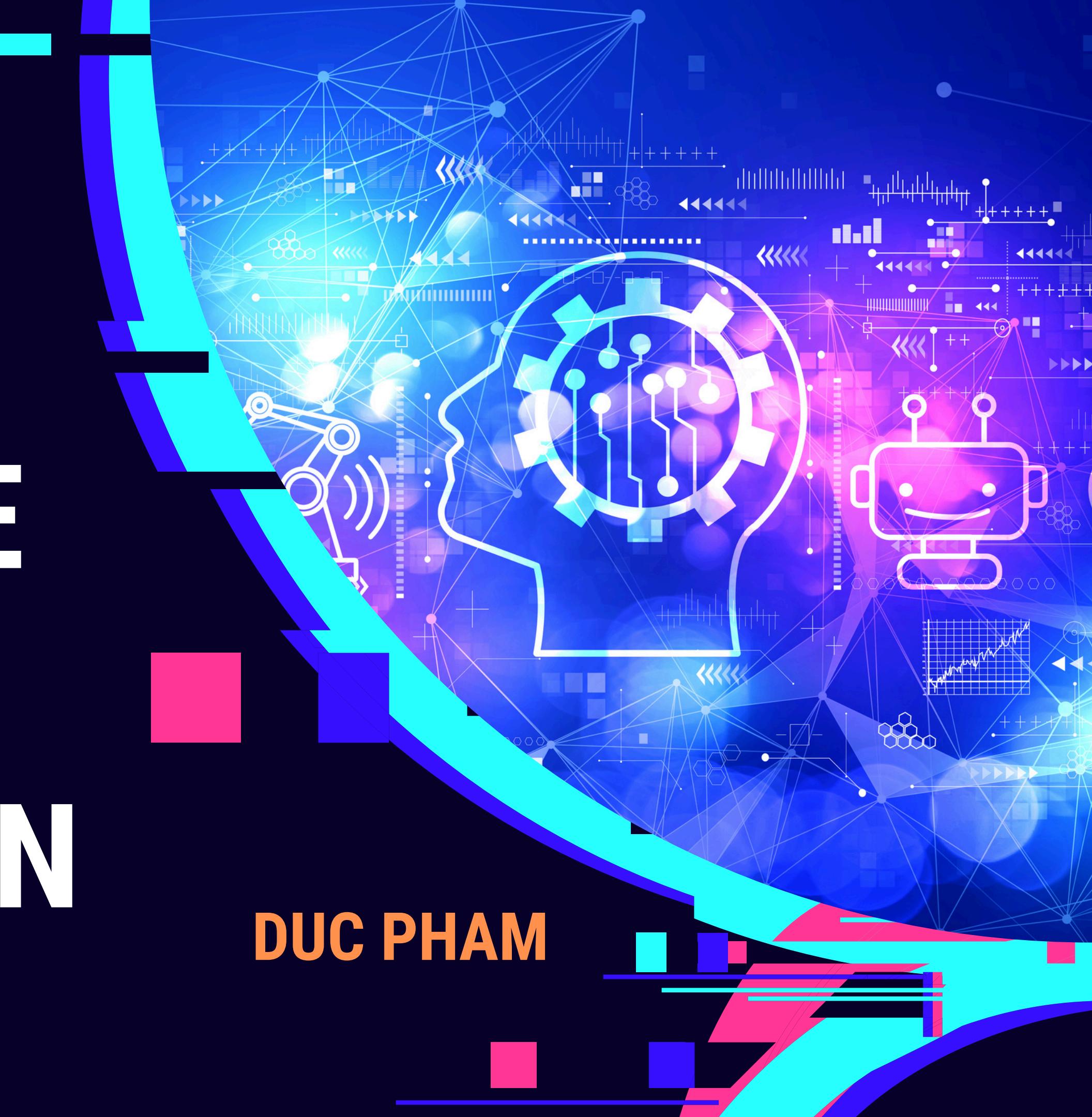


# DATA SCIENCE MARKET VISUALIZATION

DUC PHAM



# Goal of the Project

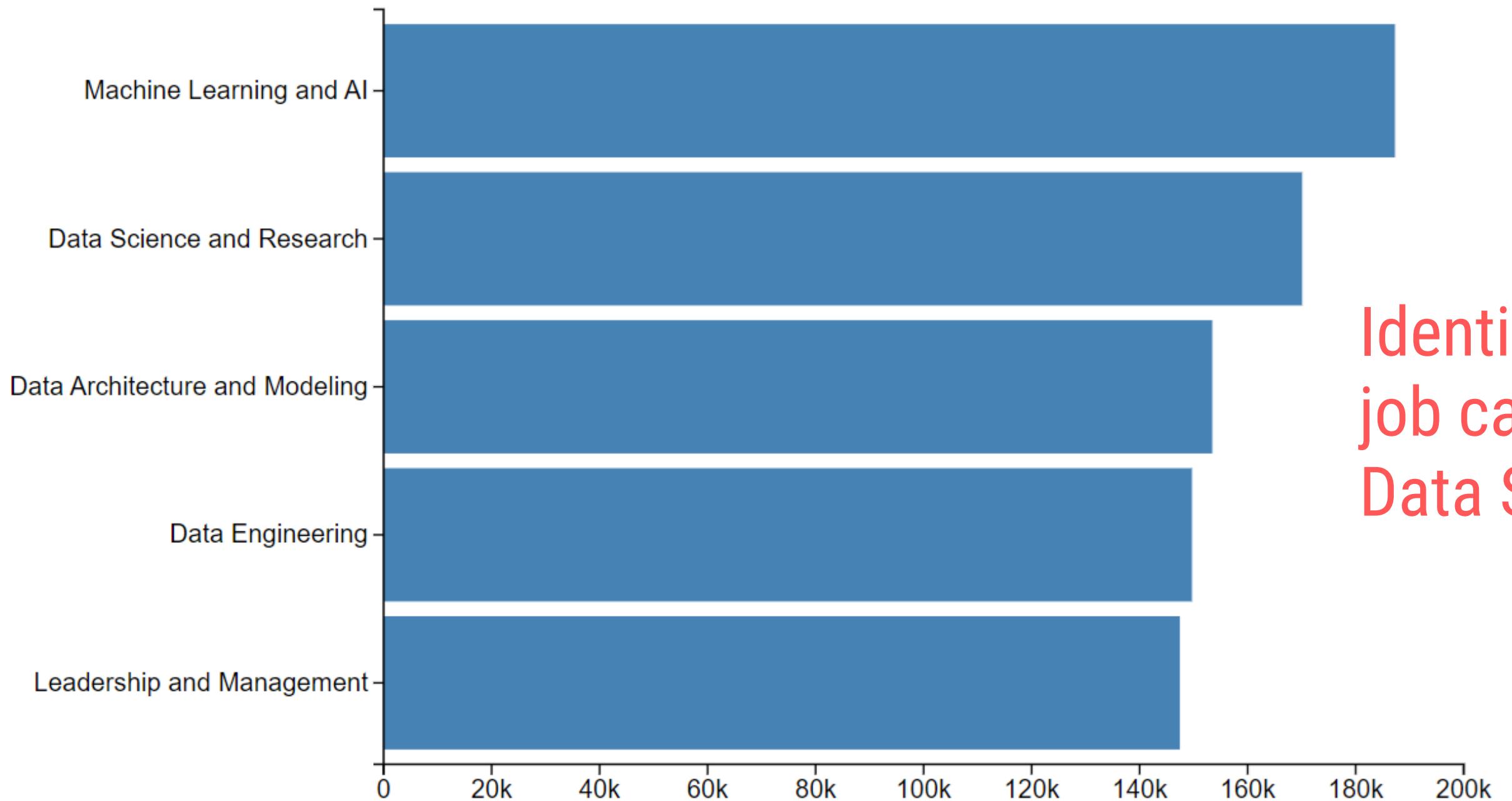
"The primary goal of this project is to provide a comprehensive visualization of salary distribution across various categories in the field of data science."



# Project Objectives

- 
- 01 Identify Top Well-Paid Job Categories in the market
  - 02 Explore More About Distribution Across Different Job Categories
  - 03 Analyze How Experience Affects Salary
  - 04 Provide More Information to Compare Salaries in Different Sub-Fields

# Visualization 1: Bar Chart of Top 5 Average Salaries



Identifying top well-paid  
job categories in the  
Data Science market.

