

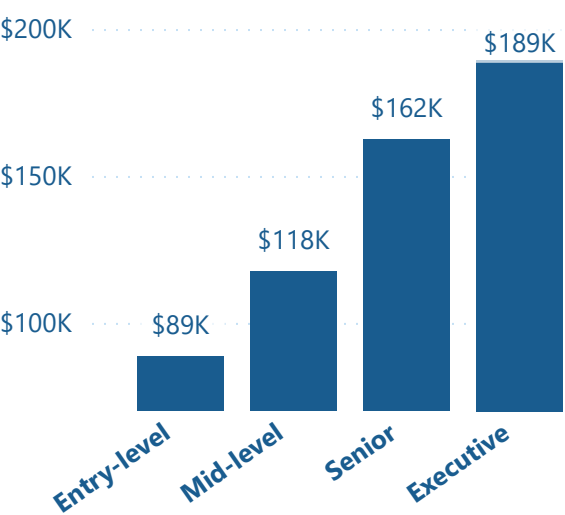


Job Salary Report (Data Analytics)- Overview

Average Salary
\$134.25K

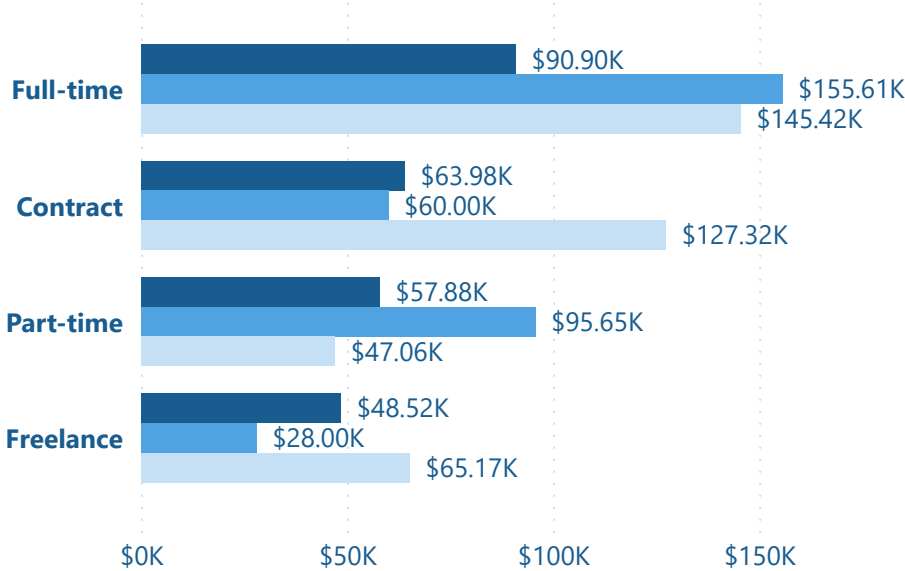
Median Value
\$123.04K

Average Salary by Experience-level



Average Salary by Employment_Type

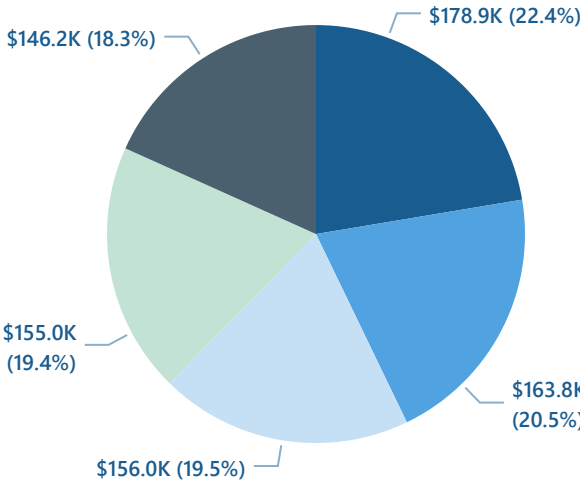
work_setting ● Hybrid ● In-person ● Remote



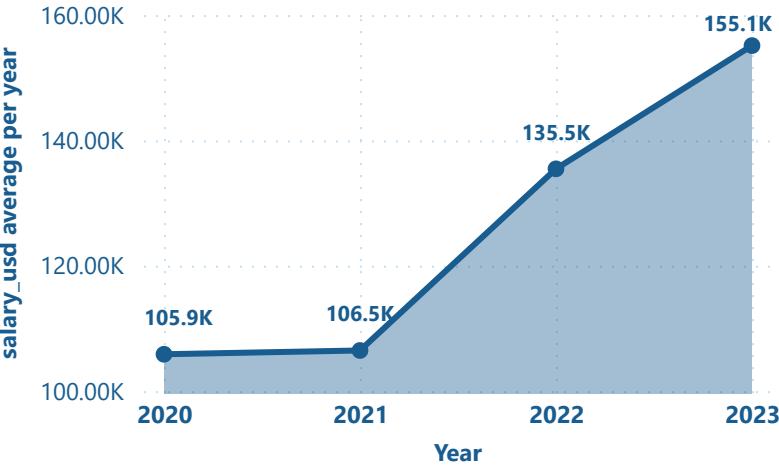
Average Salary by Category (Top 5)

job_category

- Machine Learnin...
- Data Science an...
- Data Architectur...
- Cloud and Data...
- Data Engineering

