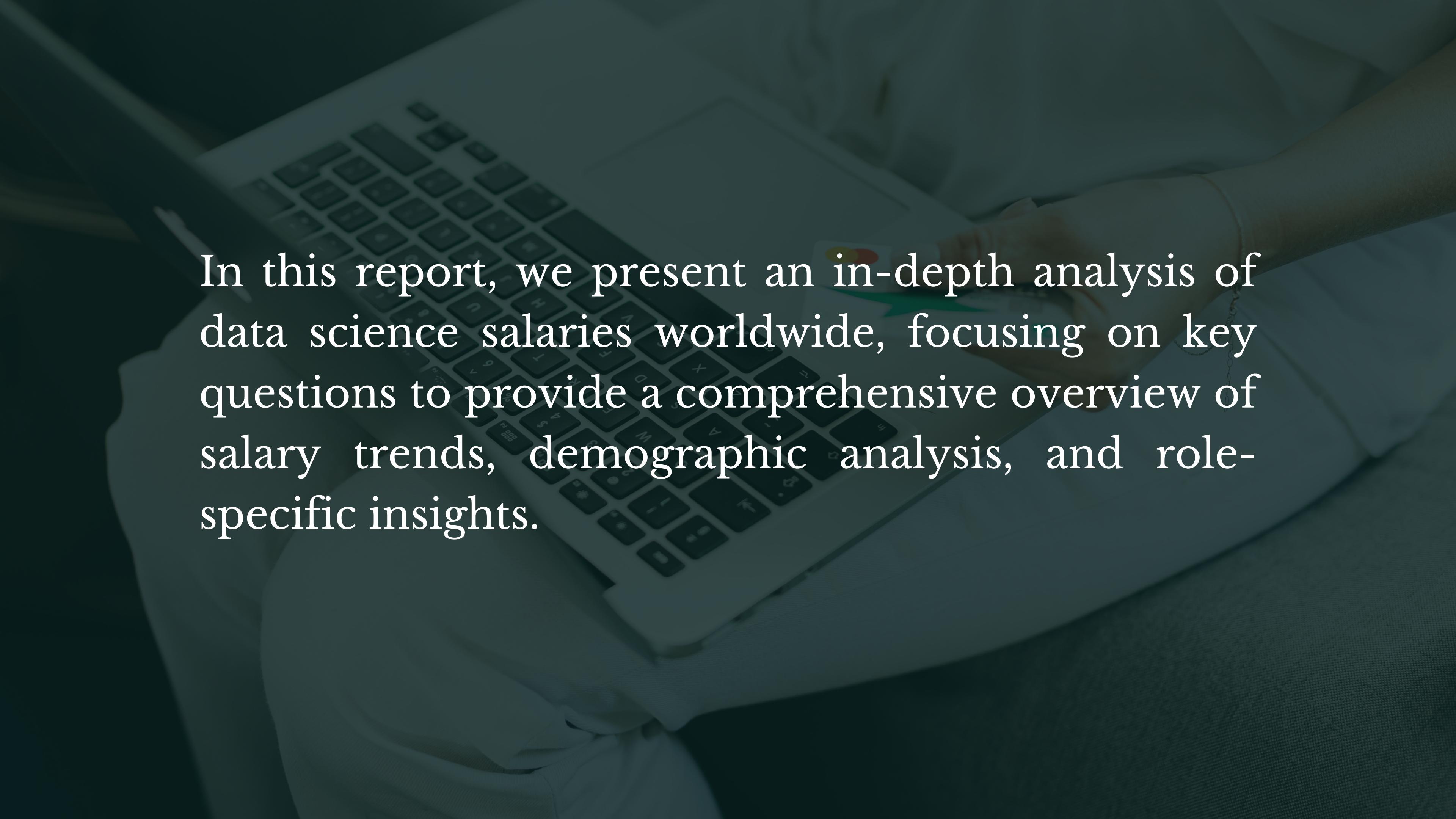


Data Science Salaries 2024

A comprehensive report on
salary structure, job roles &
market prediction

A photograph of a person's hands resting on a laptop keyboard. The laptop screen in the background displays a colorful, abstract graphic or chart. The overall image has a dark, professional aesthetic.

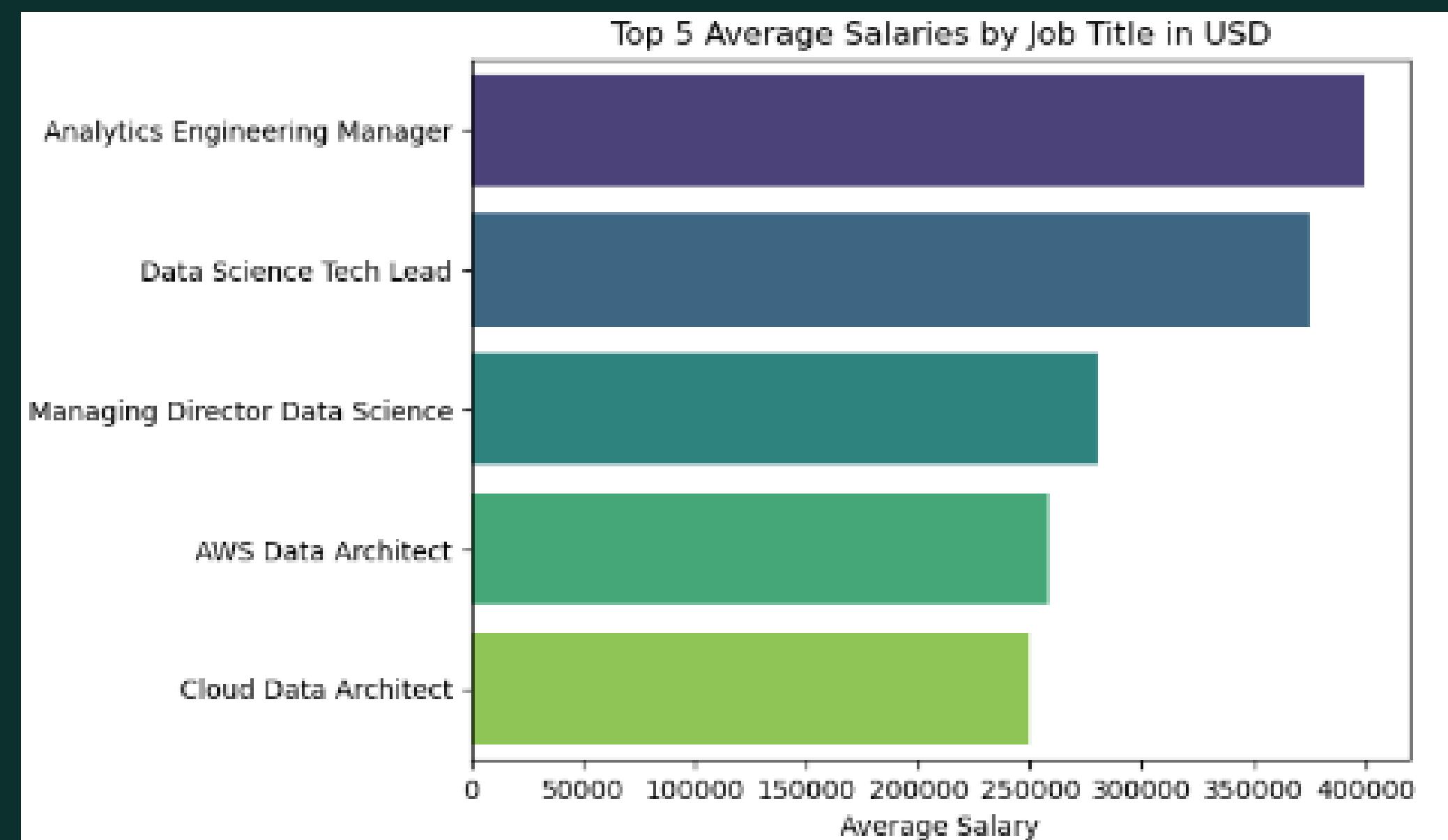
In this report, we present an in-depth analysis of data science salaries worldwide, focusing on key questions to provide a comprehensive overview of salary trends, demographic analysis, and role-specific insights.