Clear All

Machine Learning and AI

Data Science and Research

Data Architecture and Modeling

Data Engineering

Leadership and Management

Cloud and Database

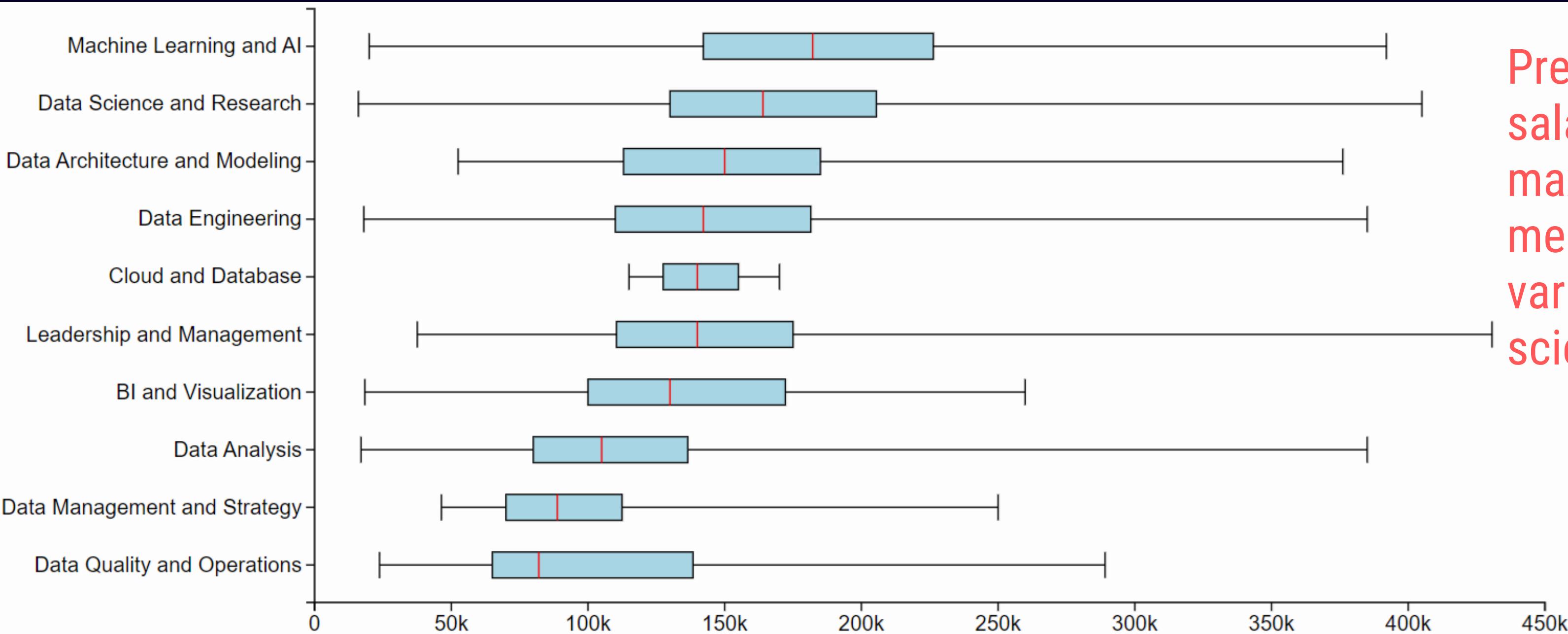
BI and Visualization

Data Analysis

Data Quality and Operations

Data Management and Strategy

# Visualization 2: Boxplot of Salary Distribution by Job Categories



Presenting the salary range with max, min, and median within various data science categories

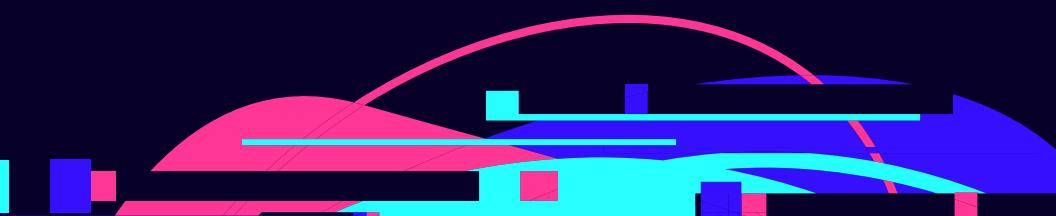
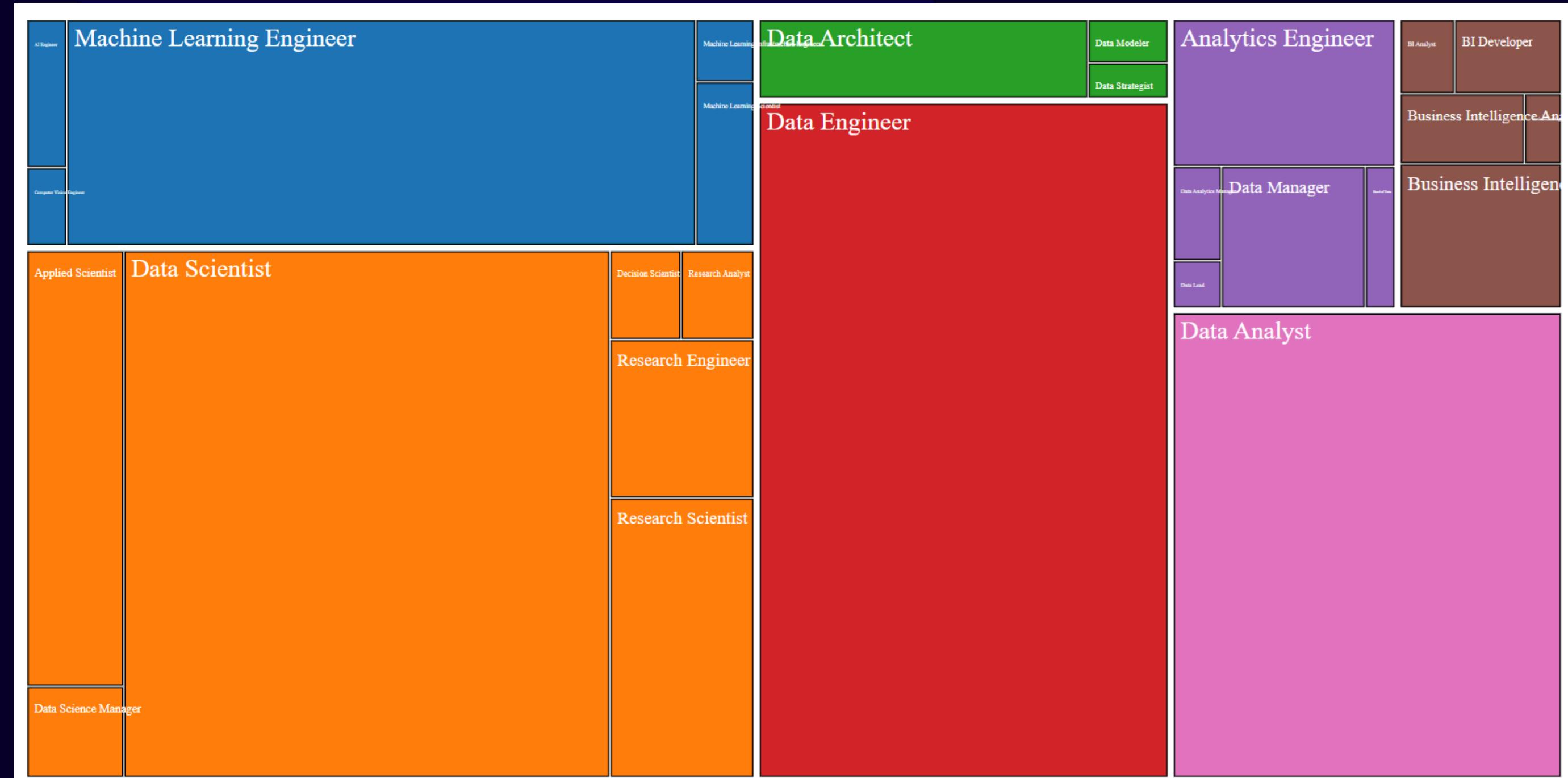


