

ANÁLISIS DE LOS SALARIOS DE DATA SCIENCE

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Data-analysis-21-12

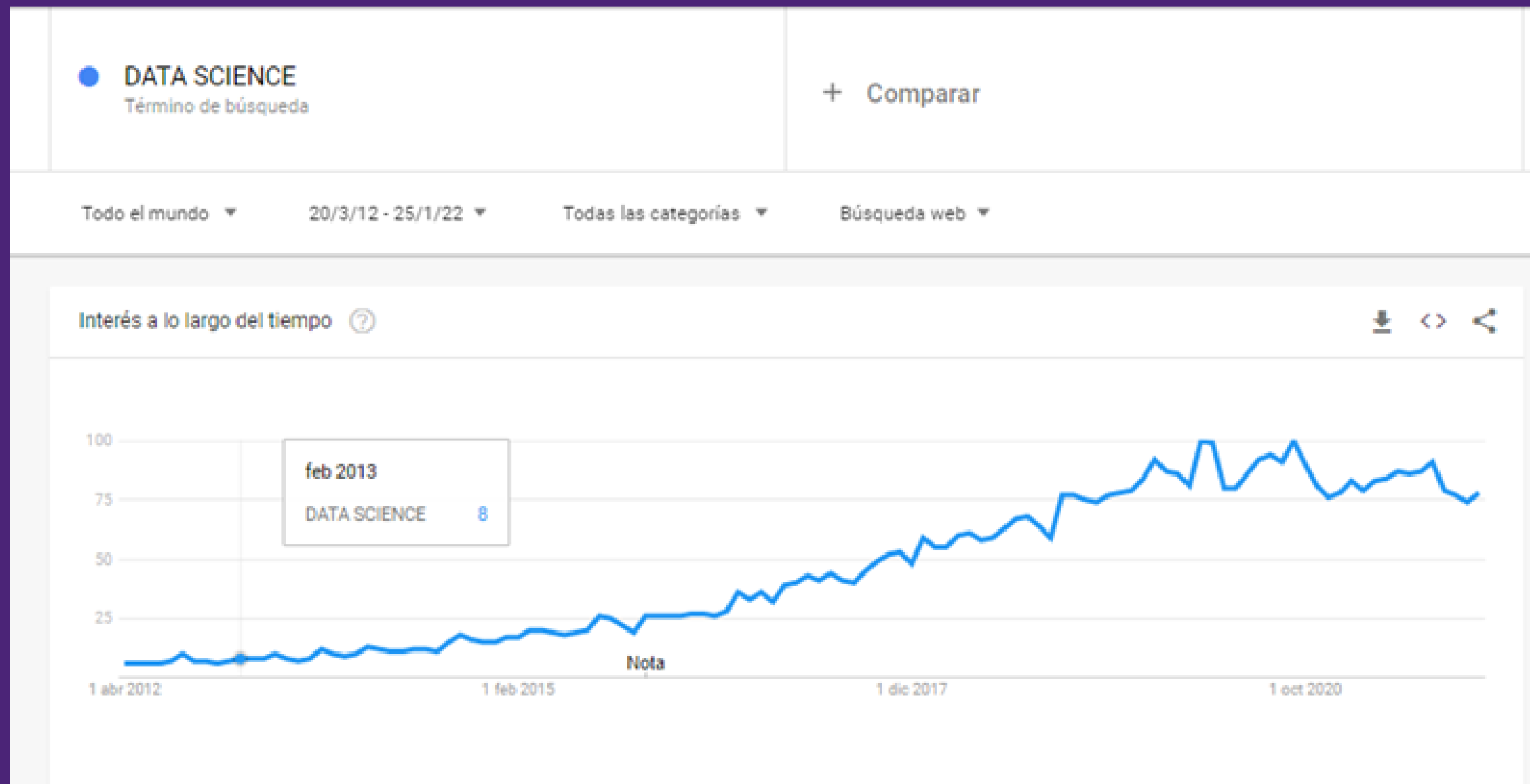
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BEDU