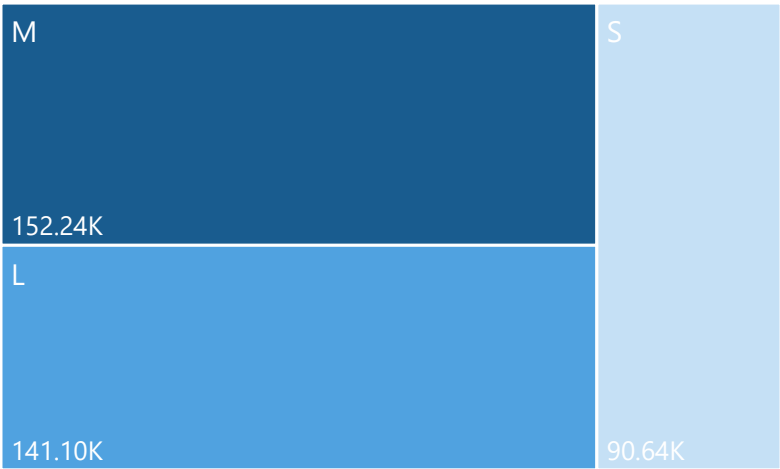


Average Salary by Year

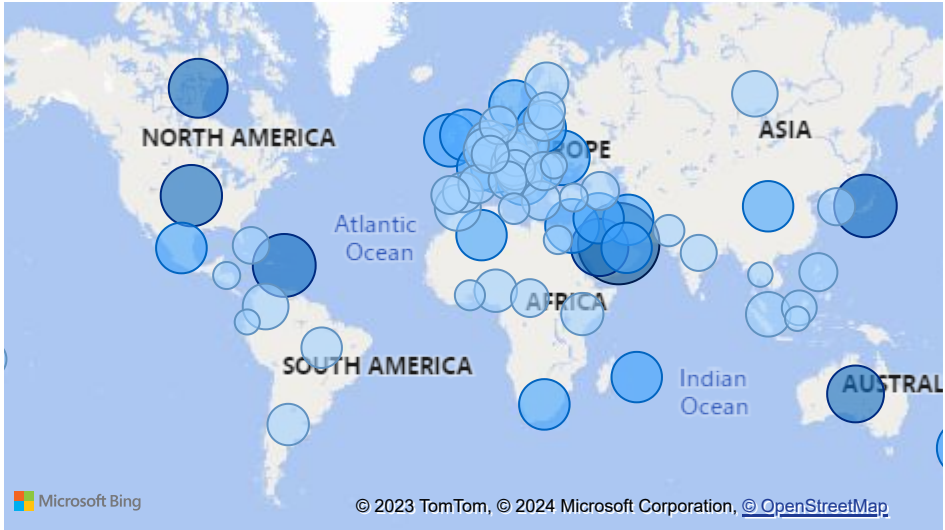


Average Salary by Company-Size

company_si... ● M ● L ● S



Average Salasry by Company-Location



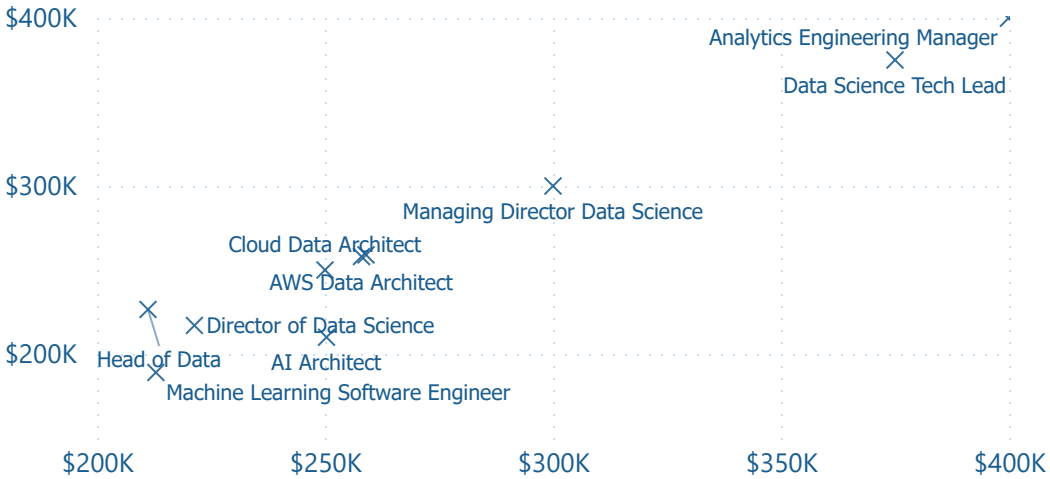


Details of Job Title

Top 10 Job Title with Highest Salary

job_title	salary_usd average per job_title	salary_usd median per job_title
Analytics Engineering Manager	\$399,880.00	\$399,880.00
Data Science Tech Lead	\$375,000.00	\$375,000.00
Managing Director Data Science	\$300,000.00	\$300,000.00
Head of Machine Learning	\$259,000.00	\$259,000.00
AWS Data	\$258,000.00	\$258,000.00

