Milestone 1: Define Problem / Problem Understanding

Activity 1: Specify the business problem

The business problem is to analyse the data of different jobs provided by Glassdoor in order to help businesses and individuals understand the current job market trends, identify in-demand skills and experience, and understand how employers can improve their employer branding and reputation to attract and retain top talent.

Activity 2: Business requirements

The business requirements for this project are to:

* Collect and clean the Glassdoor jobs data
* Perform exploratory data analysis to identify key trends and patterns
* Develop data visualizations to communicate the findings to stakeholders
* Make recommendations for businesses and individuals based on the findings

Activity 3: Literature Survey (Student Will Write)

A literature survey for Data Analysis of Glassdoor Jobs would involve reviewing existing research on the following topics:

* Job market trends
* In-demand skills and experience
* Employer branding and reputation

The literature survey would help to identify the key research questions that need to be addressed by the project, as well as the best methods for analysing the Glassdoor jobs data.

Activity 4: Social or Business Impact

Social Impact: This project can help job seekers make more informed decisions about their careers and negotiate for better compensation and working conditions. This can ultimately contribute to greater economic mobility and reduce income inequality.

Business Model/Impact: It can help to improve retention rates, reduce turnover costs, and increase productivity. An analysis of Glassdoor jobs can provide insights into what employee's value most, helping employers to create a better work environment that attracts and retains top talent.

Milestone 2: Data Collection & Extraction from Database

Data collection is the pivotal process of systematically gathering and measuring information on variables of interest. This process enables researchers to address specific research questions, test hypotheses, evaluate outcomes, and extract valuable insights from the collected data.

Activity 1: Collect the dataset

Please use the following link to download the dataset: https://drive.google.com/file/d/1qBEw4_AfqozL73NyCkQW3ZvFOhok6d-_/view

Activity 1.1: Understand the data

The dataset available for this project is named `Employee_Performance_Data.csv`.

Description for Employee_Performance_Data.csv:

The file `Employee_Performance_Data.csv` is a comprehensive dataset containing 800 rows. Each row represents an employee's performance data within an organization. The columns in this dataset are as follows:

* **`Employee ID`:** A unique identifier for each employee.
* **`Employee Name`:** The name of the employee.
* **`Department`:** The department in which the employee works.
* **`Position`:** The job position or title of the employee.
* **`Years of Service`:** The number of years the employee has served in the organization.

* **`Performance Rating`:** The performance rating assigned to the employee.

* **`Salary`:** The salary of the employee.

* **`Gender`:** The gender of the employee.

* **`Education Level`:** The highest level of education achieved by the employee.

* **`Work Location`:** The location of the employee's workplace.

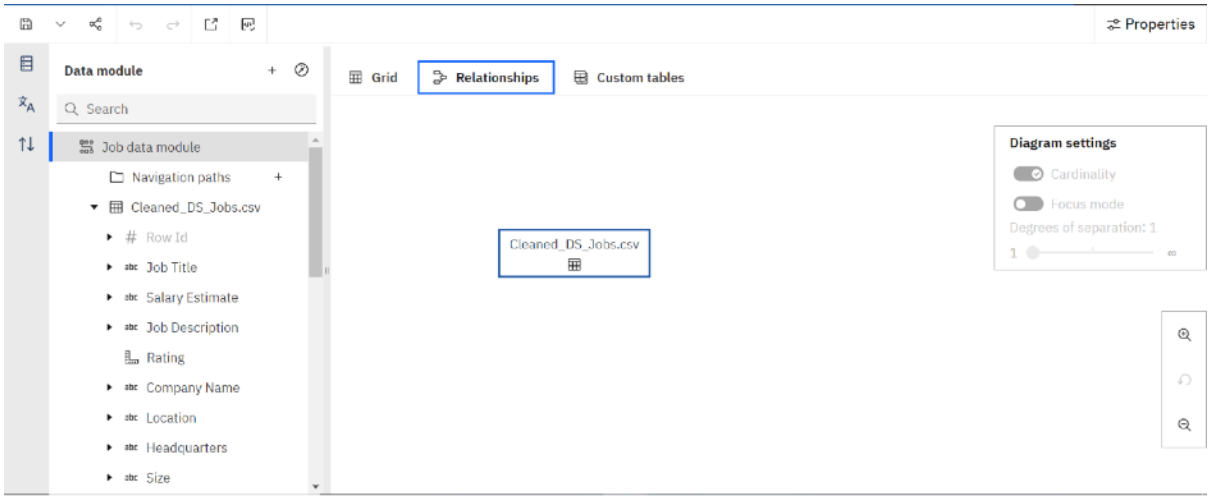
* **`Employment Status`:** The employment status of the employee (e.g., full-time, part-time).

* **`Manager's Name`:** The name of the employee's manager.

* **`Work Schedule`:** The work schedule of the employee (e.g., regular, shift).