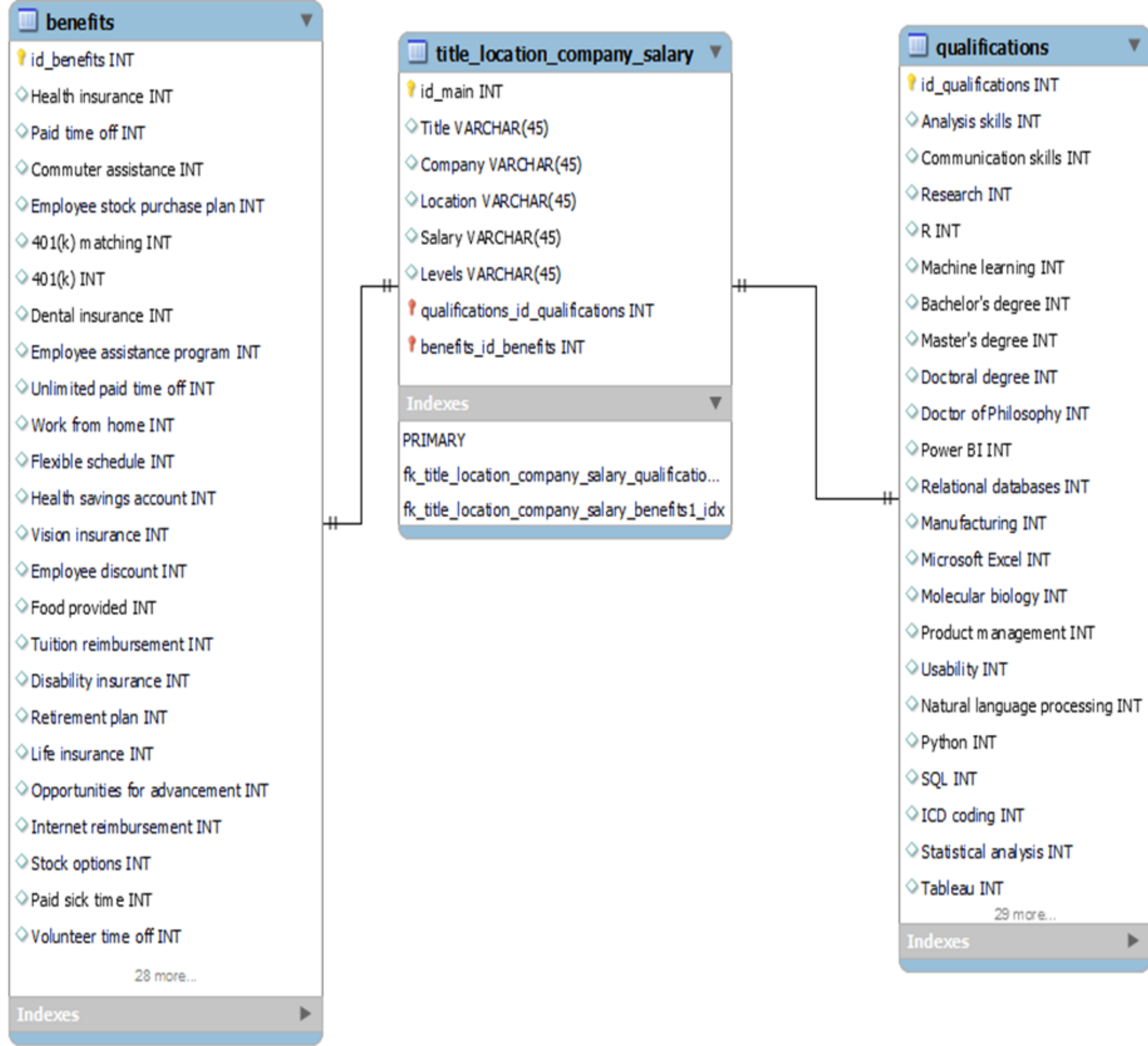
PROBLEMA

Durante los últimos años ha habido un auge en los temas relacionados a la ciencia de datos, pero
¿vale la pena laborar en esta área?



