



# **JOB MARKET ANALYSIS**

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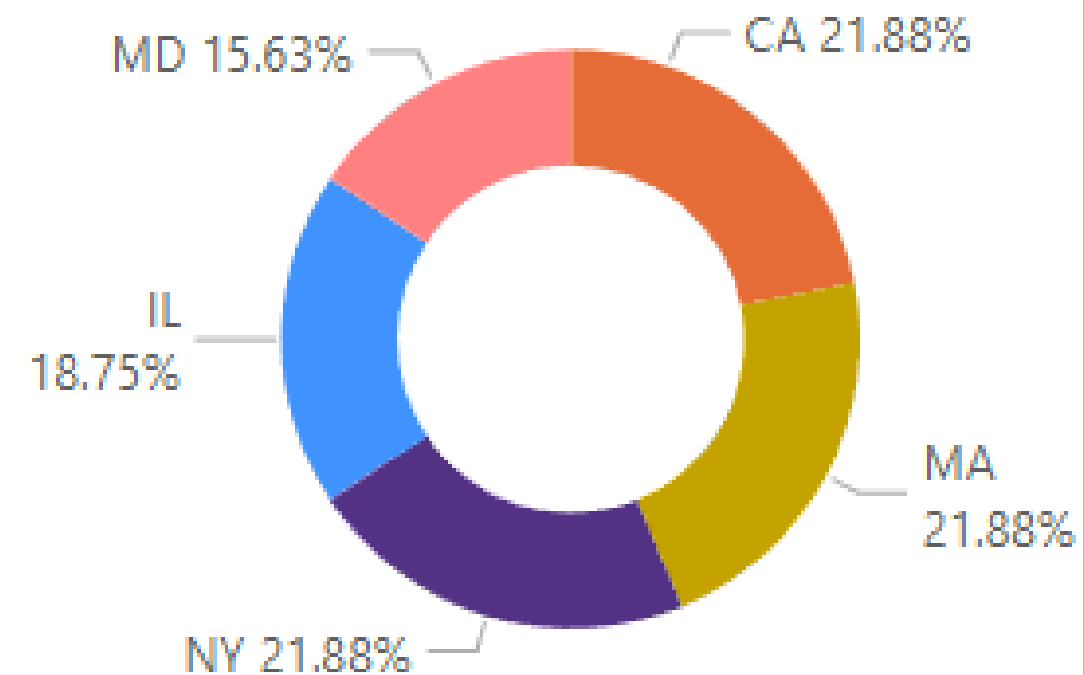
# INSIGHTS

- **STATES WITH MOST NUMBER OF JOBS.**

select Job\_Location, count(\*) as job\_count from Market group by Job\_Location order by job\_count desc limit 5;

Job_Location	job_count
CA	152
MA	103
NY	72
VA	41
IL	40

NO of States By Job



California(CA) has the most number of jobs where as South Carolina(SC) has least number of jobs.

# INSIGHTS

- **AVERAGE MINIMAL AND MAXIMAL SALARIES IN DIFFERENT STATES.**

select Job\_Location, avg(Lower\_Salary) as Avg\_Minimal\_salary, avg(Upper\_Salary) as Avg\_Maximal\_Salary from Market group by Job\_Location order by Avg\_Maximal\_salary Desc limit 10;

	Job_Location	Avg_Minimal_salary	Avg_Maximal_Salary
▶	CA	92.4276	154.5987
	IL	88.3500	144.9750
	MA	78.6893	136.3010
	NJ	76.8235	132.2941
	DC	88.6364	131.7273
	NC	69.0476	127.8571
	KY	66.3333	127.6667
	MD	68.3143	126.4000
	RI	74.0000	126.0000
	NY	72.1250	125.1806

