

Data Scientist Job Information

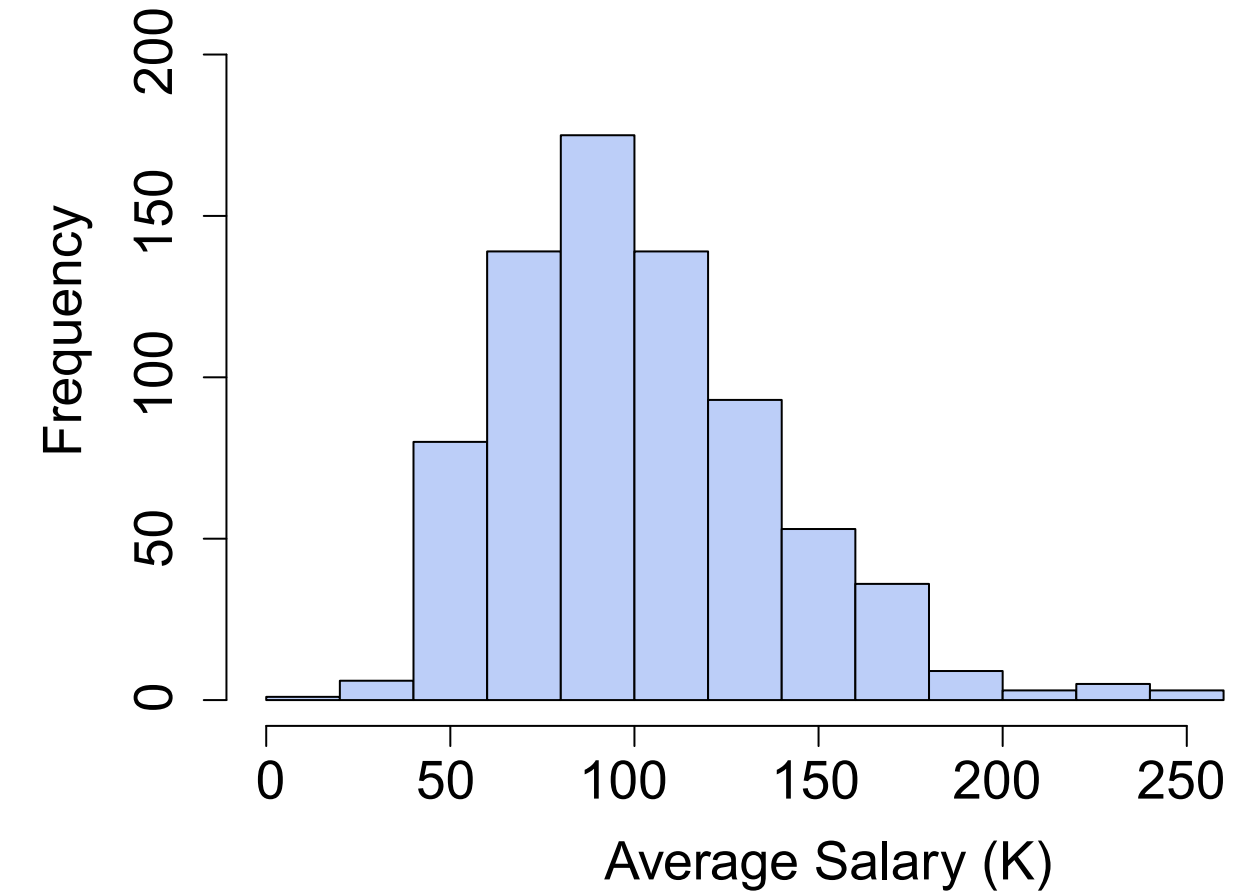
Name : Lu Guo
IST 719 Information Visualization