DIAGRAMA

Representación de la
conexión de los datos



Pregunta 1




¿Cuál es el promedio de salarios en California sin contar los que no tienen datos?

```
select Title, Company, avg(Salary) as  
Avarage, Levels  
from title_location_company_salary  
where Salary > 0 ;
```



Solución 1

```
48
49 • select avg(Salary) as Avarage
50   from title_location_company_salary
51  where Salary > 0 ;
52
53
54
55
56
57
```

Result Grid |   Filter Rows: | Export:  | Wrap

Avarage
151220.0721

\$151,000



Pregunta 2

¿Cuáles son los puestos que han sido considerados para esta investigación?

```
select Title from title_location_company_salary  
Group by Title;
```



Solución 2

```
153 • select Title from title_location_company_salary
154 Group by Title;
155
156
157
158
159
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Title
Data Scientist
Data Analyst
Machine Learning Scientist
Director of Data Science
Machine Learning Engineer
Data Engineer
Software Engineer
Data Science Manager
Data Architect

title_location_company_salary 6 x

- Data Scientist
- Data Analyst
- Machine Learning Scientist
- Director of Data Science
- Machine Learning Engineer
- Data Engineer
- Software Engineer
- Data Science Manager
- Data Architect
- Applied Scientist
- Statistician
- Vice President of Data Science
- Head of Data Science



Pregunta 3

¿Cuáles es el salario más alto y más bajo por posición?

```
select Title, max(Salary) as "High",  
min(Salary) "Low"  
from title_location_company_salary where  
Salary >0  
Group by Title  
Order by High desc;
```



Solución 3

```
53 • select Title from title_location_company_salary
54 Group by Title;
55 • select Title, max(Salary) as "High", min(Salary) "Low"
56 from title_location_company_salary where Salary >0
57 Group by Title
58 Order by High desc;
59
60
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Title	High	Low
Director of Data Science	434000	130000
Data Engineer	350000	110000
Data Scientist	324000	65000
Software Engineer	311000	82000
Machine Learning Engineer	250000	78000
Data Science Manager	240000	90000
Machine Learning Scientist	230000	83000
Head of Data Science	220000	110000
Data Architect	210000	170000

Titulo	Alto	Bajo
Director of Data Science	434000	130000
Data Engineer	350000	110000
Data Scientist	324000	65000
Software Engineer	311000	82000
Machine Learning Engineer	250000	78000
Data Science Manager	240000	90000
Machine Learning Scientist	230000	83000
Head of Data Science	220000	110000
Data Architect	210000	170000
Data Analyst	200000	10400
Applied Scientist	180000	110000
Vice President of Data Science	180000	130000
Statistician	110000	84000



Pregunta 4

¿En que empresas tienen más posiciones en Ciencia de datos?

```
select Company ,count(*) as Total  
from  
title_location_company_salary  
group by Company  
order by Total desc;
```