Salary Trends and Distribution

- Top 5 average salaries by job titles in USD
- Bottom 5 average salaries by job titles in USD
- Average salaries of experience levels in USD

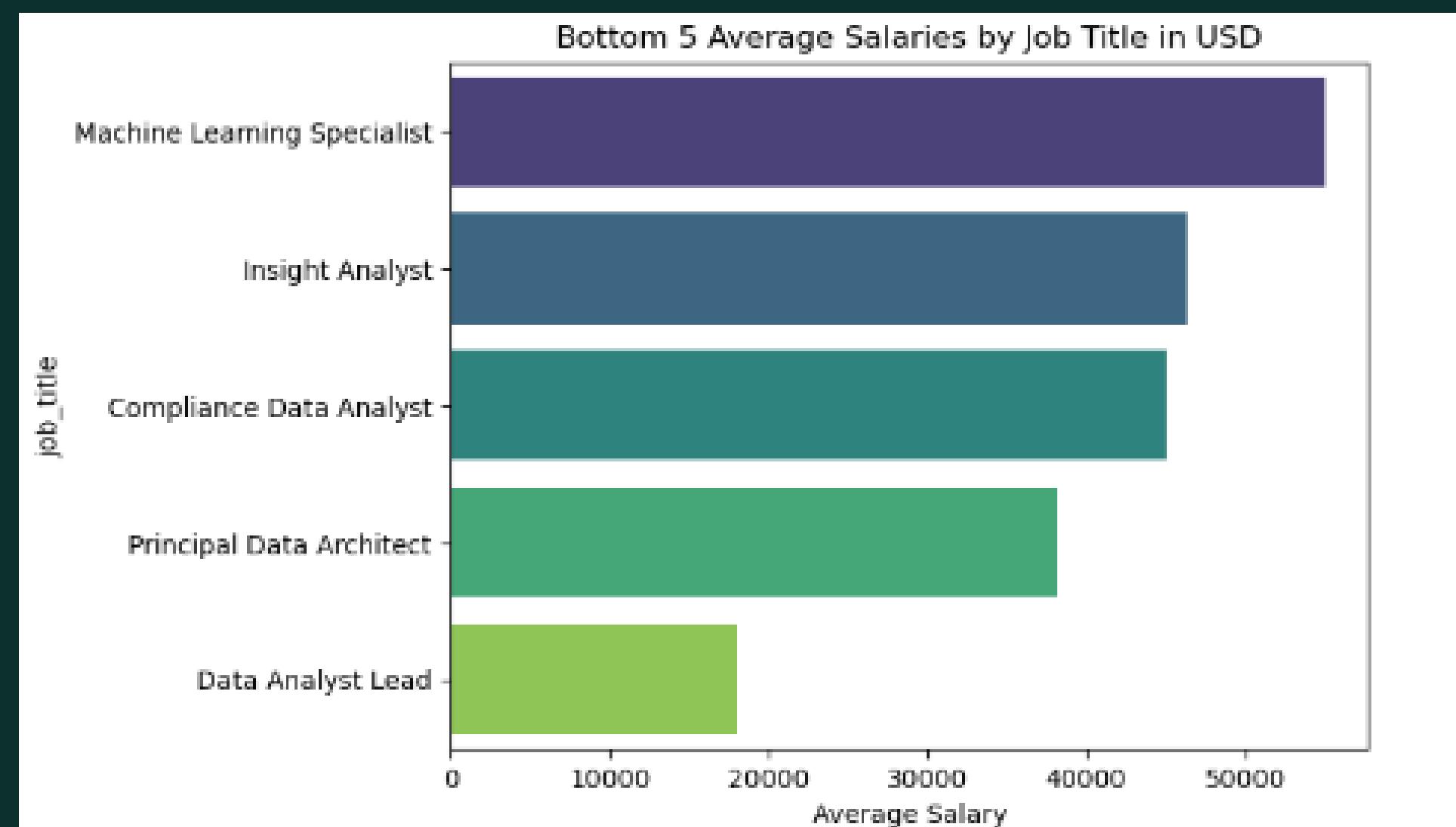
Top 5 average salaries by job titles in USD

The average salaries for top data science job titles highlight significant earning potential in the field. Analytics Engineering Managers lead with an impressive average salary of \$399,880, followed by Data Science Tech Leads at \$375,000. Managing Directors of Data Science earn \$280,000 on average, while specialized roles such as AWS Data Architects and Cloud Data Architects receive \$258,000 and \$250,000, respectively. These figures underscore the high value placed on expertise and leadership in data science and related technological domains.