Milestone 3: Data Preparation:

Data analysis is a key skill for the future of work. As businesses rely more on data to make informed decisions, the demand for data analysts will continue to grow. Glassdoor data can be used to analyze the future of work in various ways, such as:



Milestone 4: Data Visualization:

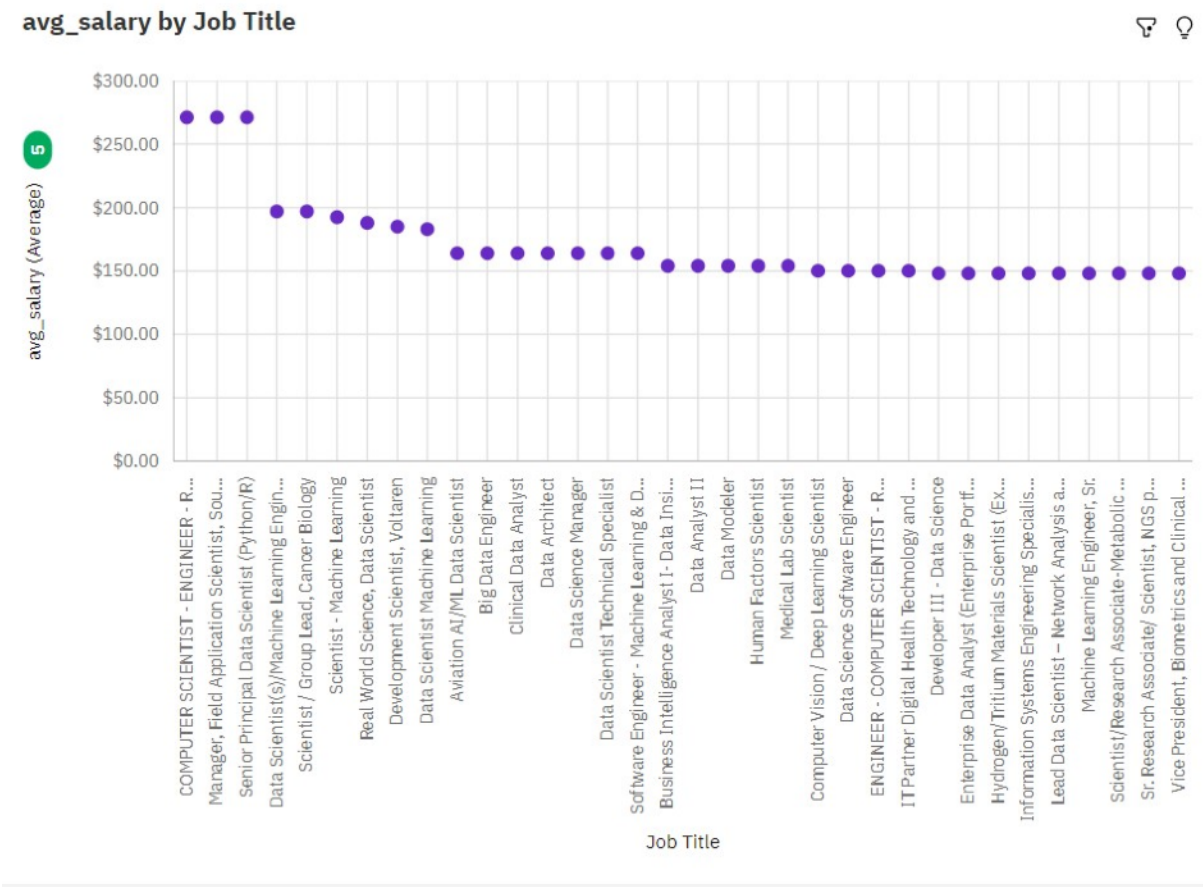
Data visualization plays a crucial role in analyzing Glassdoor job data to uncover insights into the future of work. By transforming complex data into visually compelling charts, graphs, and maps, we can effectively identify patterns, trends, and outliers that would otherwise remain hidden within vast datasets

Through data visualization, we can gain a deeper understanding of the evolving job landscape and prepare for the challenges and opportunities that lie ahead.

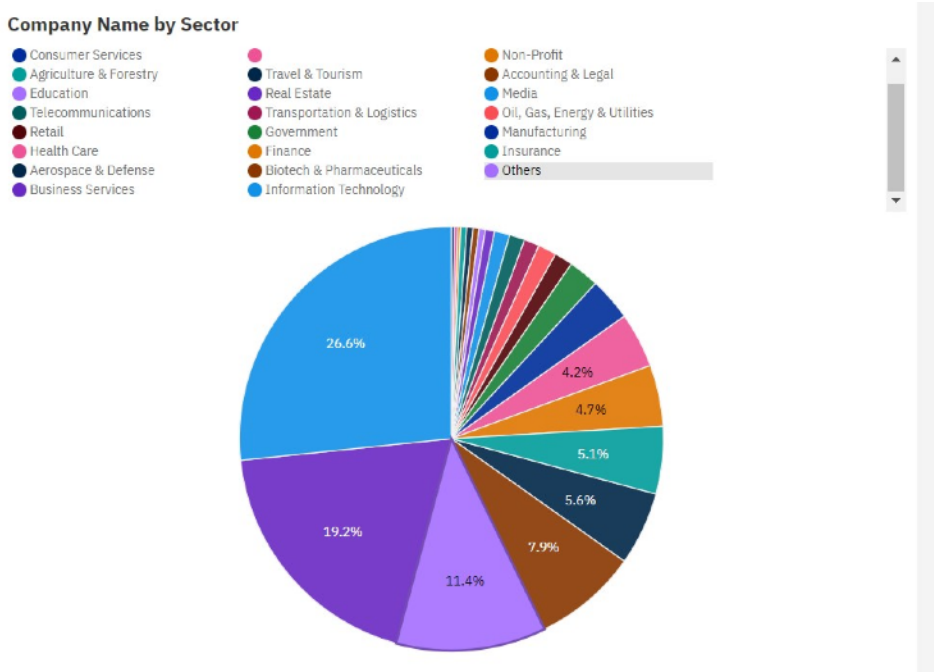
Activity 1: No of Unique Visualizations

The number of unique visualizations that can be created with a given dataset. Some common types of visualizations that can be used to analyse the Literacy include bar charts, line charts, heat maps, scatter plots, pie charts, Maps etc. These visualizations can be used to compare performance, track changes over time, show distribution, and relationships between variables, breakdown of revenue and customer demographics, workload, resource allocation and location of hotels