- Machine Learning and AI
- Data Science and Research
- Data Architecture and Modeling
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- Cloud and Database
- Leadership and Management
- BI and Visualization
- Data Analysis
- Data Management and Strategy
- Data Quality and Operations

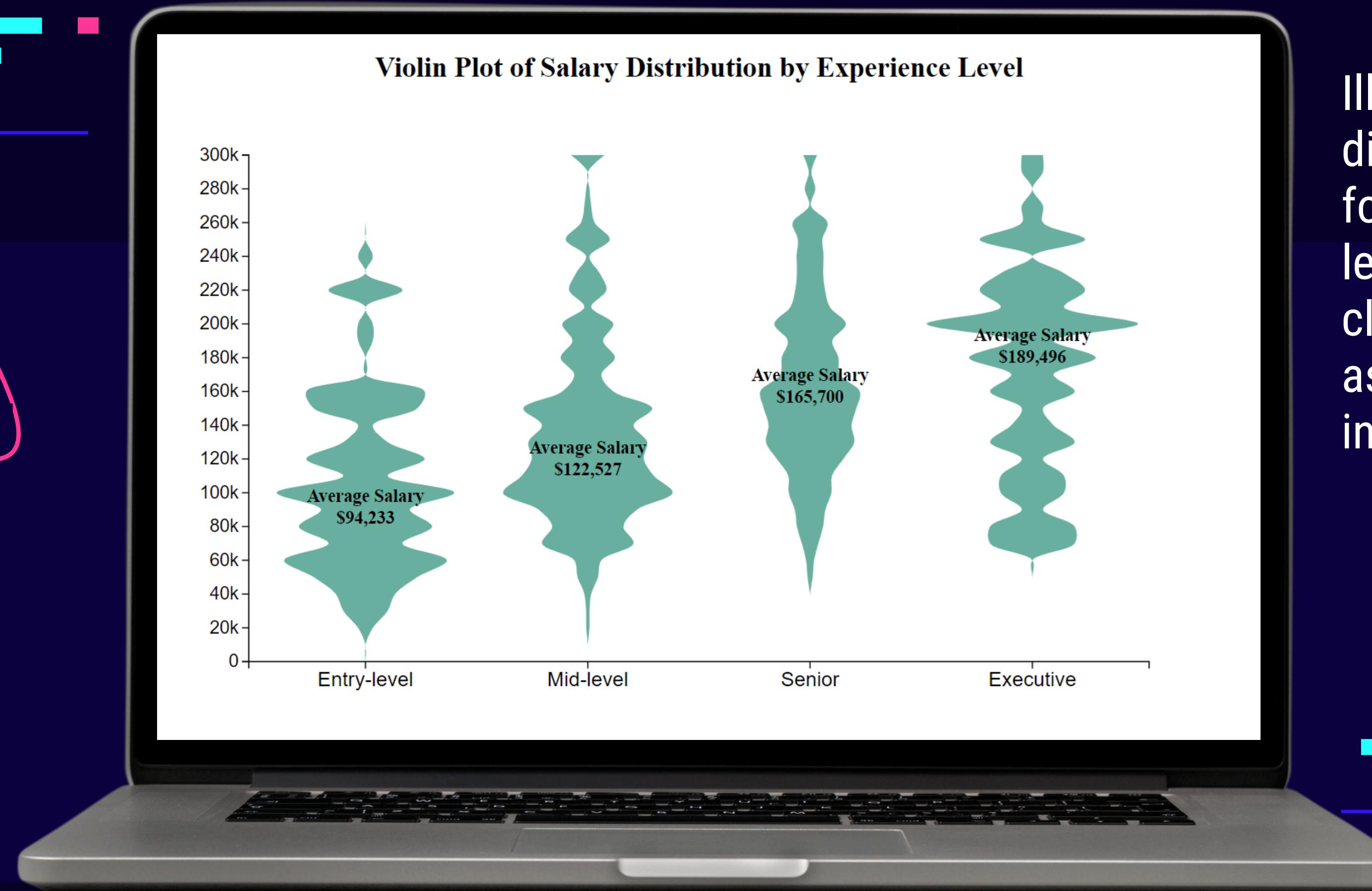


# Visualization 3: Treemap of Job Titles in Data Science

Providing more detailed comparisons of salaries across different roles, enhancing our understanding of the job market landscape.