Top 10 Job Title Salary (Mean VS Median)

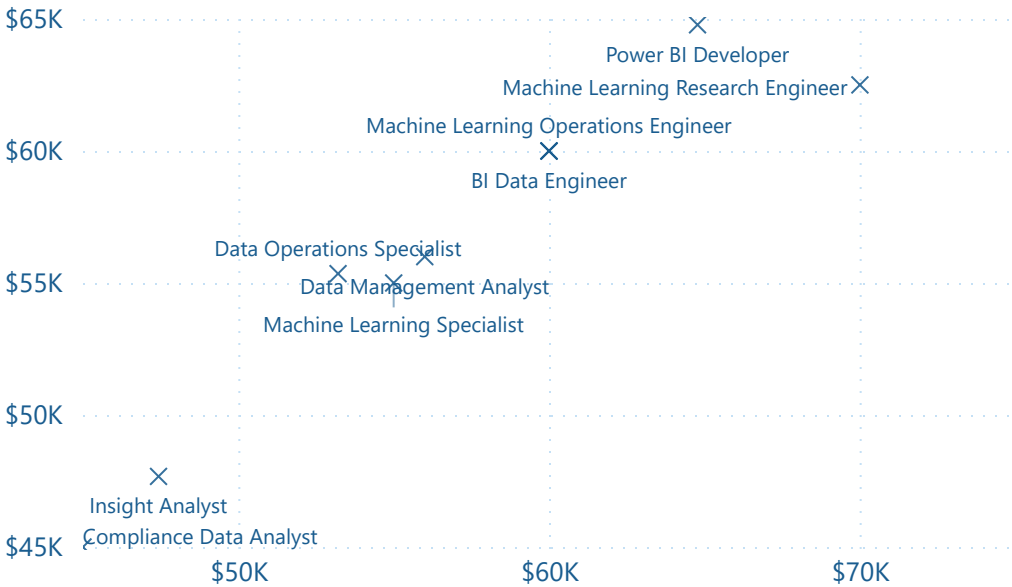


The table on the left highlights the top 10 job titles with the highest average salaries, primarily occupied by executive-level positions. Topping the list is the Analytics Engineering Manager, commanding an impressive approximate salary of \$400K. Both the Data Science Lead and Managing Director Data Science also boast substantial earnings, with salaries of \$375K and \$300K, respectively. Meanwhile, the scatter plot illustrates a different scenario for AI Architects, who

Top 10 job Title with Lowest Salary

job_title	salary_usd average per job_title	salary_usd median per job_title
Power BI Developer	\$64,781.00	\$64,781.00
Machine Learning Research Engineer	\$62,504.00	\$70,008.00
BI Data Engineer	\$60,000.00	\$60,000.00
Machine Learning Operations Engineer	\$60,000.00	\$60,000.00

Bottom 10 job Title (Mean VS Median)



The data analysis reveals that Compliance Data Analysts and Insight Analysts are among the lowest-paid positions, with salaries below \$50K. Additionally, job titles associated with Machine Learning Specialist and Data Operations roles also fall into a lower salary range, hovering around \$55K. According to the scatter plot, employees in Machine Learning Operations roles tend to receive compensation exceeding typical expectations. In contrast, individuals in other job titles generally earn salaries aligning closely with anticipated levels.



Deatils of Experience-level

work_year Entry-level Executive Mid-level Senior

2020	\$71,248.25	\$179,958.25	\$95,578.72	\$144,489.89
2021	\$69,370.13	\$186,128.00	\$92,640.92	\$132,104.36
2022	\$81,981.96	\$191,059.08	\$104,652.44	\$148,284.07
2023	\$94,233.02	\$189,496.05	\$122,527.05	\$165,699.65