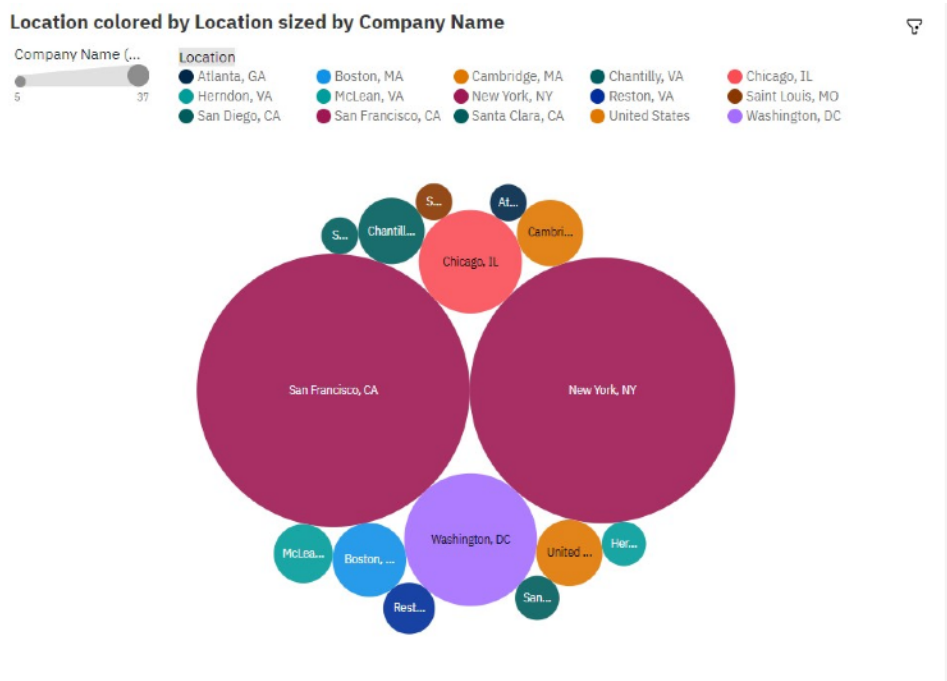
Activity 1.1: What is the salary trend for a particular job title?



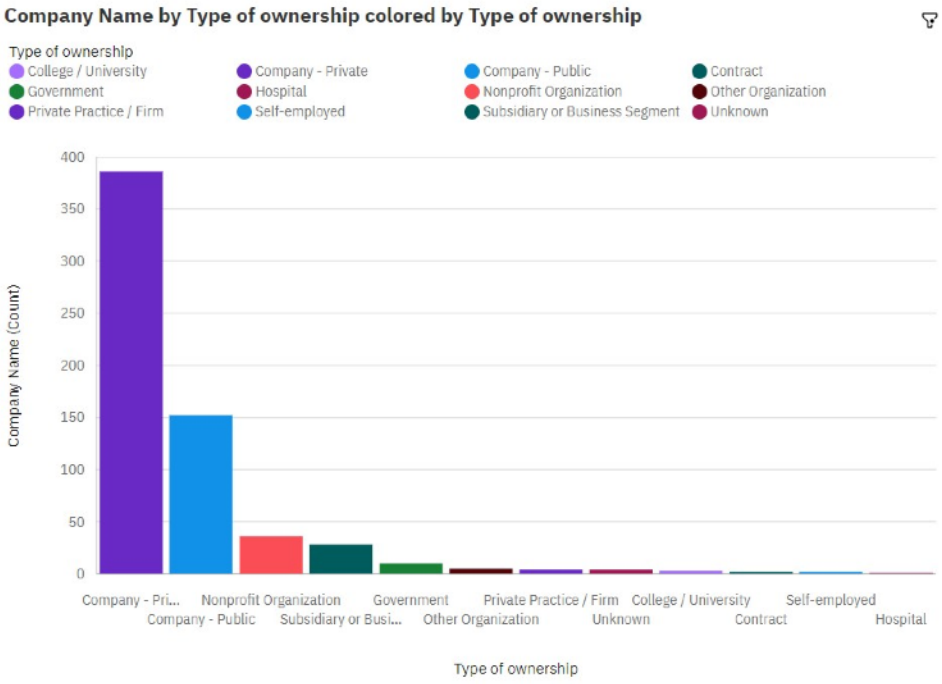
Activity 1.2: No of companies belonging to different Sector