Data Description

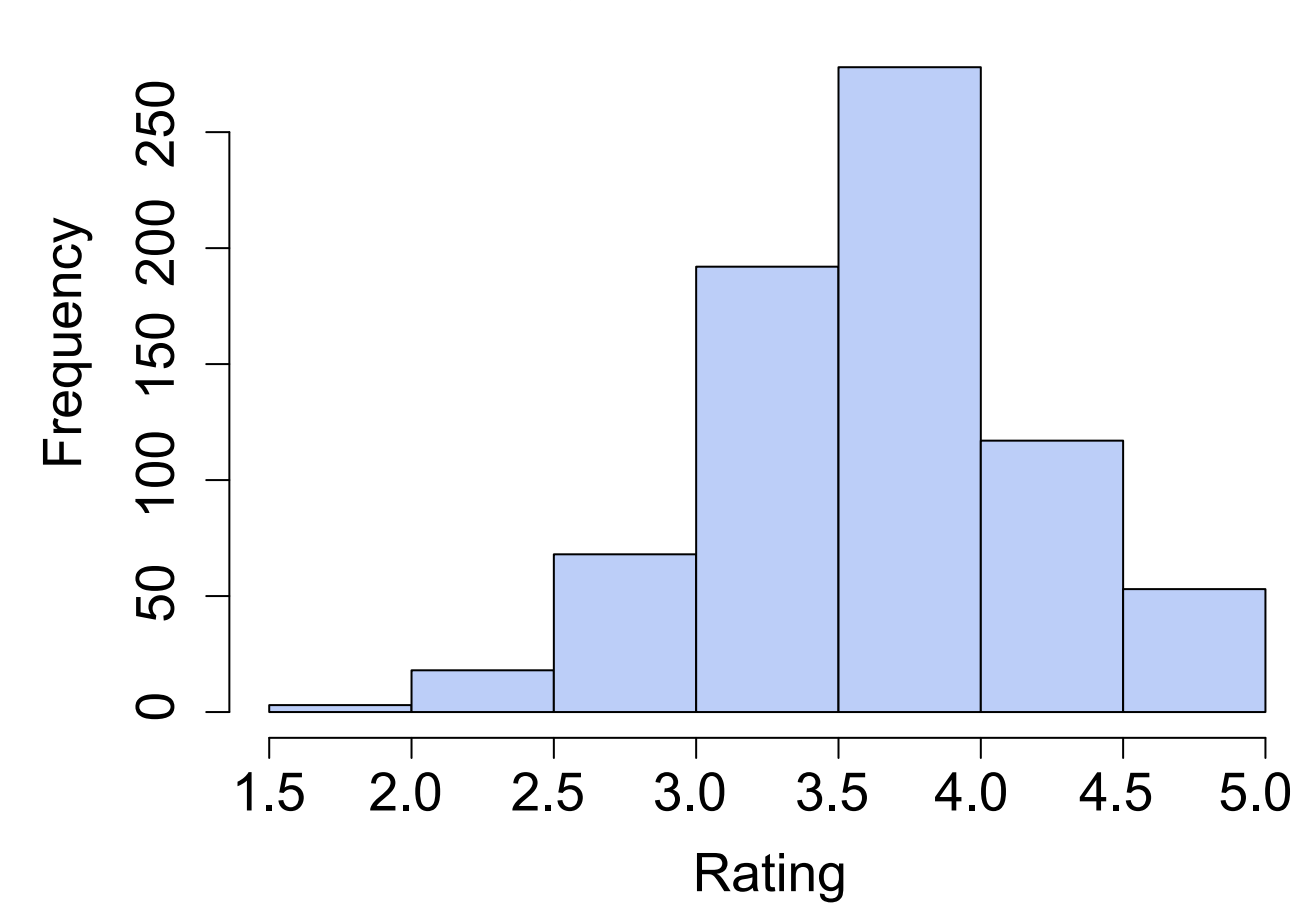
This dataset is about the job information of data scientists and data analysts in 2021, with a total of 742 rows and 42 columns.

What's the data distribution?