## > **California**

- Avg Minimal Salary is **92.42k**
- Avg Maximal Salary is **154.59k.**

## > **Nebraska**

- Avg Minimal Salary is **32.25k**
- Avg Maximal Salary is **69.25k.**

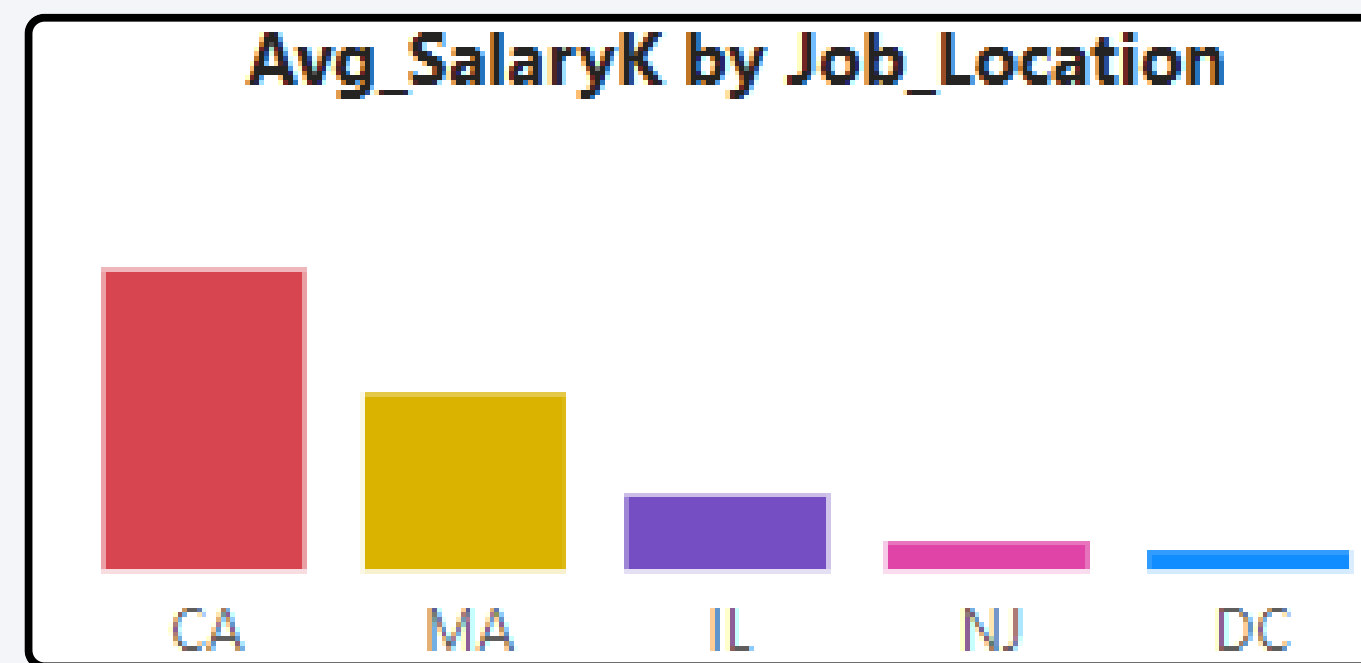


# INSIGHTS

- **AVERAGE SALARY IN DIFFERENT STATES.**

select Job\_Location ,avg(Avg\_SalaryK) as avg\_salary from Market group by Job\_Location order by avg\_salary asc;

	Job_Location	avg_salary
▶	CA	123.51316
	IL	116.66250
	DC	110.18182
	MA	107.49515
	NJ	104.55882