# Visualization 4: Violin Plot of Salary Distribution by Experience Level



Illustrating salary distribution across four experience levels, showing a clear upward trend as experience increases.

# Performance Evaluation

Success was measured by the accuracy and clarity of the visual data representation and the positive feedback received from peers and class instructor who accessed the project online.

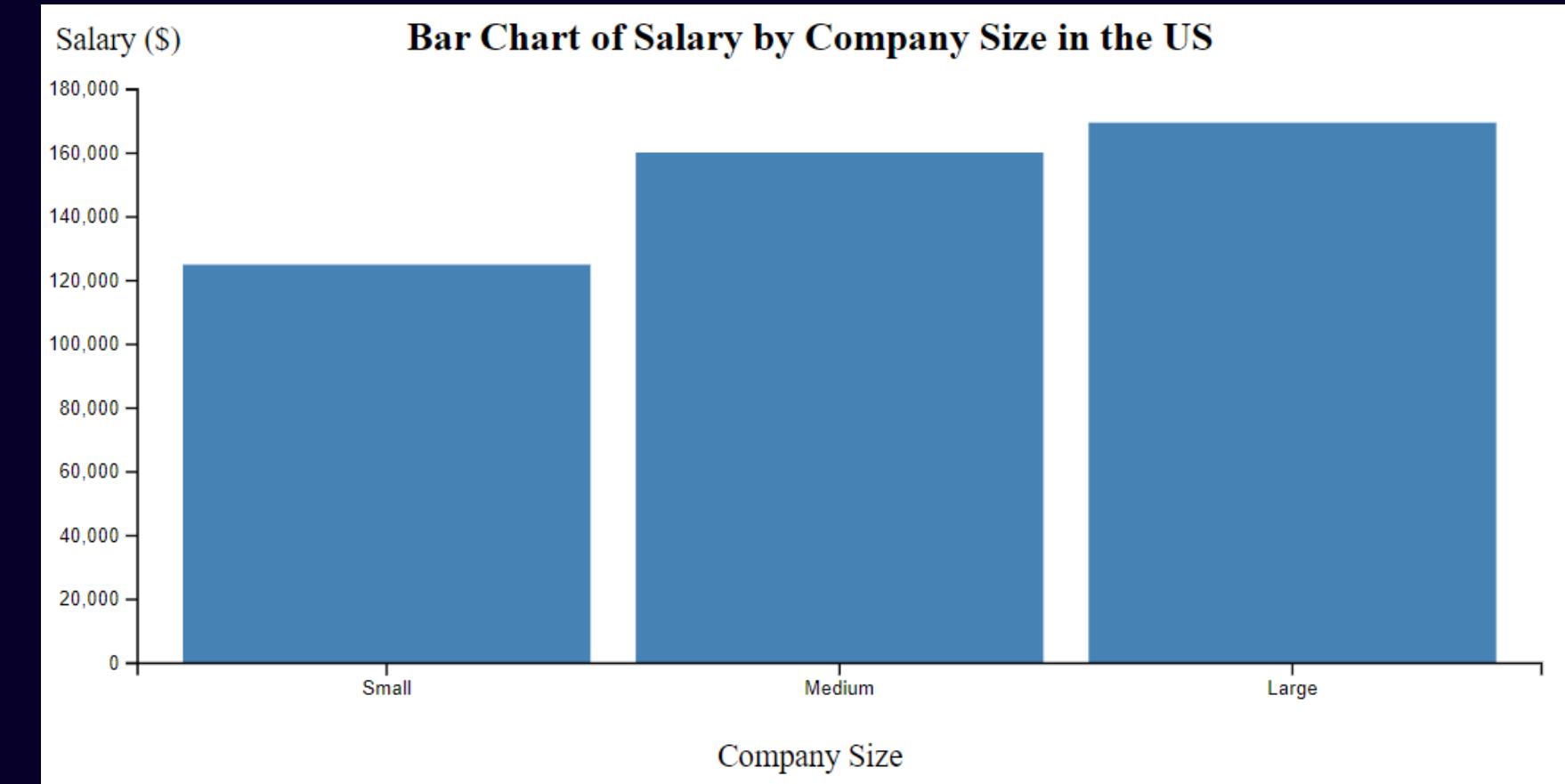
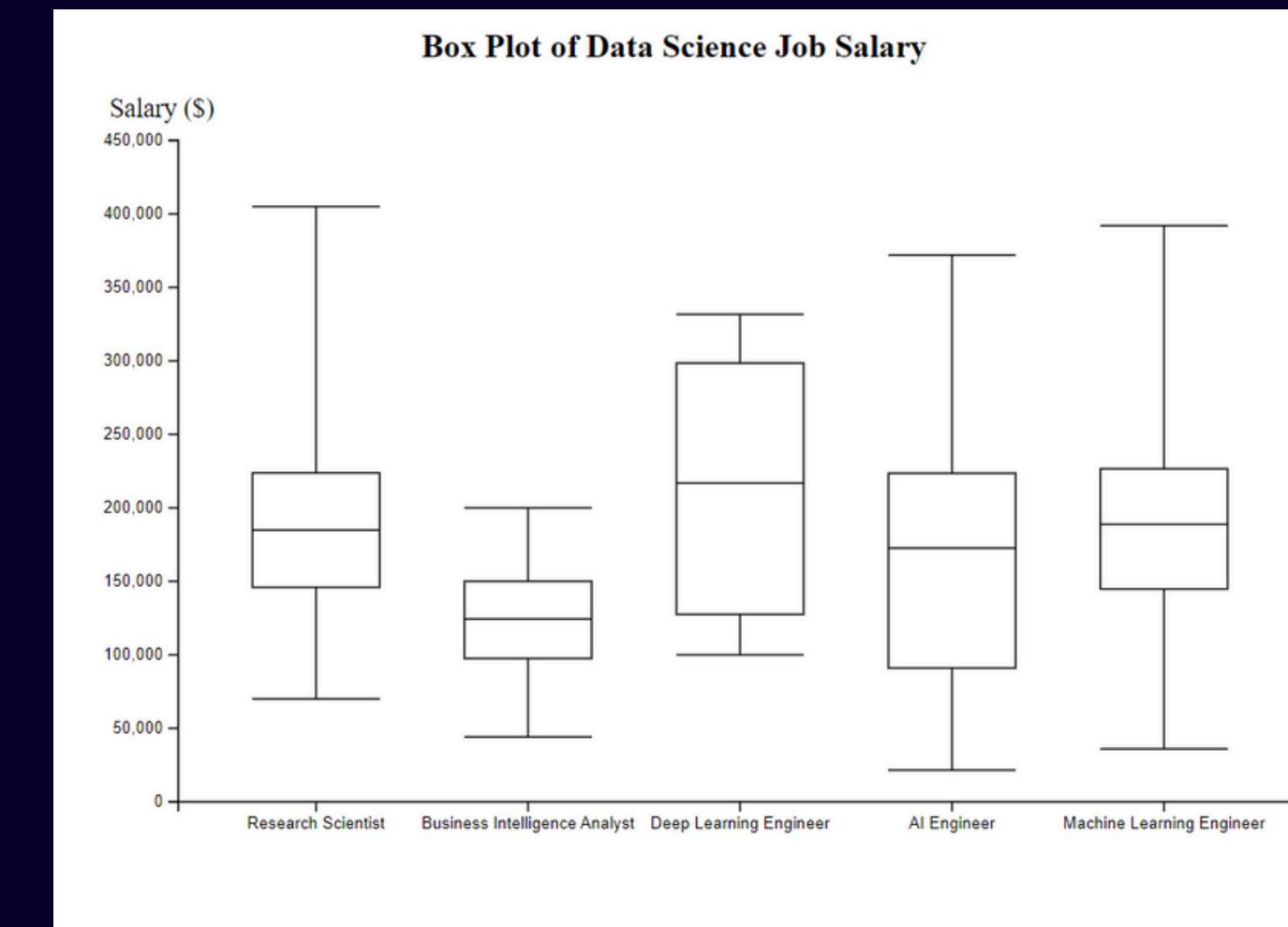
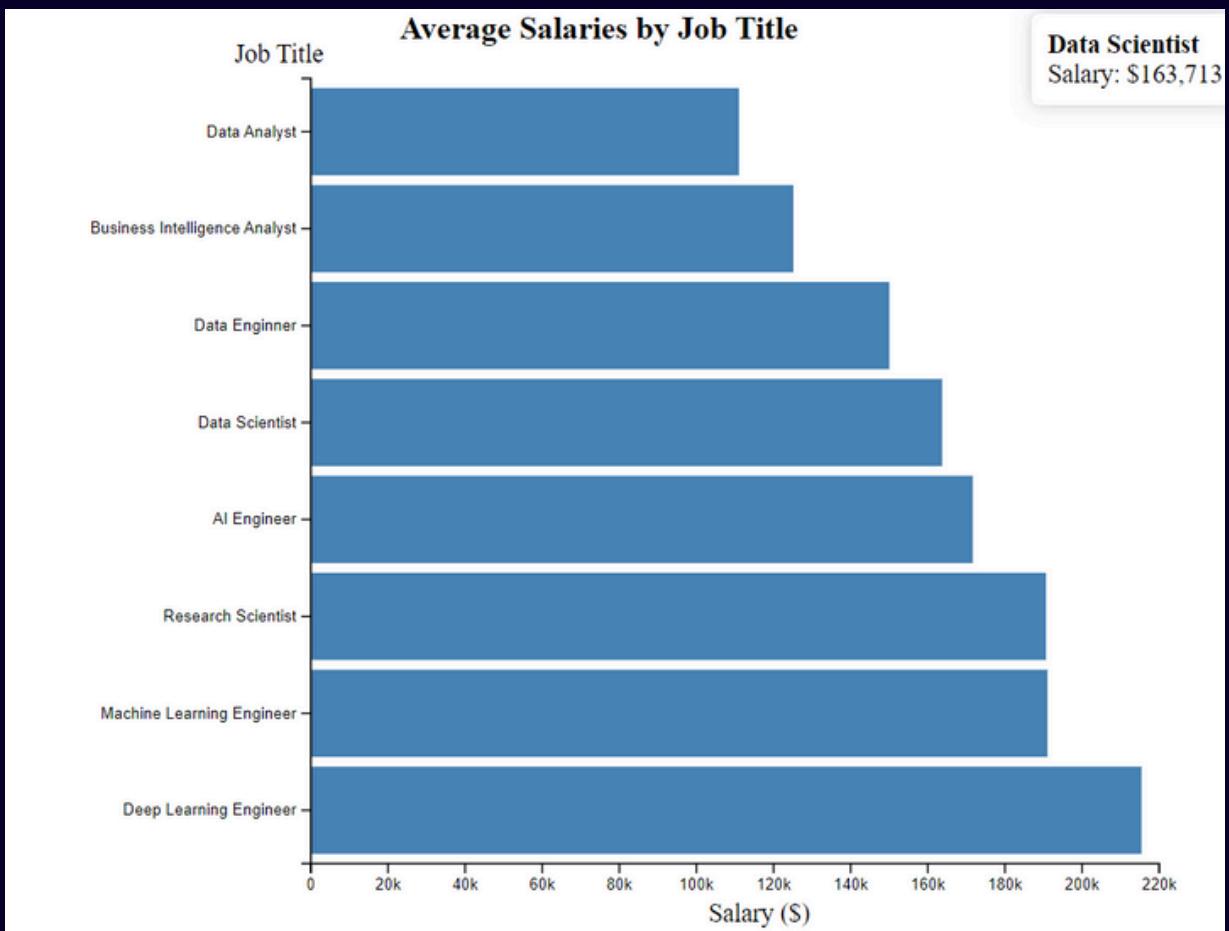