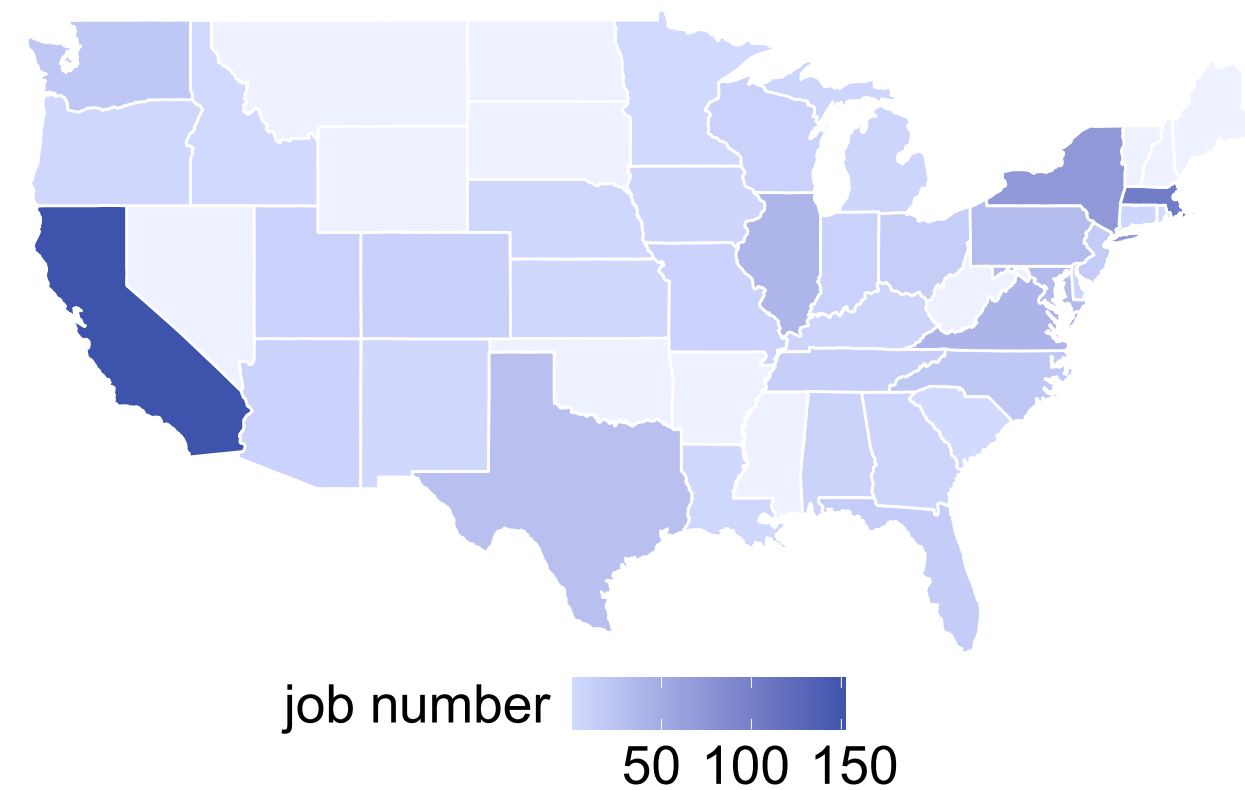
Frequency of Average Salary



Distribution of Rating



Number of Jobs by State



Most jobs are located in CA, MA, and NY states.