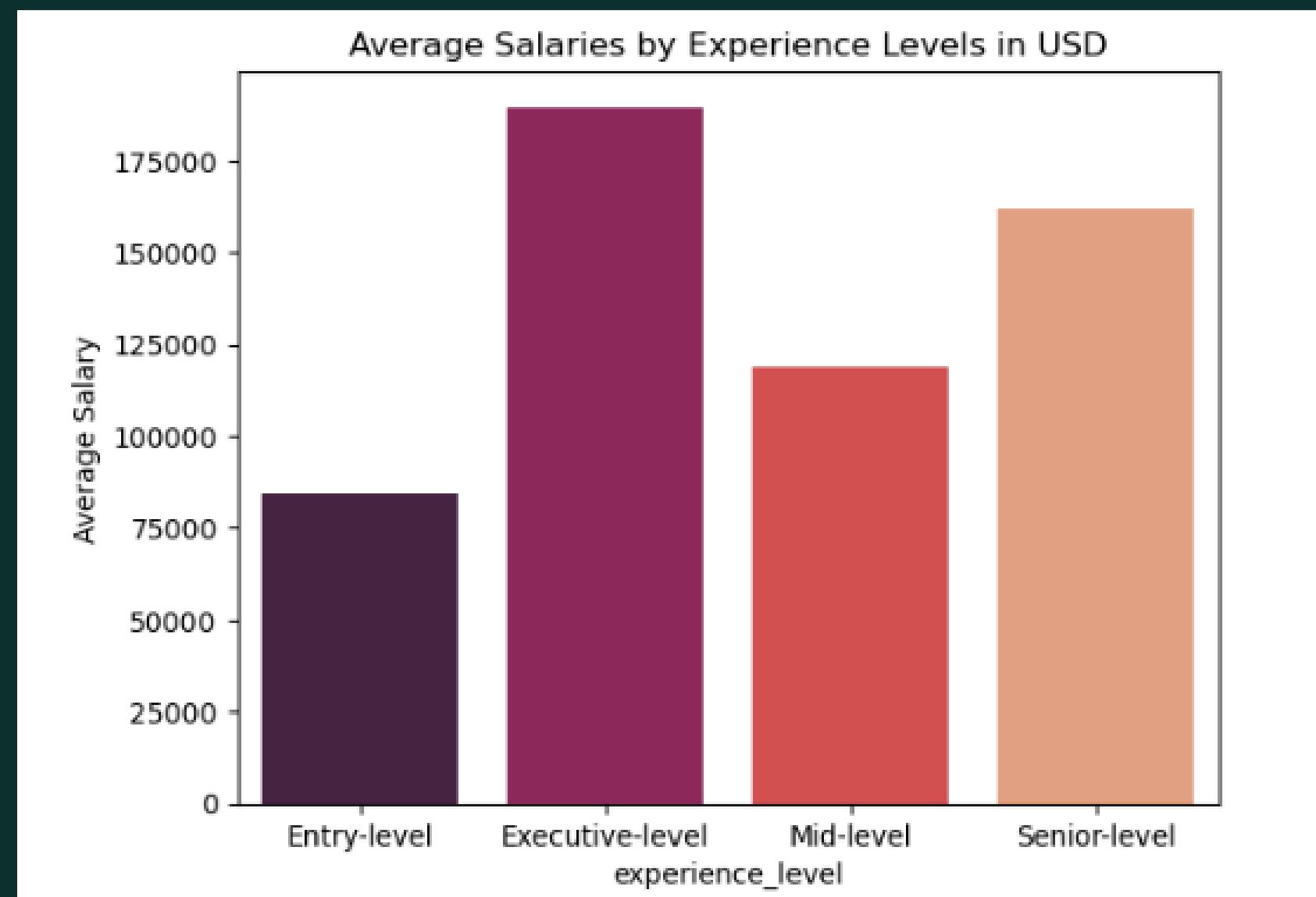
Bottom 5 average salaries by job titles in USD

The average salaries for key data science job titles reflect varied earning potentials. Data Analyst Leads earn an average of \$18,000, while Principal Data Architects have a significantly higher average salary of \$38,154. Compliance Data Analysts receive \$45,000 on average, and Insight Analysts earn \$46,339.83. Machine Learning Specialists top the list with an average salary of \$55,000. These figures indicate a range of compensation based on the role's complexity and specialization within the data science field.



Average salaries of experience levels in USD

The average salaries for data science roles vary significantly by experience level. Executive-level professionals lead with an average salary of \$189,687.35, followed by Senior-level professionals at \$162,071.06. Mid-level data scientists earn \$119,019.81 on average, while Entry-level positions have an average salary of \$84,448.92. These figures highlight the substantial increase in earning potential with higher levels of experience in the data science field.

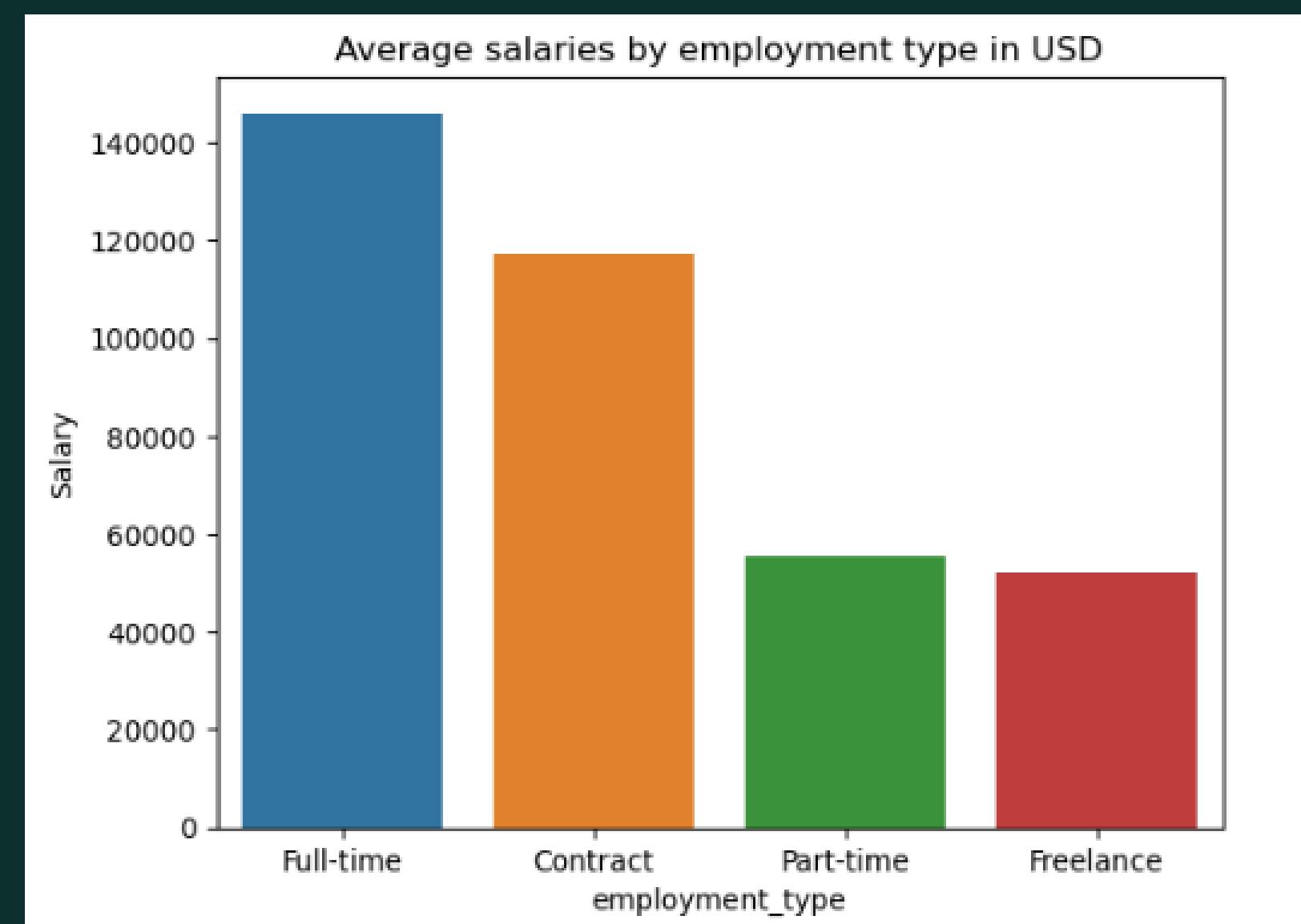


Demographic Analysis

- Average salaries by employment type in USD
- Average salaries of company size in USD
- Top 10 Average salaries of employee residence in USD