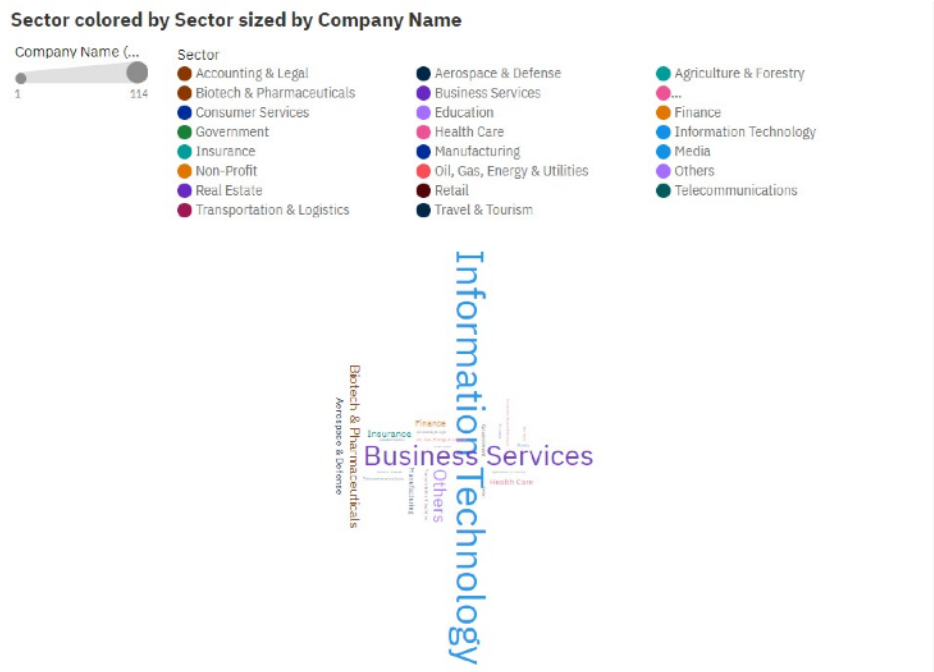
Activity 1.3: How many companies belong to the particular location?



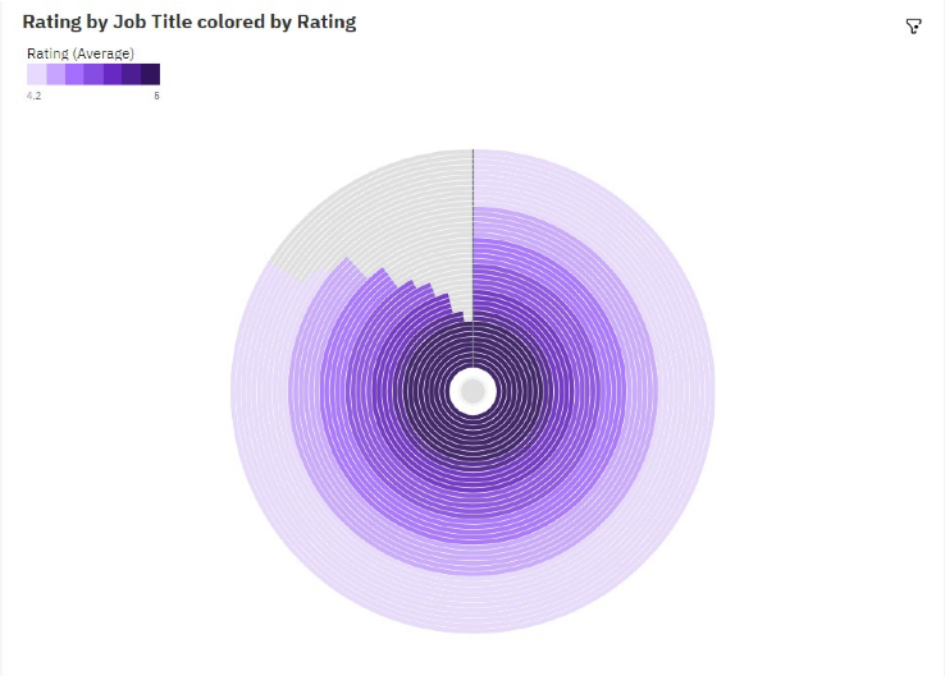
Activity 1.4: What's the distribution of companies according to the type of owner?



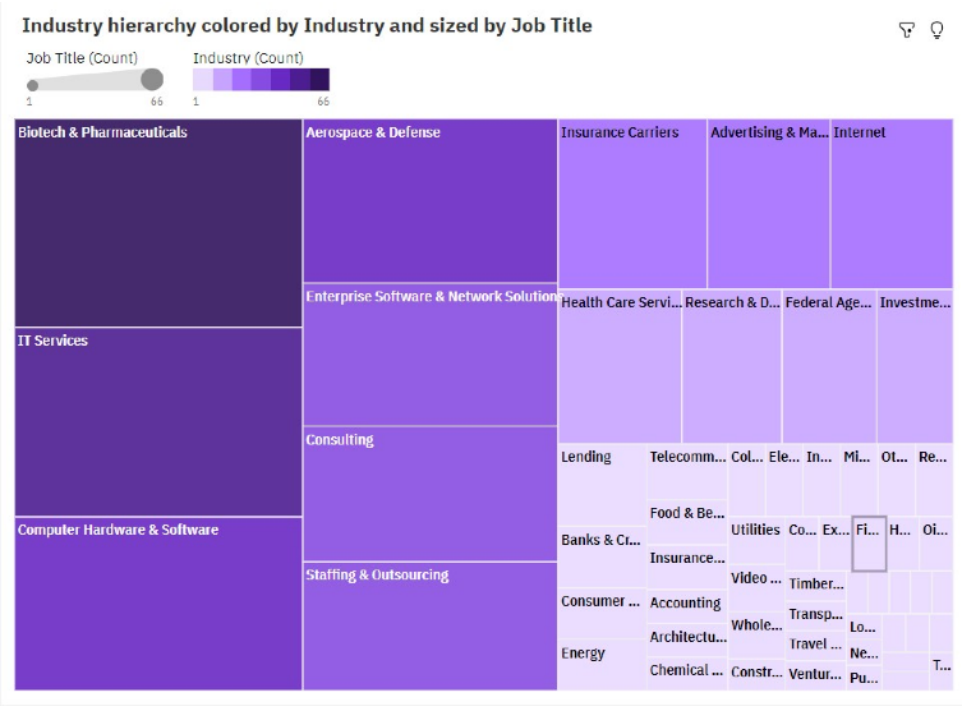
Activity 1.5: Most popular sector on glassdoor for data science domain