Solución 4

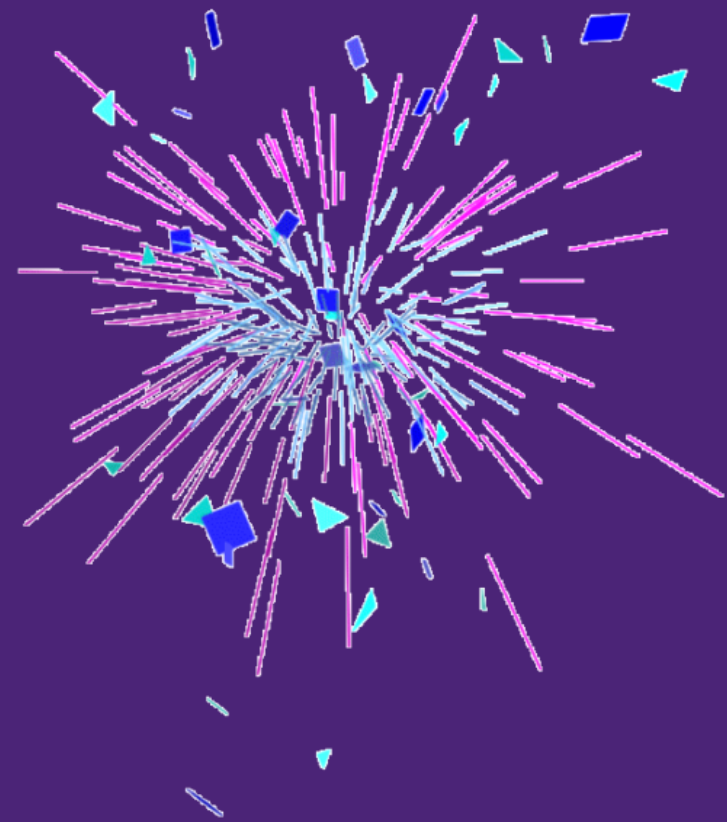
```
2
3 • select Company ,count(*) as Total from title_location_company_sal
4 group by Company
5 order by Total desc;
6
```

Company	Total
TuSimple, Inc.	103
TikTok	64
Intuitive	59
Uber	27
Amazon.com Services LLC	23
Foursquare	23
NVIDIA	17
Shipt	14
Twitch	12

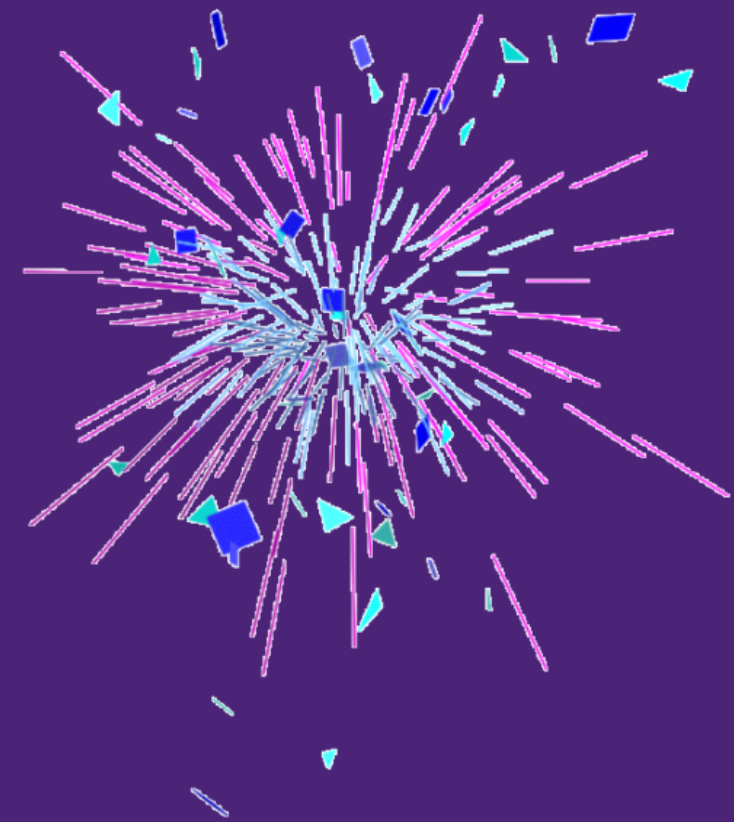
Empresa	# Puestos
Uber	27
Amazon.com Services LLC	23
Foursquare	23
NVIDIA	17
Shipt	14
Twitch	12
Aurora Innovation	12
Intuit	12
CyberCoders	11
Indeed	10
Google	10
Netflix	9
Facebook App	9
Experian	9
Harnham	8
PayPal	8
ByteDance	8
Microsoft	8



CONCLUSIÓN



SÍ



Referencias

Data Science Job Postings and Salaries. (2021, 22 diciembre). Kaggle.
<https://www.kaggle.com/michaelbryantds/california-salaries-in-data-science>