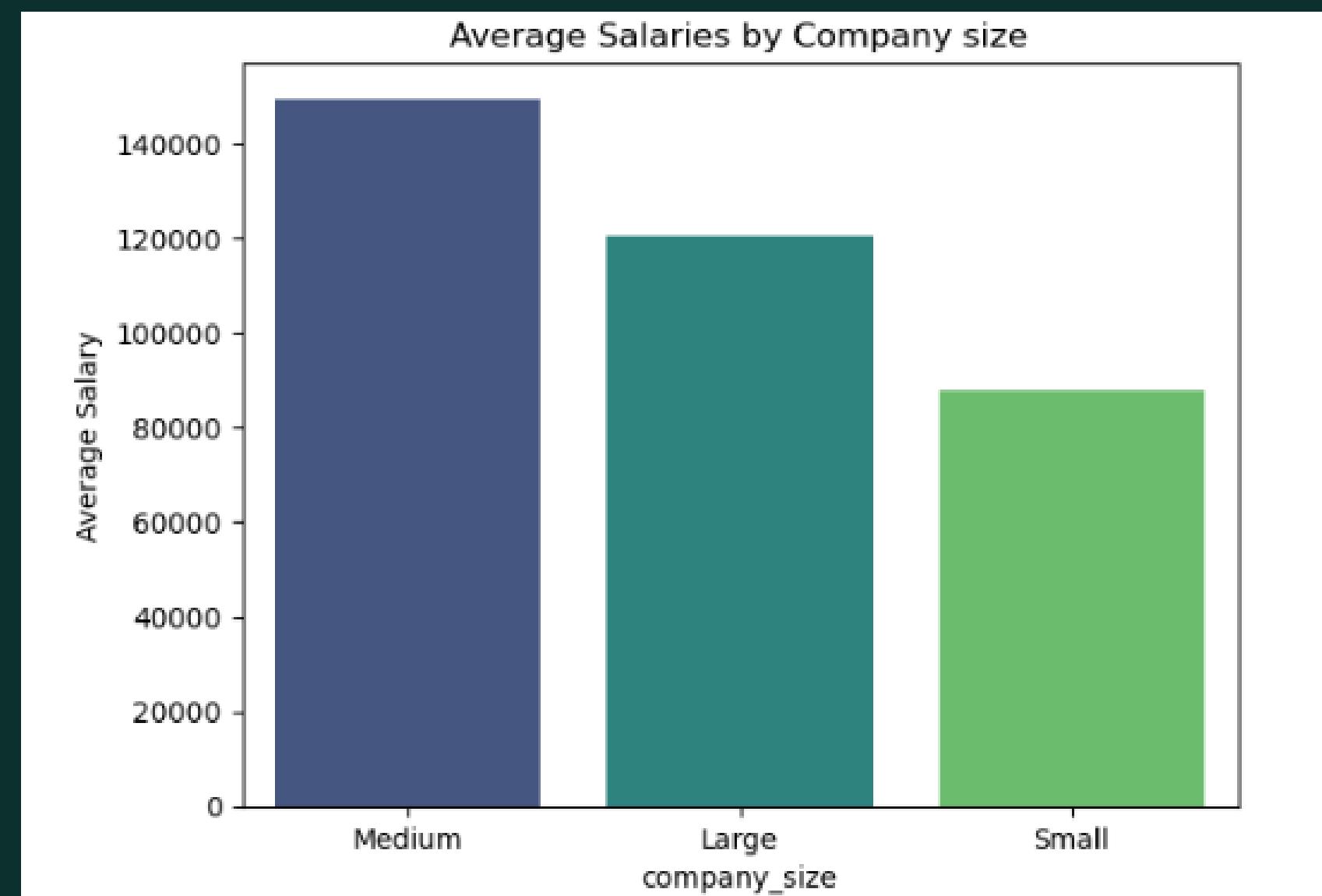
Average salaries by employment type in USD

The average salaries for data science roles vary significantly based on employment type. Full-time positions offer the highest average salary at \$146,034.99, followed by contract roles at \$117,109.37. Part-time data science jobs have an average salary of \$55,291.06, while freelance roles average \$51,923.17. These figures highlight the premium placed on full-time employment and the varying compensation for different employment arrangements in the data science field.