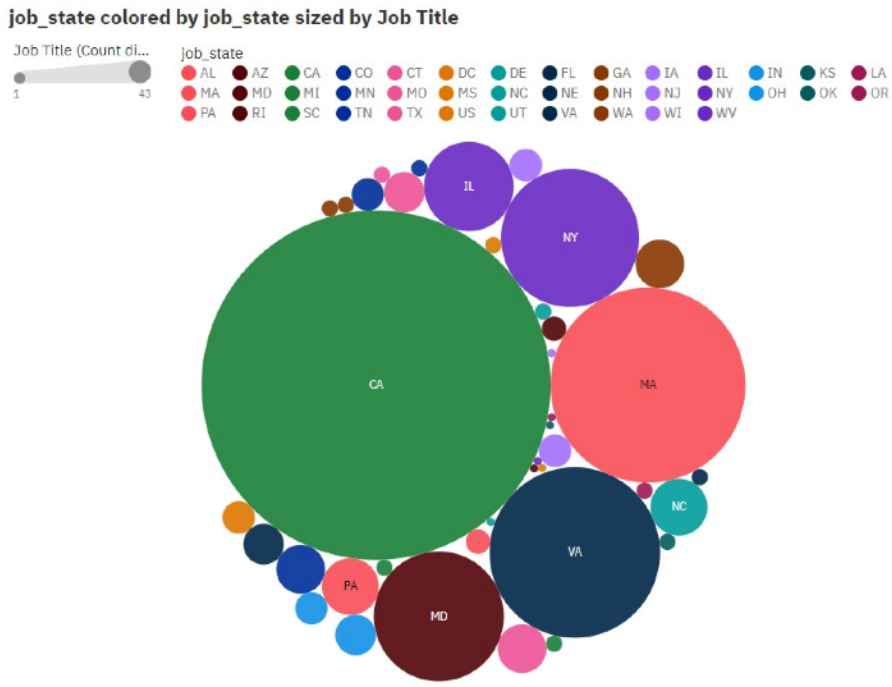
Activity 1.6: Top 10 rated jobs



Activity 1.7: Which Industry is offering more job roles?



Activity 1.8: Which state is providing more opportunities?