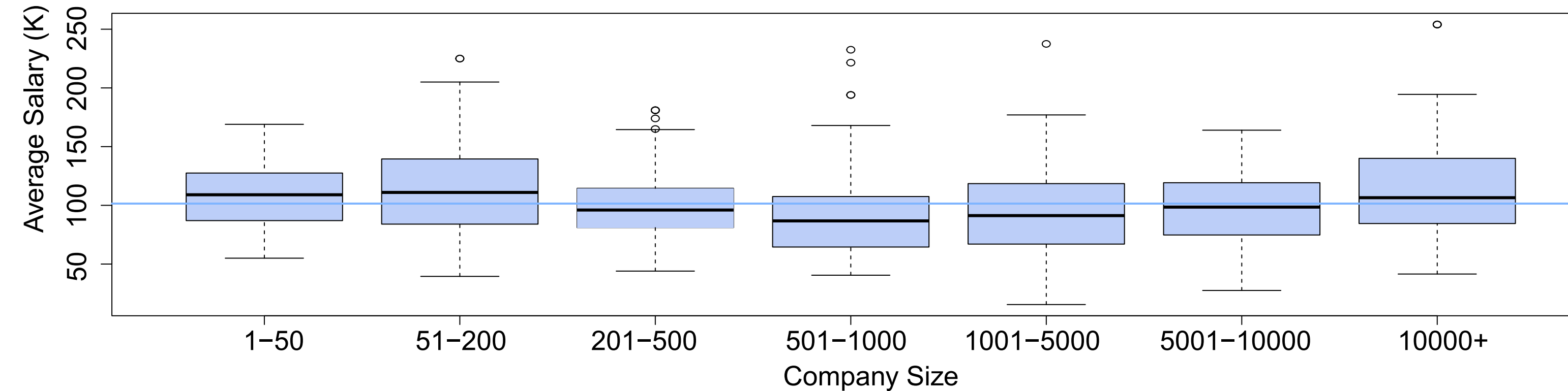
Code: <https://github.com/luguo15/IST719>
Data Source: <https://www.kaggle.com/datasets/nikhilbhatthi/data-scientist-salary-us-glassdoor>

Story

As master's students in Applied Data Science, we are aiming for jobs as data scientists. Knowing more about these positions can give us valuable insights for job search.

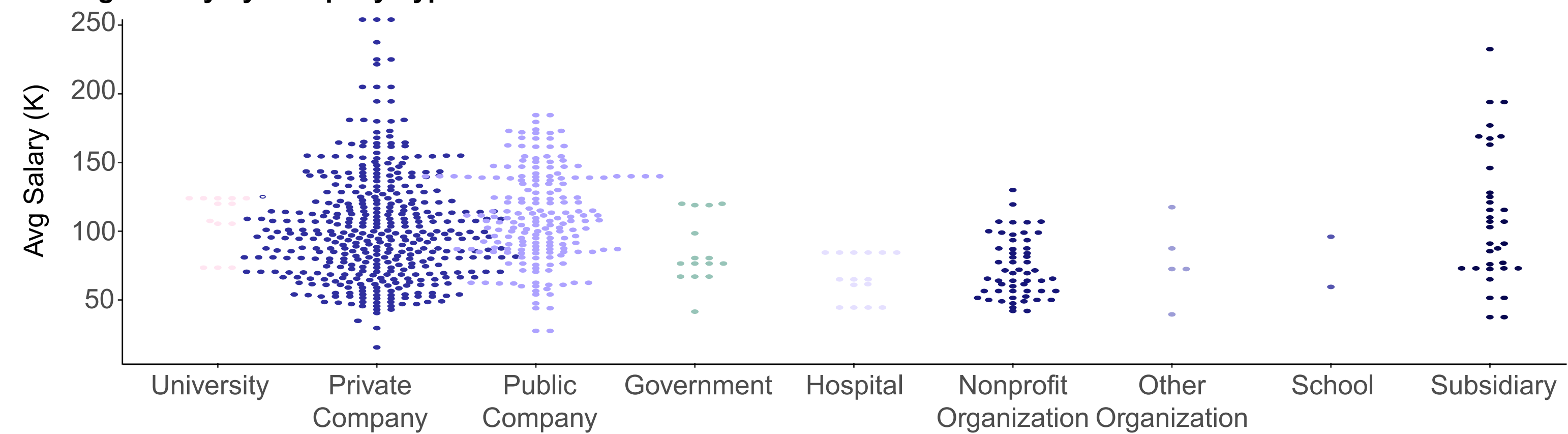
Key Question: What's the salary in different kinds of company?