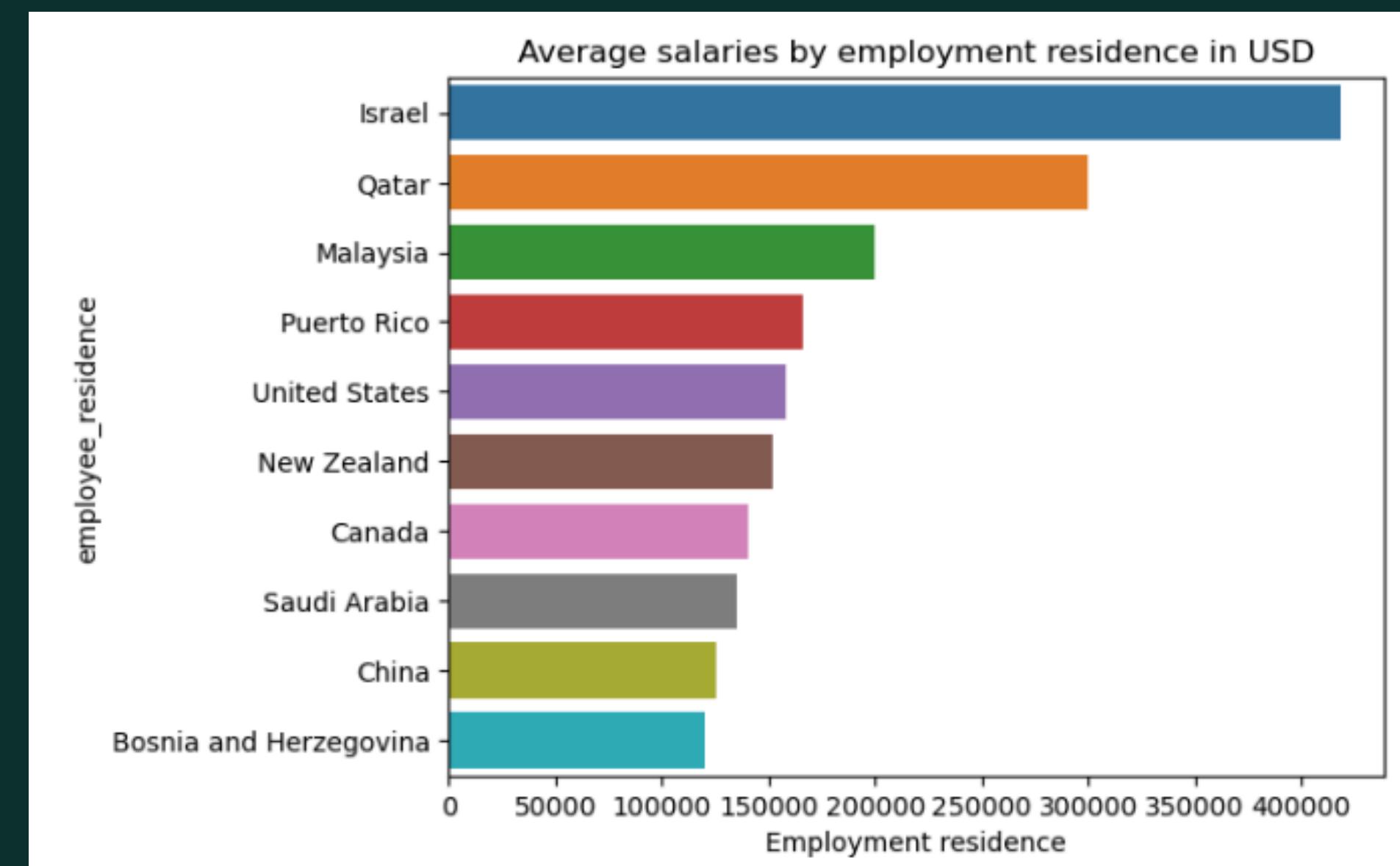
Average salaries of company size in USD

The average salaries for data science job titles vary significantly based on company size. Medium-sized companies offer the highest average salary at \$149,659.39, followed by large companies with an average of \$120,638.40. Small companies provide a lower average salary of \$87,687.46. These figures suggest that medium-sized companies value and invest more in data science roles compared to both large and small companies.



Top 10 Average salaries of employee residence in USD

The average salaries for data science roles vary significantly by country. In Israel, data science professionals earn the highest average salary of \$417,937, followed by Qatar at \$300,000 and Malaysia at \$200,000. Puerto Rico and the United States offer \$166,000 and \$157,780, respectively. New Zealand (\$151,634) and Canada (\$140,564) also provide competitive salaries. Meanwhile, data scientists in Saudi Arabia earn \$134,999, in China \$125,404, and in Bosnia and Herzegovina \$120,000. These figures highlight geographic disparities in compensation within the data science field.

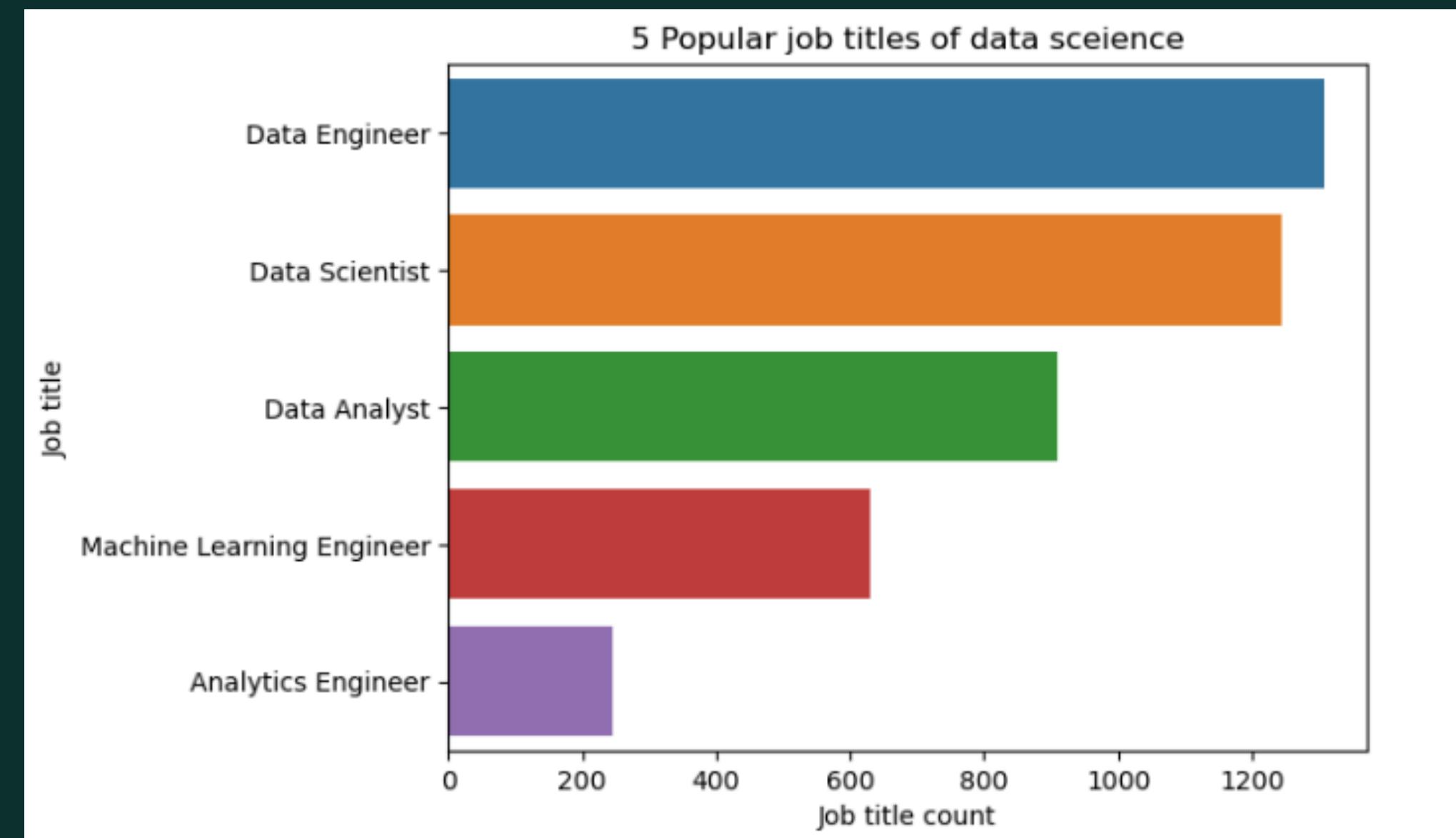


Role-Specific Analysis

- Top 5 popular job titles of Data science in the world
- Average salaries of work models in USD
- Percentage distribution of Average salaries of employee residence in USD