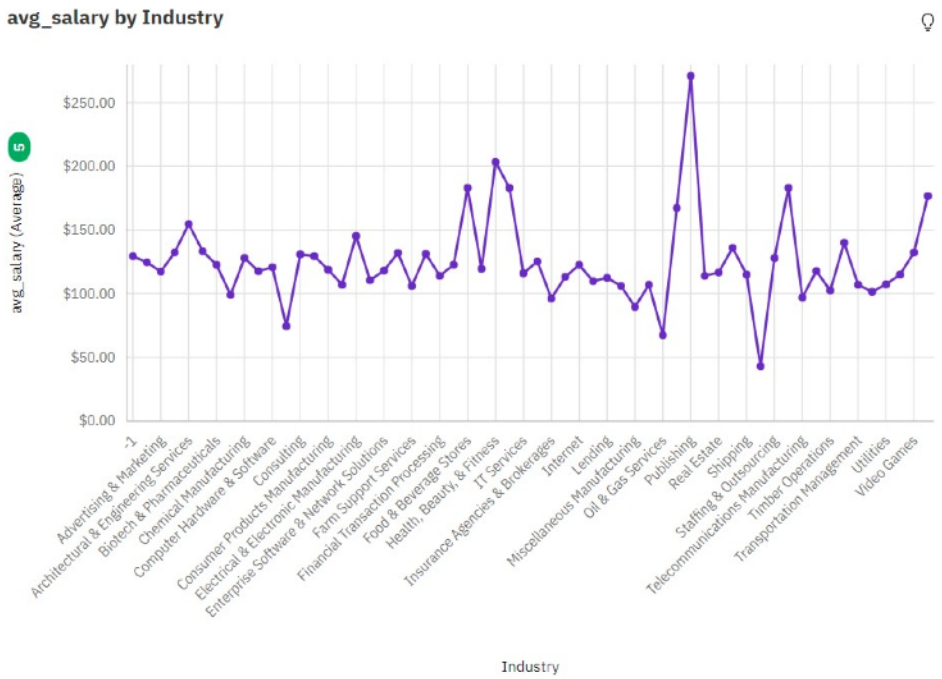


Activity 1.9: Show job titles from different category

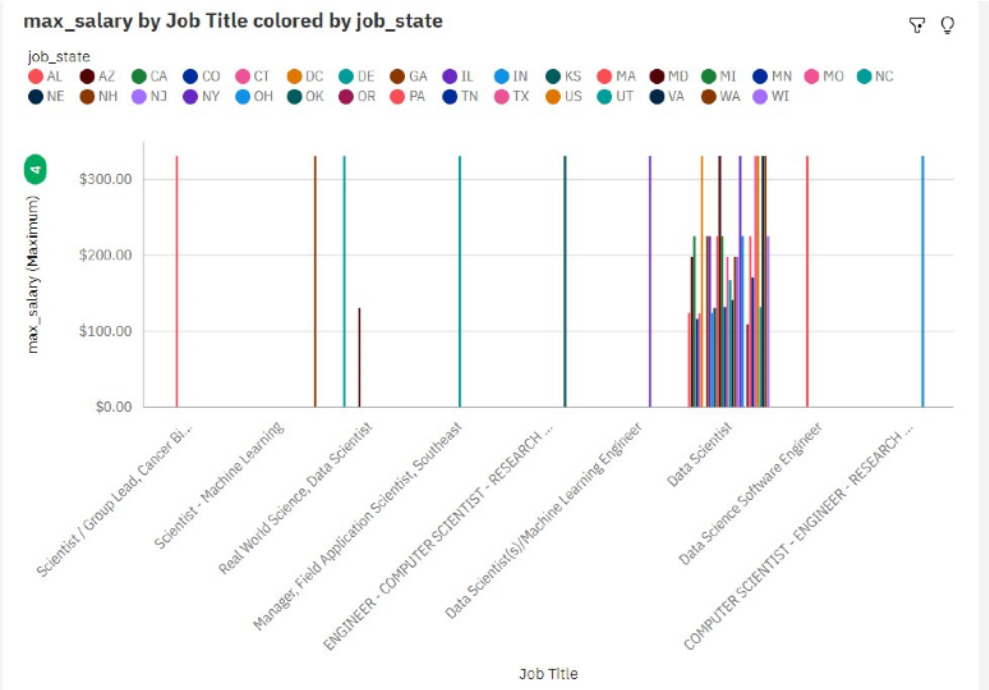
job_simp and Job Title

job_simp	Job Title
analyst	Analytics - Business Assurance Data An...
	Business Data Analyst
	Business Intelligence Analyst
	Business Intelligence Analyst I- Data In...
	Clinical Data Analyst
	Data Analyst
	Data Analyst - Unilever Prestige
	Data Analyst I
	Data Analyst II
	Data Analyst/Engineer

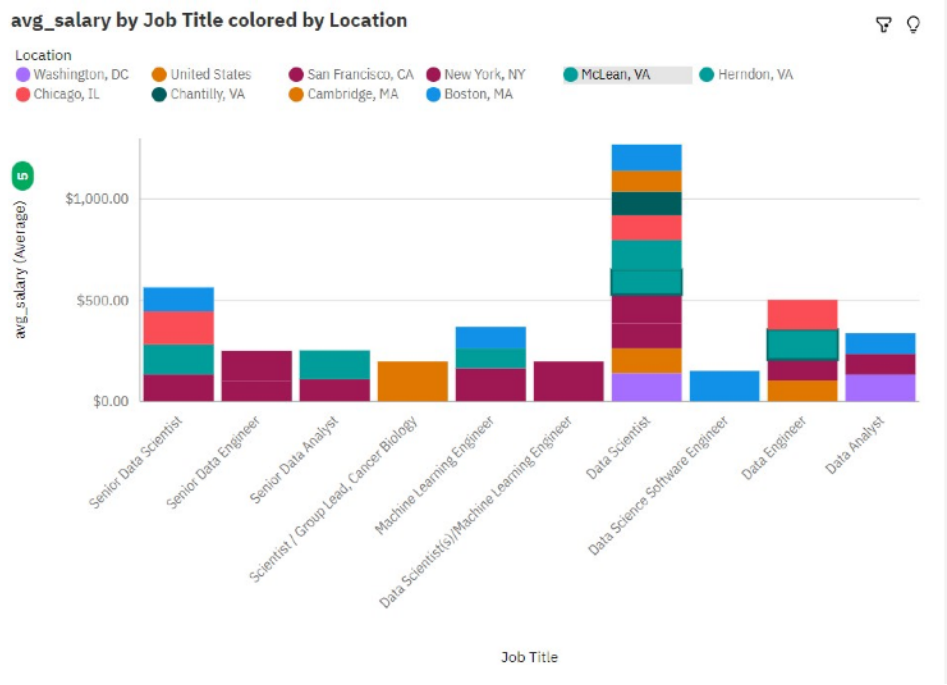
Activity 1.10: Compare salary trend of different industry