Summary

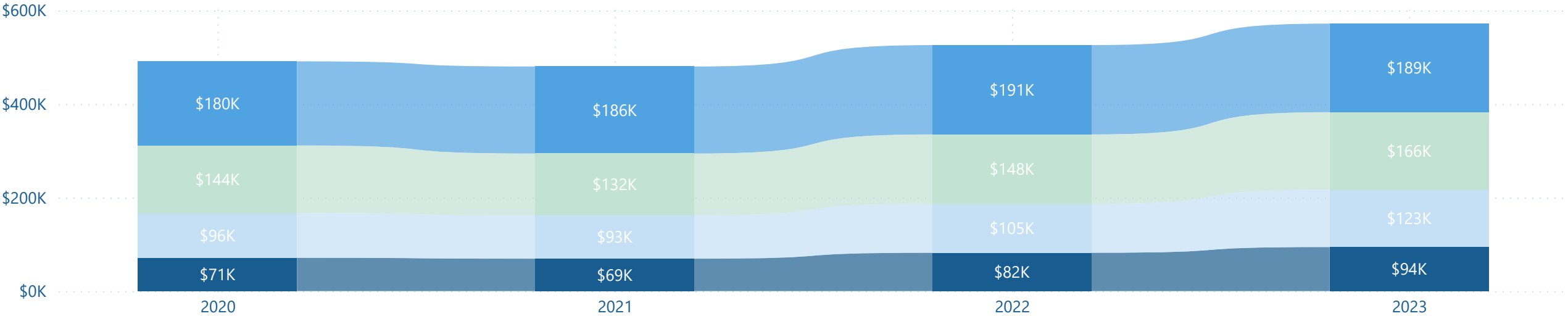
According to the graphics and tables, over the past four years, there has been an increasing trend in the average salary in terms of experience level. The most significant increase is observed in the entry-level category, with a rise of 18.18% between 2021 and 2022, and 14.94% between 2022 and 2023. In contrast, the increase in executive-level salaries is relatively modest, showing increments of 3.43% and 2.64%, followed by a slight decrease of 0.82%. During the transition from 2020 to 2021, the average salaries for entry-level, mid-level, and senior positions experienced a downturn. However, in the subsequent three years, the average salaries across these experience levels surged dramatically. Conversely, the salary trend for executive positions initially showed an increase, but then followed a

Yearly Changes by Experience-level

work_year	Salary_Change_EntryLevel	Salary_Changes_EntryLevel(%)	Salary_Change_MidLevel	Salary_Changes_MidLevel(%)	Salary_Change_Senior	Salary_Changes_Senior(%)	Salary_Change_Executive	Salary_Changes_Executive(%)
2021	(\$1,878.13)	-2.64%	(\$2,937.80)	-3.07%	(\$12,385.53)	-8.57%	\$6,169.75	3.43%
2022	\$12,611.83	18.18%	\$12,011.52	12.97%	\$16,179.71	12.25%	\$4,931.08	2.65%
2023	\$12,251.07	14.94%	\$17,874.61	17.08%	\$17,415.58	11.74%	(\$1,563.03)	-0.82%

Average Salary by Experience-level

experience_level ● Entry-level ● Executive ● Mid-level ● Senior





Details of Employment-Type

employment_type	2020	2021	2022	2023
Full-time	\$111,000.17	\$106,349.20	\$135,952.03	\$155,289.18
Contract	\$68,251.00	\$263,666.67	\$69,545.25	\$105,682.67
Part-time	\$18,817.50	\$43,355.75	\$74,578.83	\$69,820.00
Freelance	\$60,000.00	\$41,851.67	\$83,333.33	\$39,250.00

From the perspective of employment type, a distinct pattern emerges over the past years: full-time positions consistently offer the highest average salaries, whereas part-time roles tend to have comparatively lower average pay compared to other job types.

In terms of yearly salary changes, there is considerable variation among different types of employment. Notably, the average salary for contract positions saw a dramatic surge from \$68,251.00 in 2020 to \$263,666.67 in 2021, an increase of approximately 286.32%. Similarly, the average salary for part-time jobs also experienced a significant rise of around 130.40%.

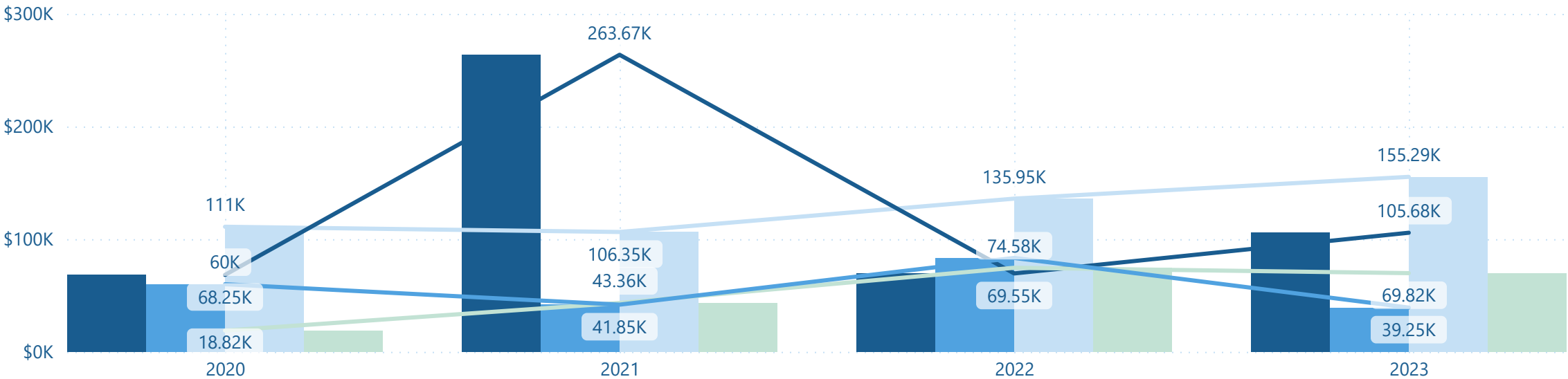
Freelancers faced more erratic salary trends, with notable decreases in 2021 (-30.25%) and 2023 (-52.90%) compared to 2020 and 2022.