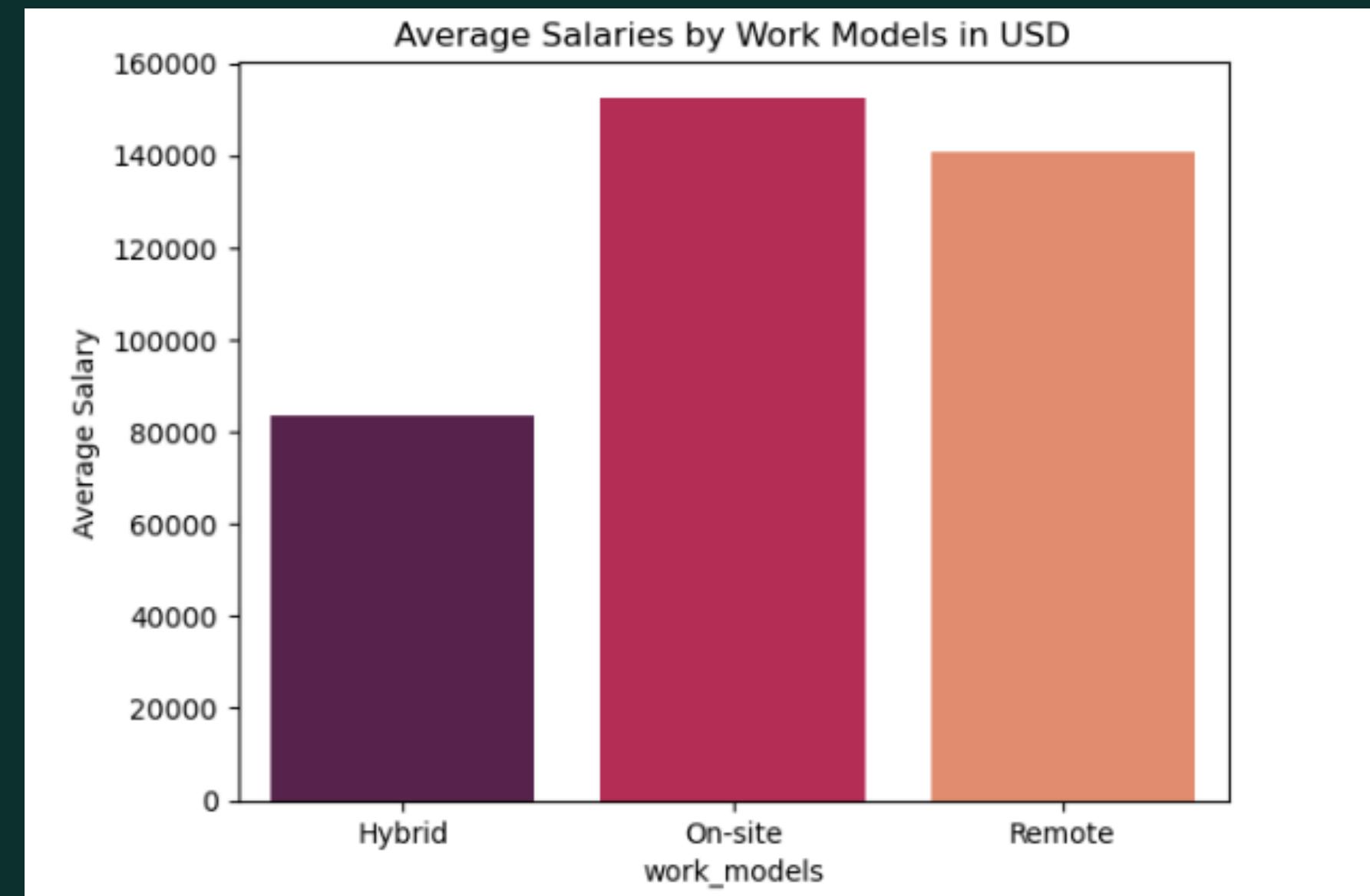
Top 5 popular job titles of Data science in the world

The top five data science job titles globally showcase the diverse roles within the field. Data Engineers lead with 1,307 positions, followed closely by Data Scientists at 1,243. Data Analyst roles are also prevalent, with 910 positions, indicating the continued demand for analytics expertise. Machine Learning Engineers and Analytics Engineers round out the list with 629 and 246 positions, respectively, highlighting the importance of machine learning and analytics engineering skills in today's data-driven world. These roles represent key pillars in organizations' data science endeavors, driving innovation and insights across industries.