Average Salary by Company Size



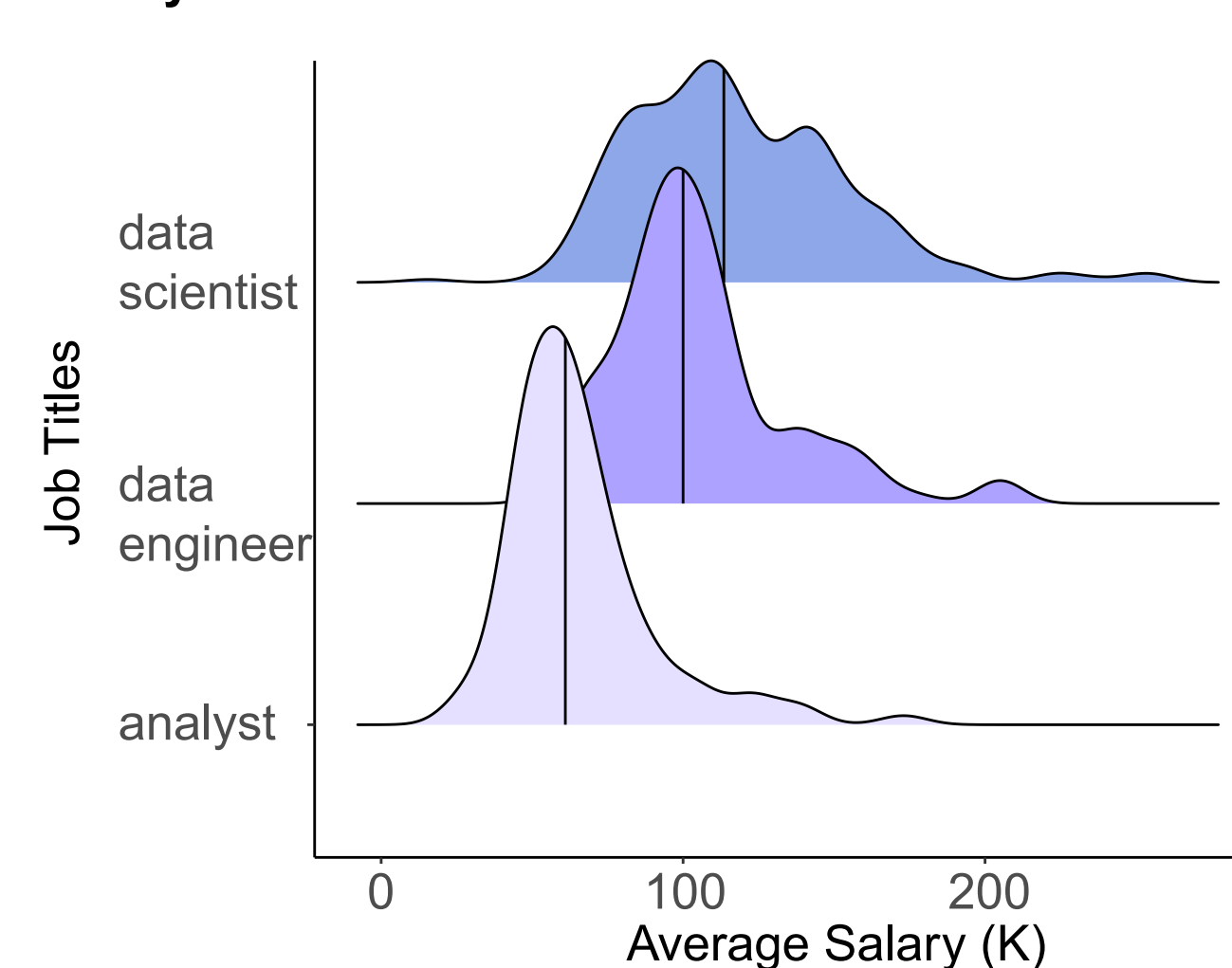
Companies with 51-200 employees offer top median salaries. Companies with 501-1000 employees offer the lowest median salaries.