Average Salary Changes by Employment-type

work_year	Salary_Change_FullTime	Salary_Change_FullTime(%)	Salary_Change_Contract	Salary_Change_Contract(%)	Salary_Change_PartTime	Salary_Change_PartTime(%)	Salary_Change_Freelance	Salary_Change_Freelance(%)
2021	(\$4,650.97)	-4.19%	\$195,415.67	286.32%	\$24,538.25	130.40%	(\$18,148.33)	-30.25%
2022	\$29,602.83	27.84%	(\$194,121.42)	-73.62%	\$31,223.08	72.02%	\$41,481.67	99.12%
2023	\$19,337.14	14.22%	\$36,137.42	51.96%	(\$4,758.83)	-6.38%	(\$44,083.33)	-52.90%

Average Salary by Employment-type

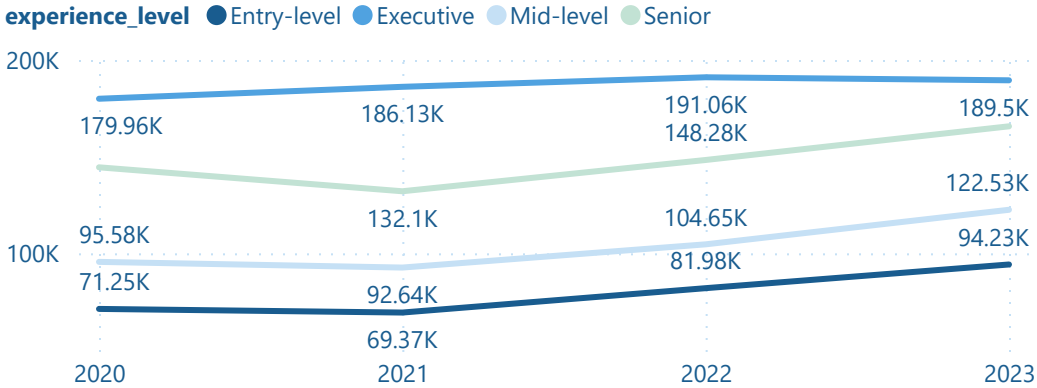
employment_type ● Contract ● Freelance ● Full-time ● Part-time ● Avg_Salary_FullTime ● Avg_Salary_Contract ● Avg_Salary_PartTime ● Avg_Salary_Freelance