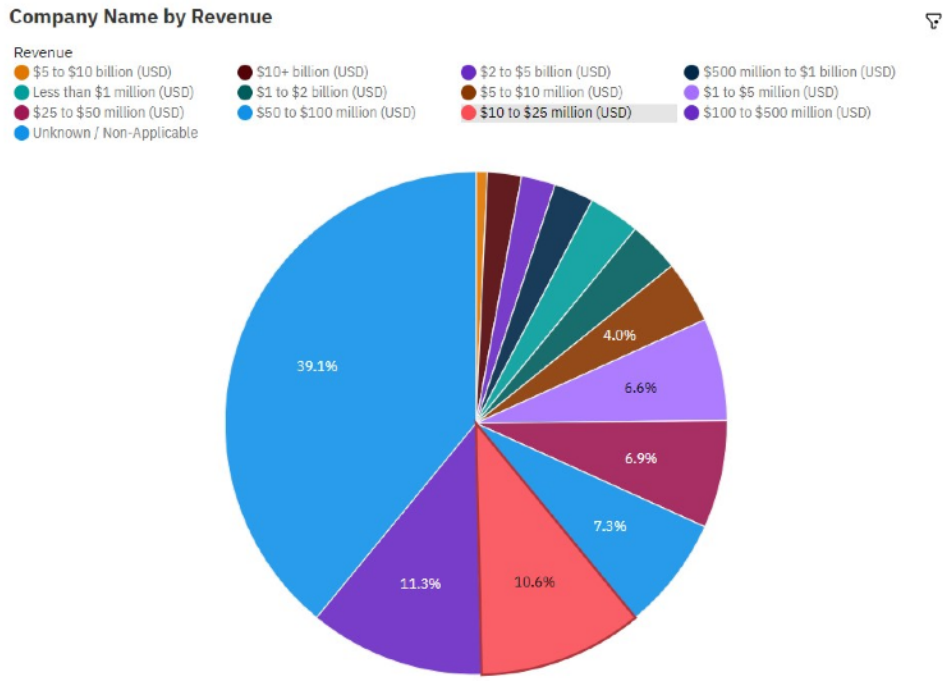
Activity 1.11: Top 10 highest paying jobs from different states



Activity 1.12: What is the avg salary of a Job Title belonging from particular Location?



Activity 1.13: What is the revenue generated by companies that falls under a particular category of ownership?



Milestone 5: Dashboard

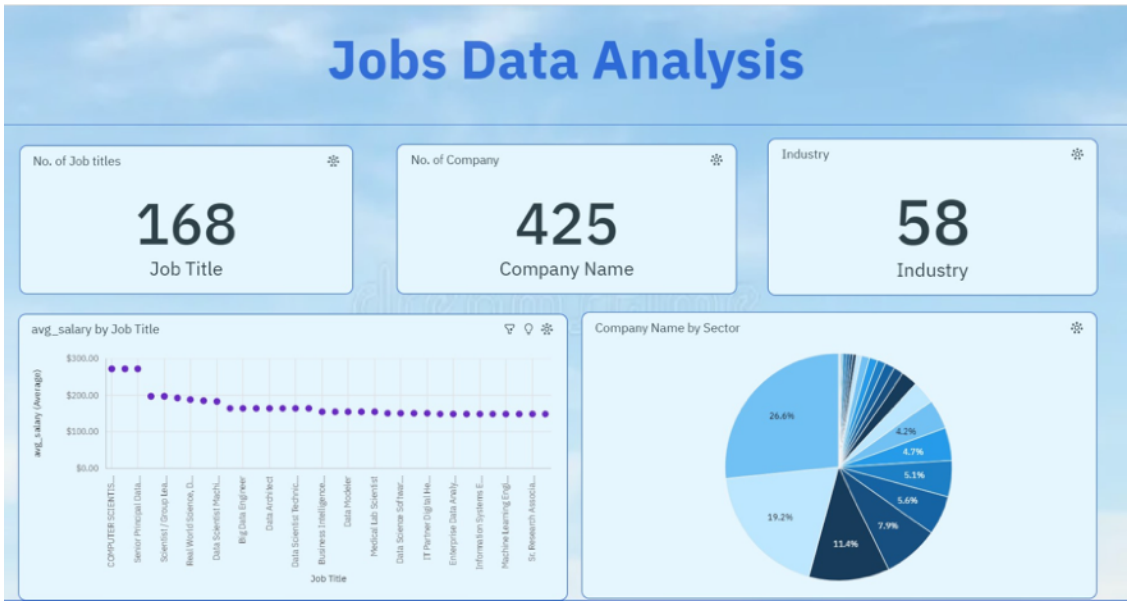
Dashboards for the Future of Work: Analysis of Glassdoor Jobs

Dashboards are a powerful tool for analysing Glassdoor jobs and the future of work. By visualizing Glassdoor data on a dashboard, businesses can quickly and easily identify trends and patterns in job postings, skills and qualifications in demand, and the competitiveness of different job markets. This information can be used to make better decisions about hiring, training, and development, as well as to identify and prepare for emerging trends in the workforce.