Average Salary by Company Type



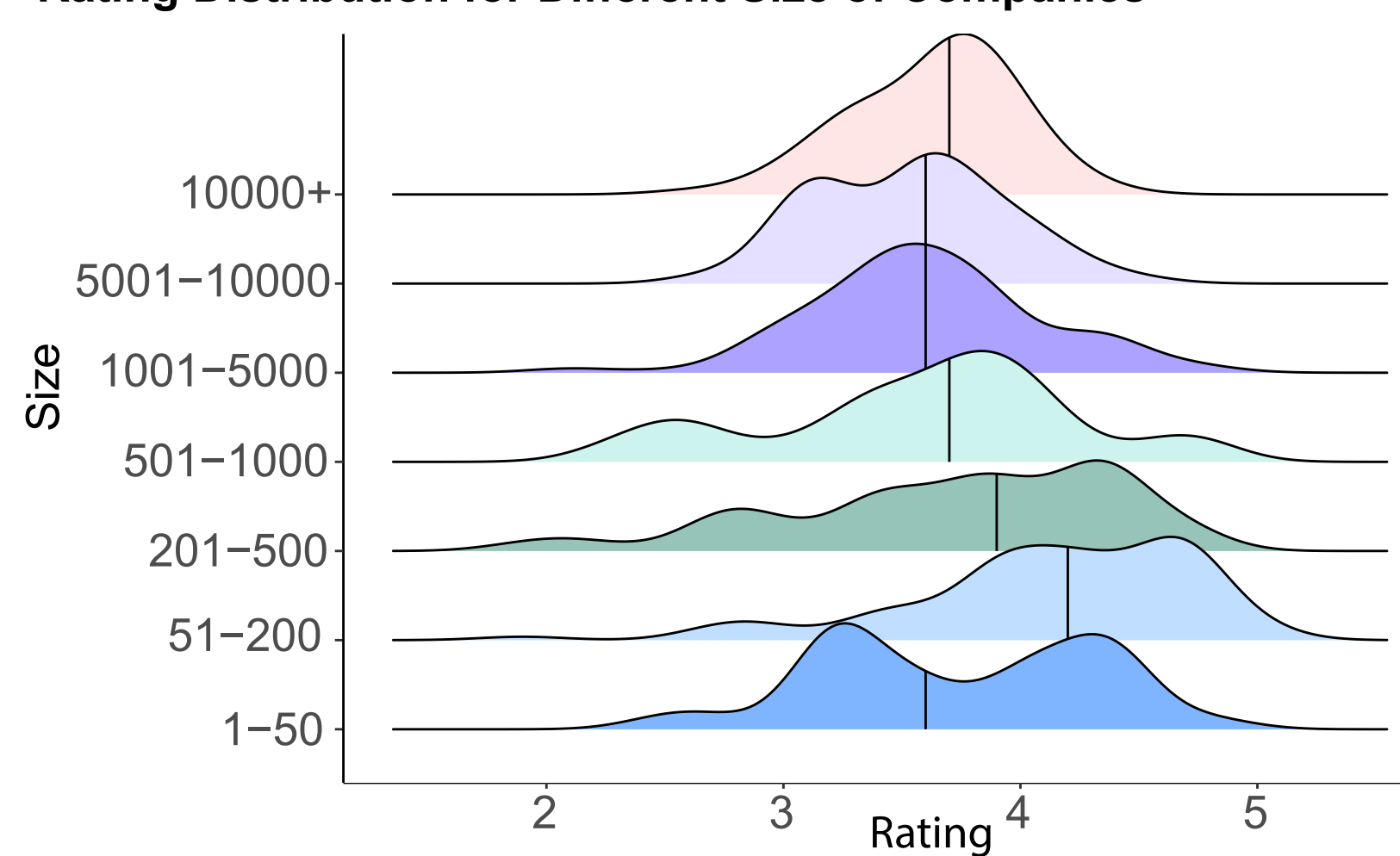
Most positions are offered by private and public companies. The subsidiary companies offer higher average salaries.

Salary Distribution for Different Job Titles



The average salary of data analysts, data engineers, and data scientists increases in order.