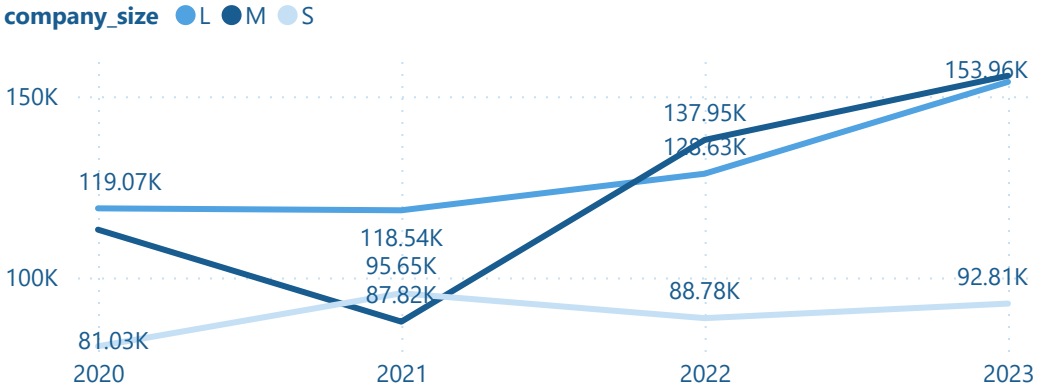


Details of Yearly Trend for Various Aspects

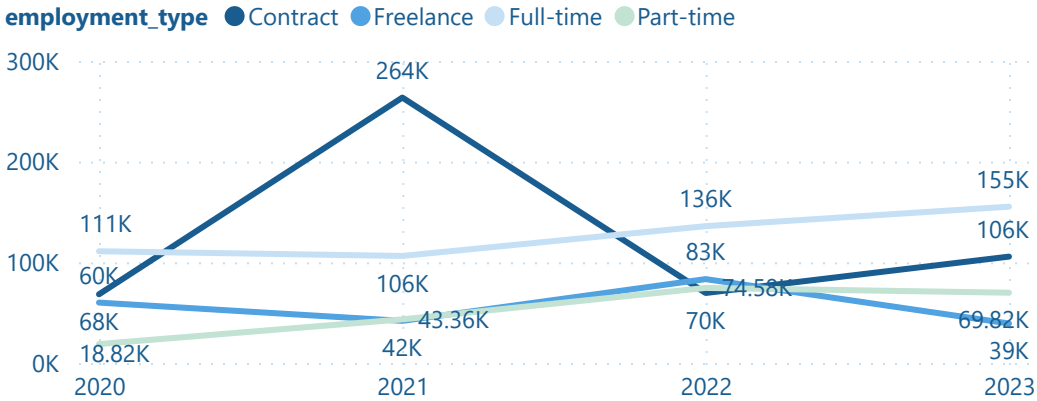
Average Salary by Experience-level



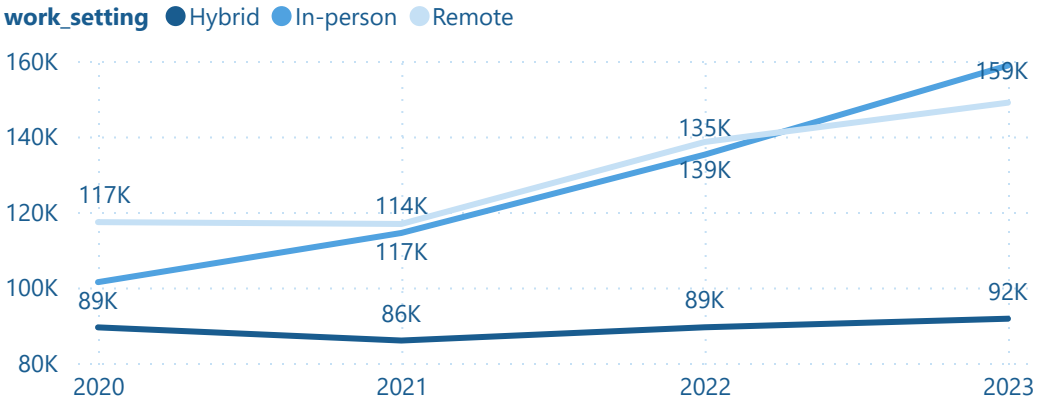
Average Salary by Company-size



Average Salary by Employment-type



Average Salary by Working-setting



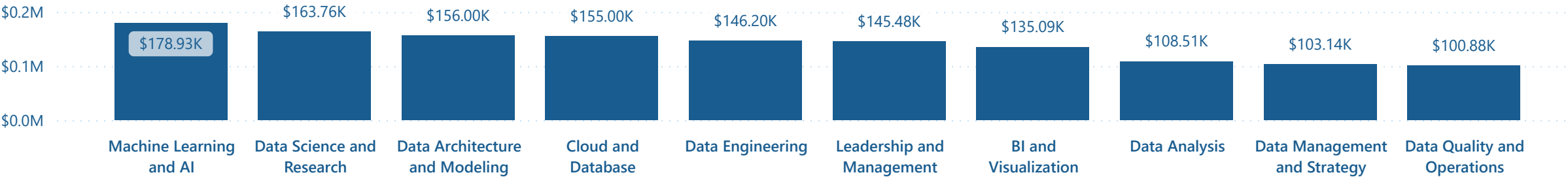
Summary

In analyzing salary trends across various dimensions, we see distinct patterns. Experience level shows a consistent salary increase, emphasizing the market's growing valuation of expertise. Notably, 2021 was a remarkable year for contract jobs, with a significant salary spike that subsequently normalized. Large companies maintained a steady salary growth, whereas small companies experienced a more dynamic increase. Medium-sized companies saw a unique dip in 2021. In terms of work settings, while hybrid roles maintained steady pay, both in-person and remote roles saw significant salary increases from 2021, reflecting the changing dynamics and preferences in the modern workplace.



Details of Job Category

Average Salary by Category



Average salary by Category

work_year	BI and Visualization	Cloud and Database	Data Analysis	Data Architecture and Modeling	Data Engineering	Data Management and Strategy	Data Quality and Operations	Data Science and Research	Leadership and Management	Machine Learning and AI
2020			\$68,014.67		\$94,575.82			\$129,538.83		\$113,276.40
2021			\$87,818.50	\$169,940.60	\$107,192.29	\$165,000.00		\$107,517.82	\$131,892.89	\$101,396.89
2022	\$100,875.00	\$175,000.00	\$107,384.22	\$166,091.54	\$139,629.91	\$114,024.42	\$84,770.83	\$143,343.79	\$136,901.44	\$144,289.06
2023	\$135,989.60	\$141,666.67	\$109,848.58	\$153,436.04	\$149,676.24	\$99,130.06	\$105,374.91	\$170,078.14	\$147,428.23	\$187,266.86