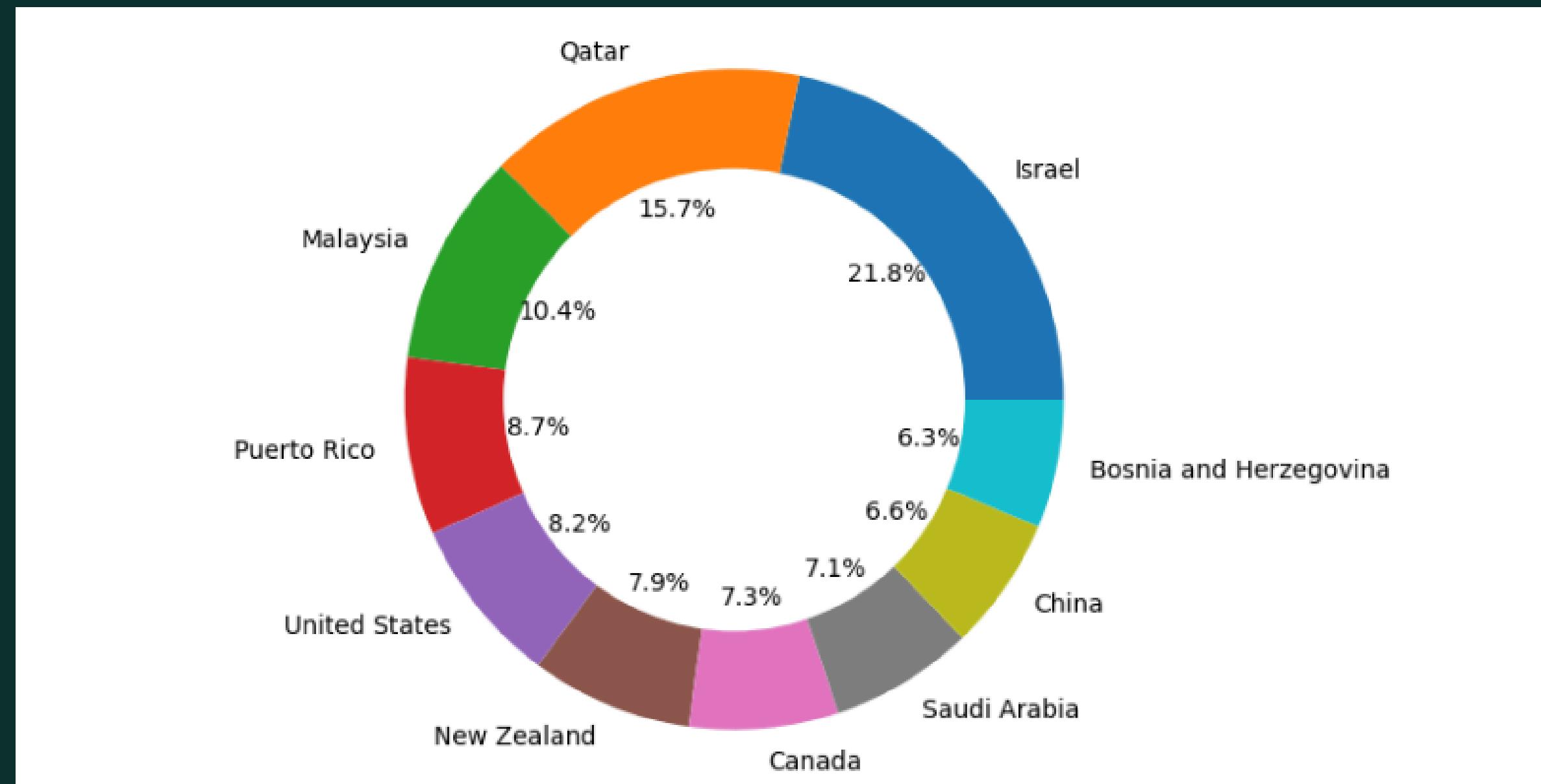
Average salaries of work models in USD

The analysis of data science job work models and their corresponding average salaries unveils intriguing insights into the evolving landscape of employment preferences and compensation trends. On-site positions boast the highest average salary, standing at \$152,600.10, signaling a premium placed on in-person work arrangements. Remote roles follow closely behind, commanding an average salary of \$140,550.14, highlighting the growing acceptance and prevalence of remote work options within the data science domain. In contrast, hybrid work models exhibit a notably lower average salary of \$83,293.50, indicating potential trade-offs between flexibility and compensation in hybrid work environments.



Percentage distribution of Average salaries of employee residence in USD

The distribution of employee residence and its correlation with offering the highest average salary across countries unveils a diverse global landscape. Israel emerges as the leading residence, accounting for 21.8% of high-paying positions, followed by Qatar at 15.7% and Malaysia at 10.4%. Puerto Rico and the United States closely trail behind, each representing 8.7% and 8.2% respectively. Notably, New Zealand, Canada, and Saudi Arabia also contribute significantly, each comprising around 7-8% of the top-paying roles. This distribution underscores the global nature of high-paying opportunities in data science, with a concentration in several key regions worldwide.

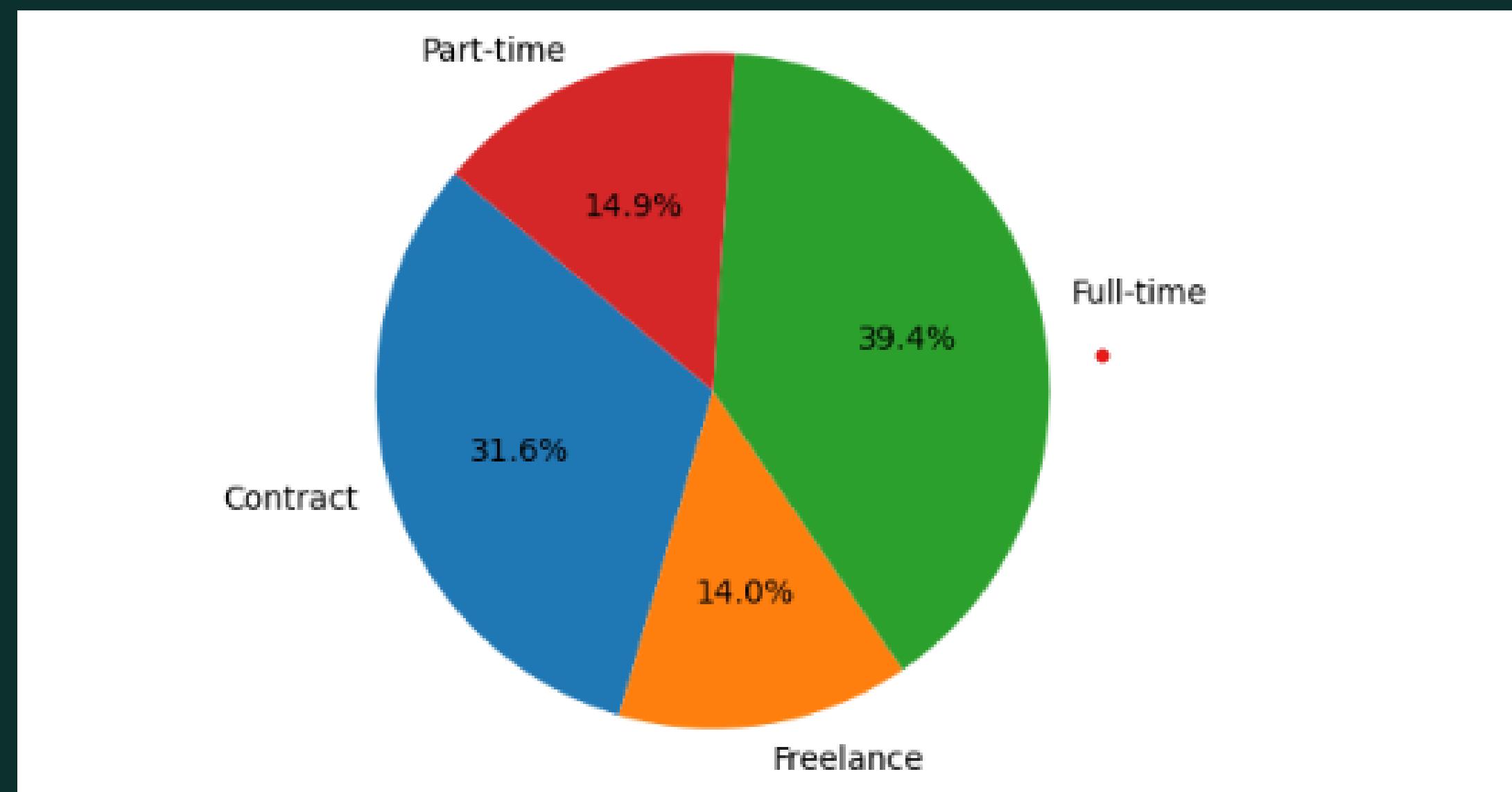


Salary trends over employment type and year

- Percentage distribution of Employment type
- Percentage distribution of company size in the world
- Average salaries of work year in USD