Rating Distribution for Different Size of Companies



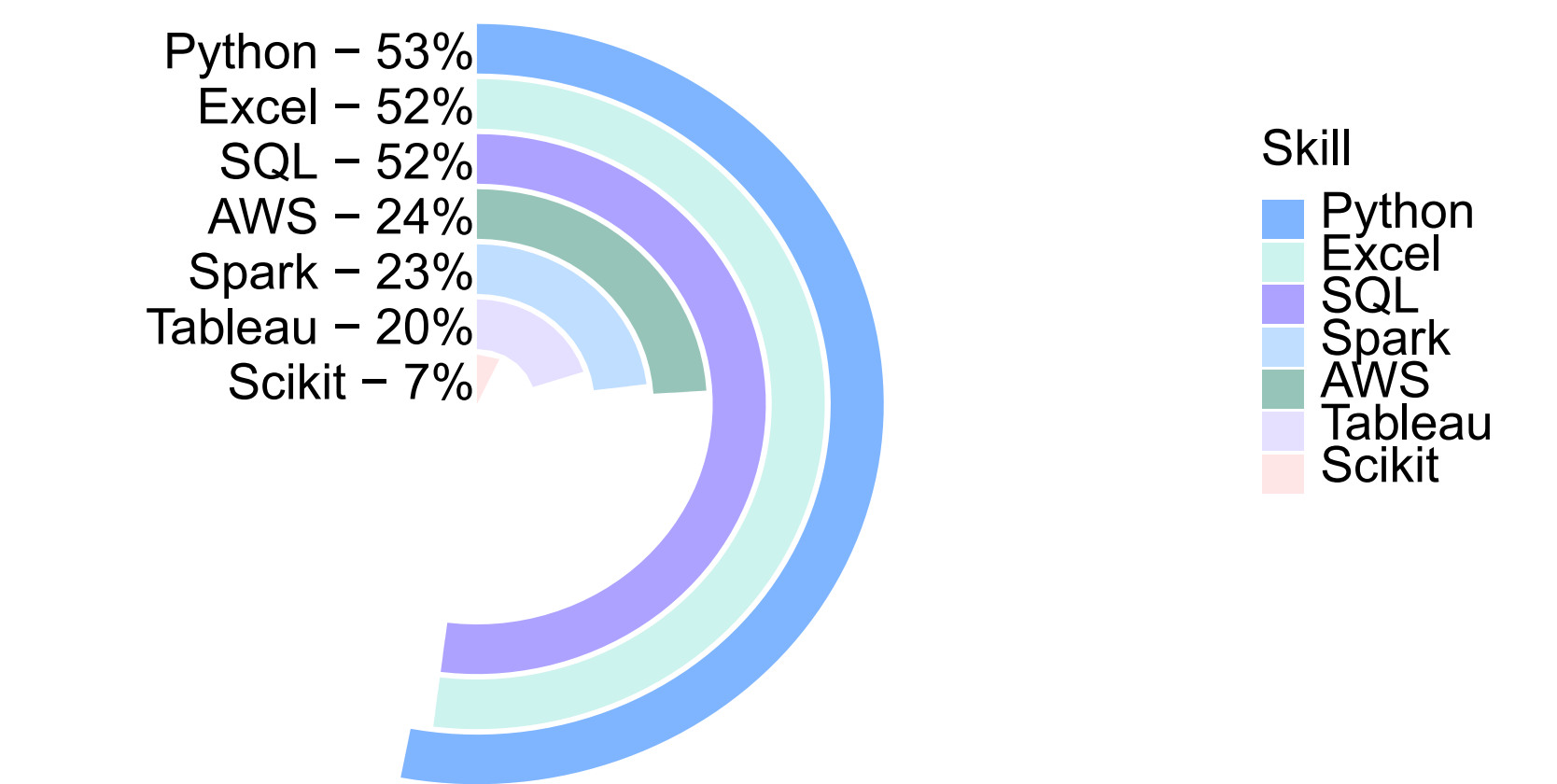
Companies with 51-200 employees receive the highest ratings. Companies with 1-50 employees receive the lowest ratings.

Motivation

Master students in Applied Data Science or other students who want to be an data analyst and data scientist are may be interested.