Yearly Changes by Category

work_year	Salary_Change_BI&Visual	Salary_Change_Cloud&Database	Salary_Change_DataAnalysis	Salary_Change_DataArchi&Model	Salary_Change_DataEngineering	Salary_Change_DataM&S	Salary_Change_DataQ&O	Salary_Change_DataS&R	Salary_Change_L&M	Salary_Change_ML
2021			\$19,803.83		\$12,616.47			(\$22,021.01)		(\$11,879.51)
2022			\$19,565.72	(\$3,849.06)	\$32,437.62	(\$50,975.58)		\$35,825.97	\$5,008.55	\$42,892.17
2023	\$35,114.60	(\$33,333.33)	\$2,464.36	(\$12,655.50)	\$10,046.33	(\$14,894.35)	\$20,604.07	\$26,734.34	\$10,526.79	\$42,977.79

Summary

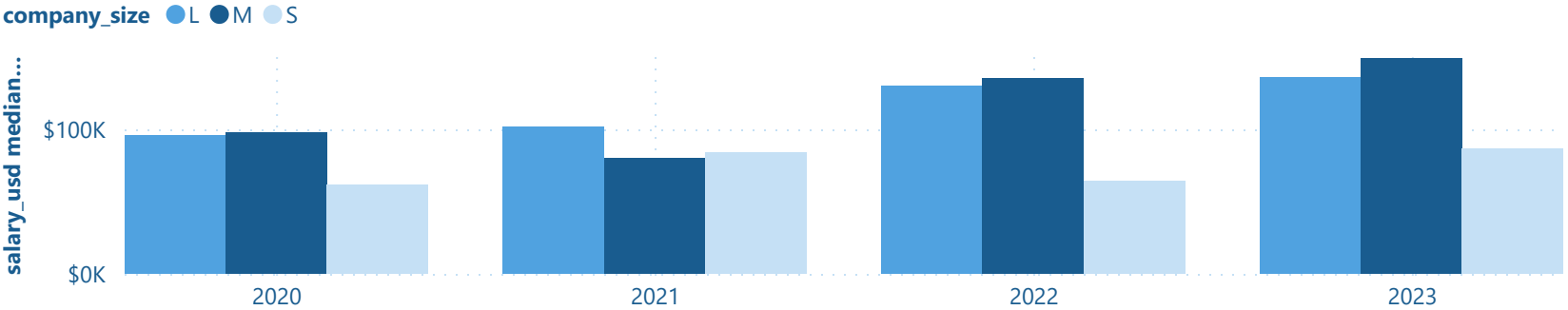
The bar chart offers a clear ranking of job categories by average salary, highlighting the prominence of roles in Machine Learning and AI. These trendy positions command an average annual salary of approximately \$178K. Despite a minor dip in 2021, salaries in this sector have shown a substantial upward trajectory. Data Analysis roles, on the other hand, have seen a steady salary increase. However, positions related to Data Management and Strategy experienced notable decreases in the years 2022 and 2023, dropping by \$50,975.58 and \$14,894.35, respectively. Among all categories, jobs in Data Quality & Operations sit at the lower end of the salary spectrum.



Details of Company-Size

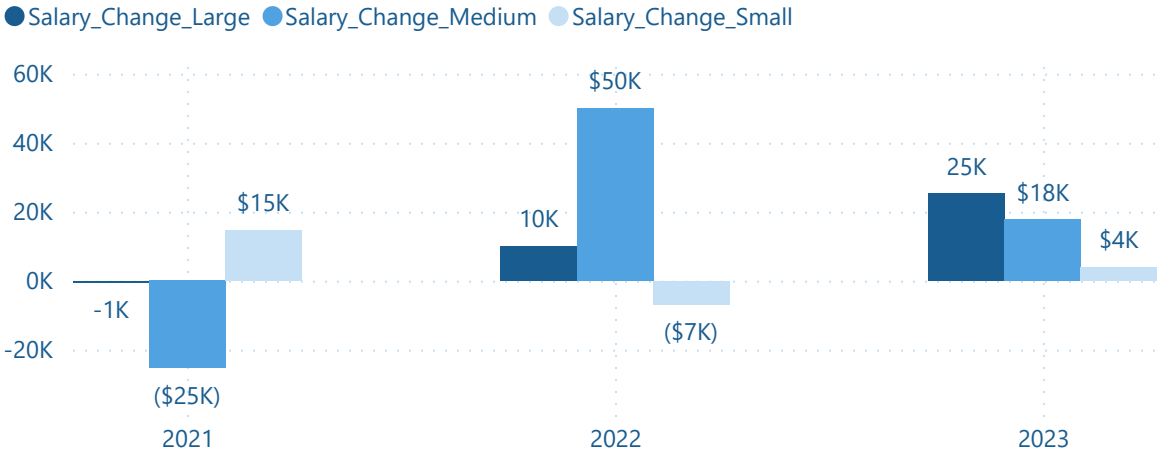
work_year	L	M	S
2020	\$95,500.00	\$98,000.00	\$61,363.00
2021	\$101,419.50	\$80,000.00	\$83,750.00
2022	\$130,000.00	\$135,000.00	\$64,020.00
2023	\$136,000.00	\$149,000.00	\$86,374.00