# New Updates

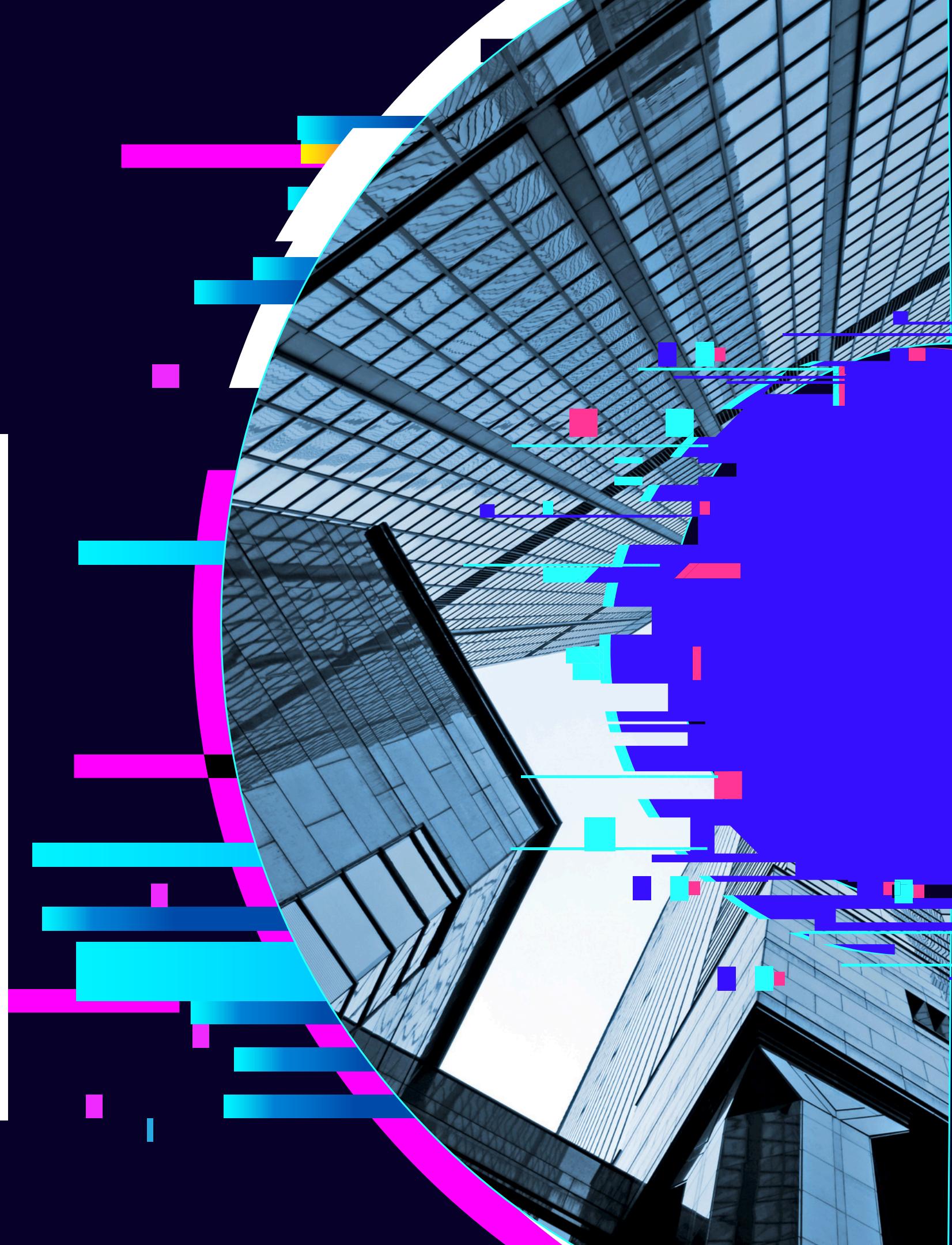
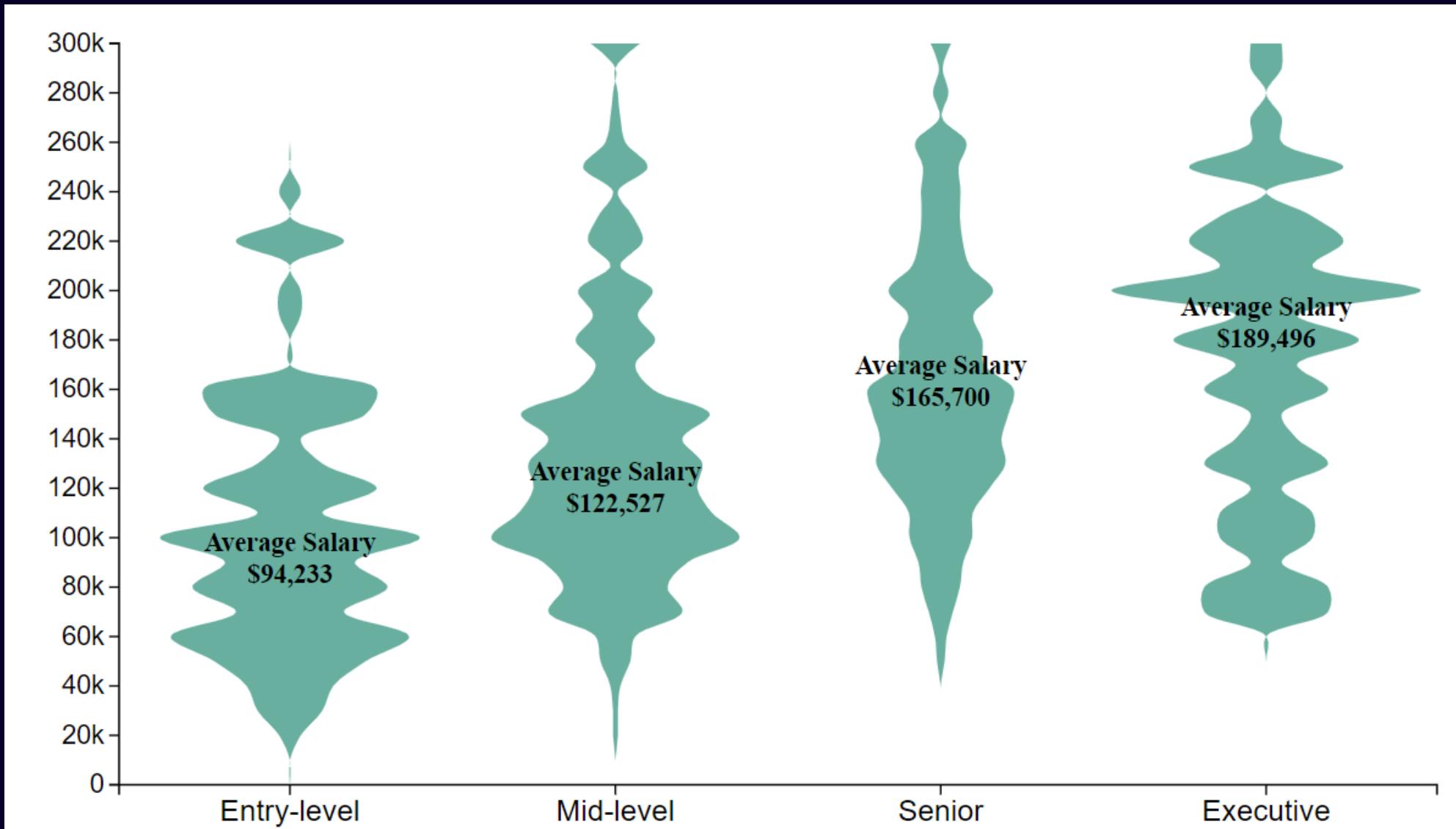
After the beta release of our projects, I received a range of valuable feedback, which led to significant enhancements in our visualizations and methodologies.

These changes were made to make the visualizations more accessible and understandable.

# Previous Versions



# Challenges Encountered





My approach was based on data analysis and interactive visualization tools, which proved quite promising and understandable.

However, a potential variant could include more real-time data values to reflect current market trends dynamically

I encountered challenges with data interactivity and features, which addressed by figuring out the necessary data to display and enhance the interactive elements of the visualizations



## Future Work

If given more time, I would like to expand the project to include predictive analytics features, allowing users to forecast future salary trends based on current data.

Additionally, integrating more diverse geographical locations would make our insights more globally relevant."

# Conclusion

This exploration of data science salaries aims to empower your career decisions with valuable insights.





**THANK YOU**

**DO YOU HAVE ANY QUESTION?**