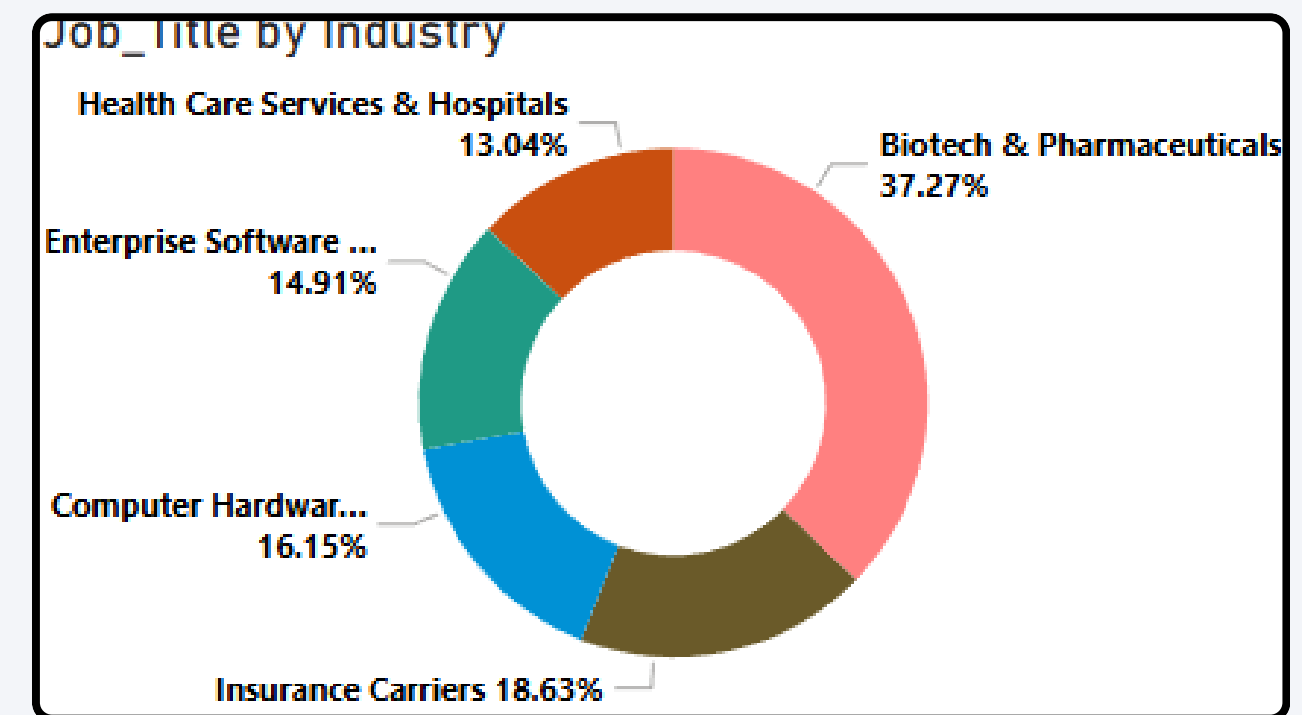
- **California** Has the **highest** Avg Salary = **123.51k**,
- **Nebraska** Has the **lowest** Avg Salary = **54.25k**

# INSIGHTS

- **TOP 5 INDUSTRIES WITH MAXIMUM NUMBER OF DATA SCIENCE RELATED JOB POSTINGS.**

```
select Industry, count(*) as Job_Title from Market where Job_Title LIKE '%Data Scientist%' or Job_Title = "Data Analyst" group by Industry order by Job_Title desc limit 5;
```

Industry	Job_Title
Biotech & Pharmaceuticals	34
Enterprise Software & Network Solutions	26
IT Services	25
Computer Hardware & Software	23
Insurance Carriers	21



Biotech & Pharmaceuticals ,Enterprise Software & Network Solutions, IT Services, Computer Hardware & Software, Insurance Carriers are the industries with the maximum number of data science related jobs.

# INSIGHTS

- **COMPANIES WITH MAXIMUM NUMBER OF JOB OPENINGS.**

select Company\_Name , count(Size) As job\_openings from Market group by Company\_Name , Size order by job\_openings desc limit 5;

name	job
Takeda Pharmaceuticals 3.7	14
Reynolds American 3.1	14
MassMutual 3.6	14
Software Engineering Institut...	11
Liberty Mutual Insurance 3.3	10

Takeda Pharmaceuticals , Reynolds American , MassMutual , Software Engineering Institute , Liberty Mutual Insurance are having maximum number of jobs opening.

# INSIGHTS

- **JOB TITLES WITH MOST NUMBER OF JOBS.**

```
SELECT Job_Title, COUNT(Job_Title) AS Job_Count FROM Market GROUP BY  
Job_Title ORDER BY Job_Count DESC LIMIT 10;
```

Job_Title	Job_Count
Data Scientist	131
Data Engineer	53
Senior Data Scientist	34
Data Analyst	15
Senior Data Engineer	14

Highest number of jobs are for Data Scientist (131) where as least number of jobs are for Data Architect / Data Modeler (1).

# INSIGHTS

- **SALARY OF JOB TITLES WITH MOST NUMBER OF JOBS.**

```
SELECT Job_Title, COUNT(*) AS Job_Count, AVG(Avg_Salary_K) AS Avg_Salary_K  
FROM Market GROUP BY Job_Title ORDER BY Job_Count DESC LIMIT 10;
```

Job_Title	Job_Count	Avg_Salary_K
Data Scientist	131	106.17939
Data Engineer	53	91.66038
Senior Data Scientist	34	134.86765
Data Analyst	15	66.30000
Senior Data Engineer	14	121.92857

data scientist has the highest job count with Avg salary of 106.17k where as Research Scientist, Machine Learning Department has the least count of job with avg salary of 107.5k.





*Thank  
You*