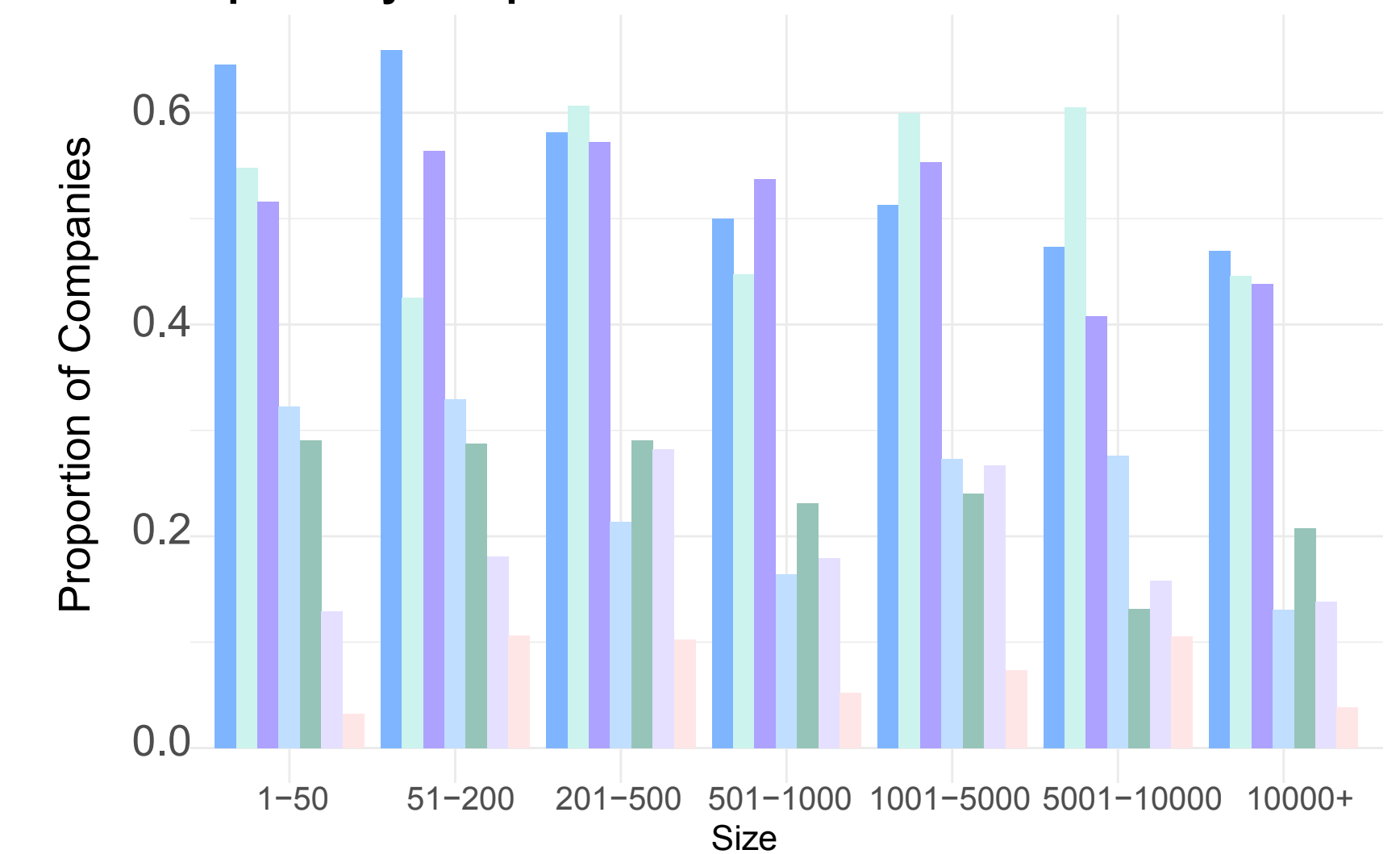
What skills are required?

Skills Required Proportion



Python, Excel, and SQL are important skills for data scientists. Some other skills are not listed due to data limitations.

Skills required by companies of different sizes



Skills required by different job title