Average Salary by Company-size



work_year	Salary_Change_Large	Salary_Change_Medium	Salary_Change_Small
2021	-533.86	(\$25,377.73)	\$14,619.44
2023	25,329.47	\$17,709.70	\$4,021.29
2022	10,091.31	\$50,132.24	(\$6,866.44)

Average Salary Changes by Company-size



work_year	Salary_Change_Large(%)	Salary_Change_Medium(%)	Salary_Change_Small(%)
2021	-0.45%	-22.42%	18.04%
2022	8.51%	57.09%	-7.18%
2023	19.69%	12.84%	4.53%

Summary

In analyzing salary trends by company size, medium-sized companies have generally increased salaries over the years, with a slight dip in 2021. Large companies, on the other hand, have consistently raised salaries. Small companies, however, have experienced more variable salary trends. The salary changes in medium-sized companies were particularly dramatic in 2022, with a 57.09% increase from 2021, a year when they saw a 22.42% drop. As for large companies, the most significant change occurred in 2023, with a 19.69% increase. Meanwhile, small companies saw their most notable salary growth in 2021, with an 18.04% increase.



Details of Company Location

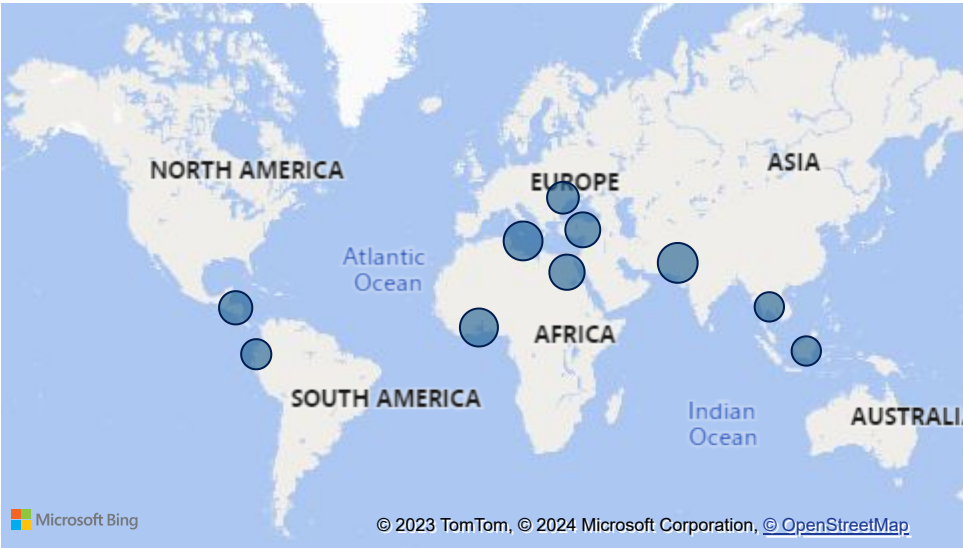
Average Salary by Location (Top 10)



company_location	salary_usd average per location
Qatar	\$300,000.00
Puerto Rico	\$167,500.00
Japan	\$165,500.00
United States	\$158,158.73
Canada	\$143,918.84
Saudi Arabia	\$134,999.00
Australia	\$132,282.71
New Zealand	\$125,000.00
Ukraine	\$121,333.33
Bosnia and Herzegovina	\$120,000.00

The table on the left highlights the Top 10 countries offering the highest average salaries globally. Remarkably, Qatar leads with an average salary of around \$300K, nearly double that of the second-ranked Puerto Rico, which averages \$167.5K. Another surprising entry is Bosnia & Herzegovina, where companies offer an average salary of about \$120.0K, showcasing diverse global salary trends.

Average Salary by Location (Bottom 10))



company_location	salary_usd average per location
Pakistan	\$30,000.00
Malta	\$28,369.00
Ghana	\$27,000.00
Egypt	\$22,800.00
Turkey	\$22,313.60
Honduras	\$20,000.00
Moldova	\$18,000.00
Ecuador	\$16,000.00
Indonesia	\$15,000.00
Thailand	\$15,000.00

The table and accompanying graphic reveal the top 10 countries where companies offer the lowest salaries worldwide. Predominantly featuring developing nations, Thailand and Indonesia are at the bottom of the list, each with an average salary of \$15.00K. Notably, Pakistan's average salary, at \$30.00K, is twice that of these two countries, highlighting significant salary disparities across different global regions.