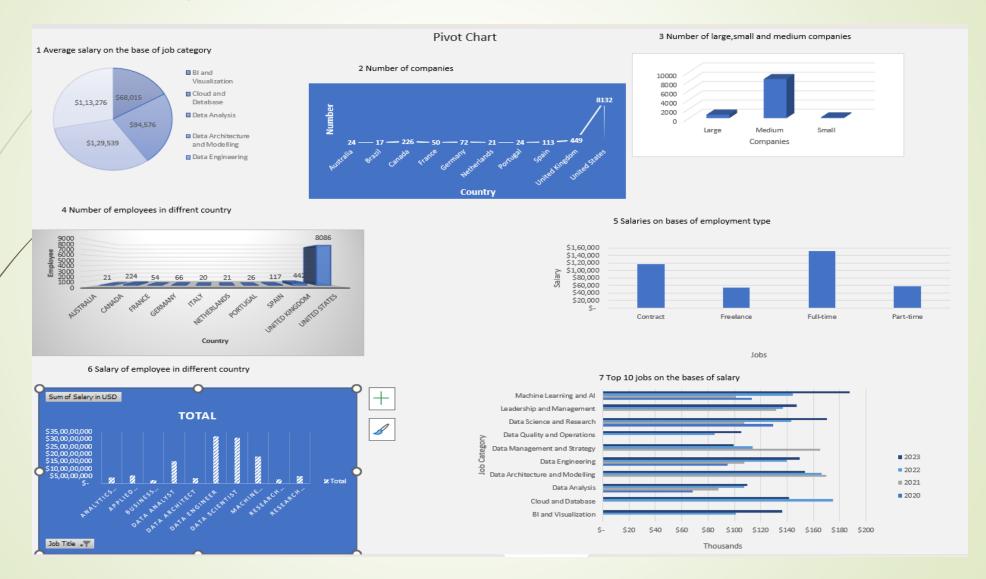
Using the dataset we find a answer to the following questions.

- 1) Average salary on the bases of there job.
- 2) Top 10 country having highest number of companies.
- 3) Number of large, medium and small companies.
- 4) Top 10 country where highest no. of employees works.
- 5) Salaries in data science job on the bases of employment type.
- 6) Analysis of highest paid jobs.
- 7) Highest salary by job title and year.

# Pivot Table

1	A	В	С	D	E	F	G	Н	1	J	K	L
1				Pivot Table								
2	Table 1		Table3		Table4			Table5				
3	Job Title	Sum of Salary in USD	Employee Residence 🗷	Sum of Salary in USD	Company Loca 🔻	Count of Company Loca	ition	Average of Salary in USE	Work Year ▼			
4	Al Developer	\$ 3,61,952	Australia	\$ 2,45,299	Australia	5		Job Category 🔻	2020	2021	2022	2023
5	Analytics Engineering N	\$ 3,99,880	Austria	\$ 2,13,436	Austria	4		BI and Visualization			\$ 76,000	
6	Applied Machine Learn	\$ 6,39,187	Belgium	\$ 1,34,752	Canada	16		Data Analysis	\$ 45,756	\$ 55,563	\$ 64,207	\$ 67,974
7	Data Analyst	\$ 9,69,885	Bosnia and Herzegovina	\$ 1,20,000	France	22		Data Architecture and Mo	odelling	\$1,74,852		
8	Data Engineer	\$ 12,94,956	Canada	\$ 16,89,745	Germany	21		Data Engineering	\$ 88,414	\$ 75,120	\$ 93,170	\$ 73,968
9	Data Science Tech Lea	\$ 3,75,000	China	\$ 1,25,404	Italy	4		Data Quality and Operation	ons			\$ 23,753
10	Data Scientist	\$ 31,96,137	France	\$ 14,43,672	Netherlands	6		Data Science and Researc	\$ 73,617	\$ 78,711	\$ 87,260	\$ 99,303
11	Director of Data Science	\$ 5,05,797	Germany	\$ 16,16,366	Portugal	5		Leadership and Managem	ent	\$2,30,000	\$1,27,988	\$3,99,880
12	Machine Learning Engi	\$ 18,97,379	Italy	\$ 1,26,589	Spain	4		Machine Learning and Al	\$ 1,40,750	\$ 97,569	\$1,15,707	\$ 92,772
13	Research Scientist	\$ 13,49,090	Netherlands	\$ 5,39,450	United Kingdom	22						
14	Grand Total	\$ 1,09,89,263	New Zealand	\$ 1,25,000	United States	44		Table 6				
15			Portugal	\$ 1,91,732	Grand Total	153			Count of Employee Residence			
16	Table 2		Puerto Rico	\$ 1,60,000	Table7			Australia	4			
17	Employment Type 🔻	Average of Salary in USD	Romania	\$ 1,30,817	Company Size 🔻	Count of Company Size		Canada	15			
18	Contract	\$ 63,977		\$ 2,30,000	Large	112		France	23			
	Freelance		Singapore	\$ 2,21,521		47		Germany	22			
20	Full-time	\$ 90,897	Spain	\$ 2,37,538		32		Italy	4			
	Part-time	. ,	Switzerland		Grand Total	191		Netherlands	6			
	Grand Total	\$ 88,912	United Kingdom	\$ 22,10,983				Portugal	5			
23			United States	\$ 55,42,700				Spain	5			
24								United Kingdom	21			
25								United States	40			
26								Grand Total	145			
27												
28												

### Pivot Chart



#### Dashboard



## Slicer on Work Setting



# Slicer on Employment Type



#### Slicer on Work Year



# Future Scope

Anticipated trends in data science salaries, considering factors such as technological advancements, evolving job roles, and global economic shifts.

#### Conclusion

- Data science salaries exhibit diverse patterns influenced by various factors such as geography, job specialization, experience level, and organizational characteristics.
- Continuous monitoring and analysis of these trends are crucial for both employers and employees to make informed decisions in the rapidly evolving data landscape.

# Thank You