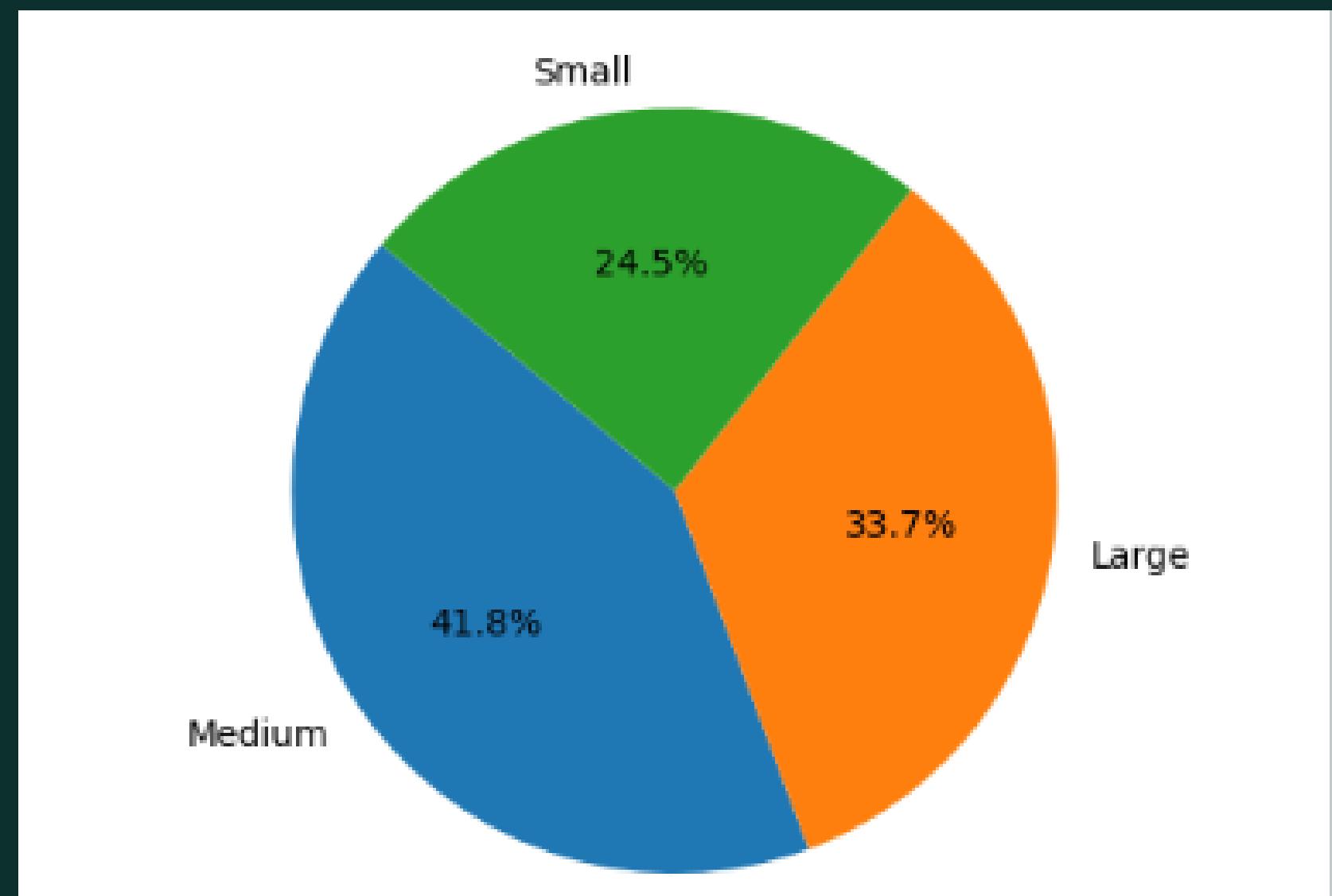
Percentage distribution of Employment type

The distribution of employment types in the data science domain presents a varied landscape reflective of diverse work arrangements worldwide. Full-time positions dominate the market, constituting 39.4% of roles, indicating a prevalent preference for traditional employment structures. Part-time opportunities follow closely behind at 31.6%, suggesting a substantial contingent of professionals seeking flexible work schedules. Contract and freelance roles collectively comprise 28.9% of the market, underscoring the increasing popularity of project-based and independent work arrangements within the data science industry.



Percentage distribution of company size in the world

The percentage distribution of company sizes within the data science job industry worldwide reveals a nuanced landscape of organizational structures. Medium-sized companies dominate the scene, representing 41.8% of the sector, indicating a substantial presence of mid-scale enterprises in the field. Large corporations closely follow, comprising 33.7% of the industry, indicating significant employment opportunities in established organizations. Meanwhile, small companies contribute 24.5% to the job market, highlighting the diverse array of employment options available across different company sizes within the dynamic data science sector.



Average salaries of work year in USD

The average salary of data science jobs across respective years reflects an upward trend, indicating the industry's robust growth and demand for skilled professionals. In 2020, the average salary stood at \$102,250.87, gradually increasing to \$153,124.08 by 2024. This progressive rise underscores the sector's resilience and evolving dynamics, likely driven by technological advancements, increasing demand for data-driven insights, and competition for top talent. The consistent year-on-year growth signifies promising opportunities and economic stability within the global data science job market.



Analysis and Findings

Employment Type and Salary:

Full-time employment dominates the data science job market, constituting 39.4% of all employment types globally. Remarkably, full-time positions also offer the highest average salary at \$146,035, indicating their desirability and rewarding compensation.

Company Size and Compensation:

Medium-sized companies represent the largest portion of the industry at 33.7% and offer the highest average salary of \$149,659. This underscores the prevalence of mid-scale enterprises as lucrative employers in the data science domain.

Highest-Paying Country:

Israel stands out as the top-paying country for data science jobs, offering an average salary of \$417,937. This highlights Israel's prominence as a global hub for high-paying opportunities in the field.

Popular Job Profile:

Data Engineer emerges as the most sought-after job profile worldwide in data science, reflecting the critical role played by data engineering expertise in driving industry advancements.

Work Model Impact on Salary:

On-site work models command the highest average salary globally, reaching \$152,600. This underscores the value placed on physical presence and collaboration in certain work environments.

Employee Residence Distribution:

Israel boasts the highest percentage of employee residence in data science jobs, accounting for 21.8% of the workforce. This emphasizes the concentration of talent and opportunities in the Israeli data science ecosystem.

Salary Growth Over Years:

Analysis reveals a consistent increase in average salaries over the years, with 2020 starting at \$102,250 and steadily rising to an all-time high of \$153,124 in 2024. This consistent growth trajectory underscores the industry's resilience and positive economic outlook.

These findings provide valuable insights into the global data science job market, highlighting trends, disparities, and areas of opportunity for both professionals and employers.