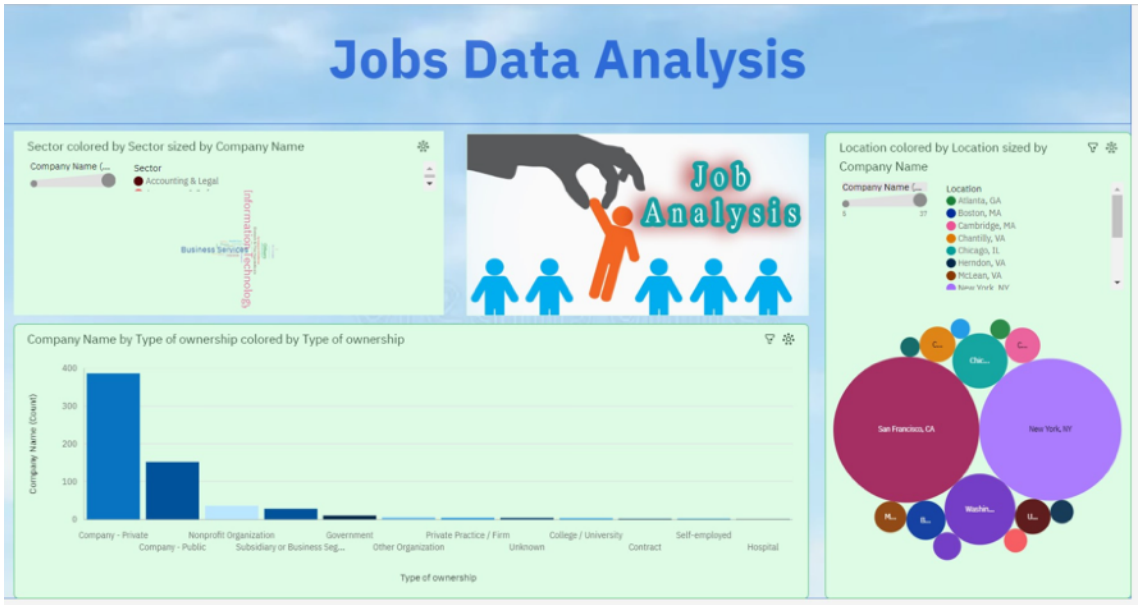
Activity :1- Responsive and Design of Dashboard

The responsiveness and design of a dashboard for data-driven insights on the future of work is crucial to ensure that the information is easily understandable and actionable.

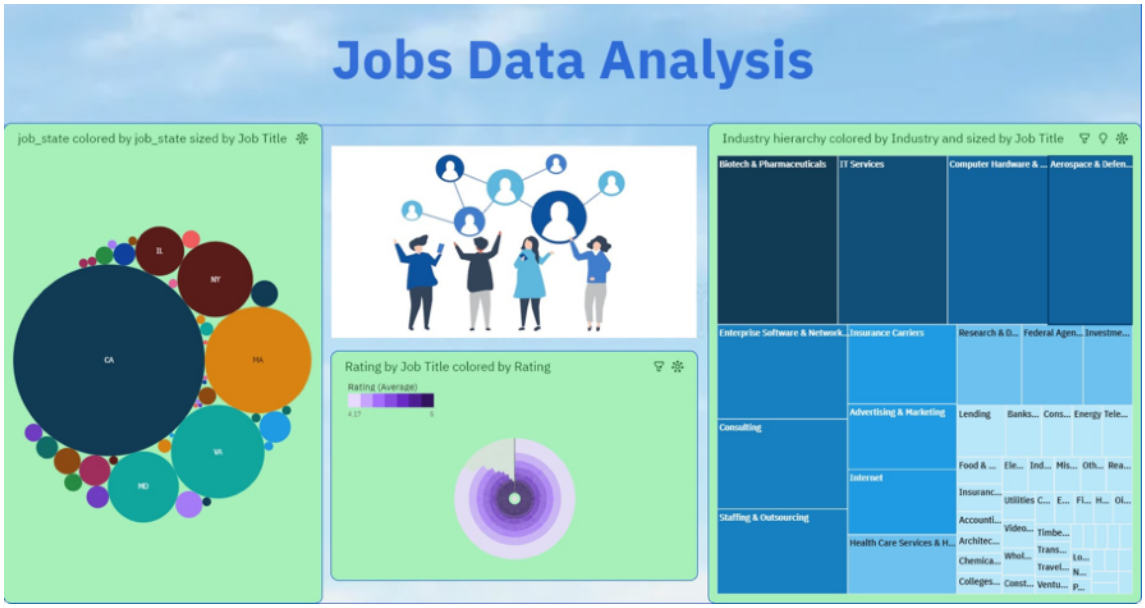
OVERVIEW:



COMPANY:



JOB TITLE:



JOBS ANALYSIS:

Milestone 6: Story

Data Stories for the Future of Work: Analysis of Glassdoor Jobs

Data stories are a powerful tool for communicating insights from Glassdoor data and the future of work. By telling data stories, businesses can make complex data more accessible and engaging, and help stakeholders to understand the implications of the data for their organization.

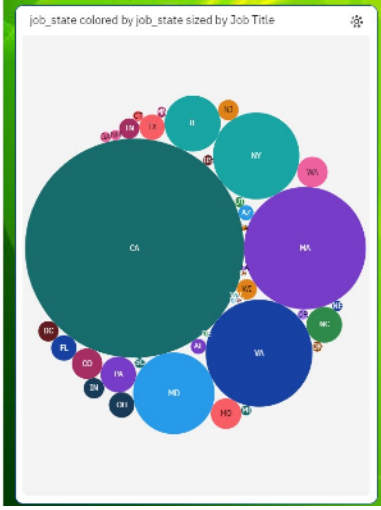
Activity:1- No of Scenes of Story

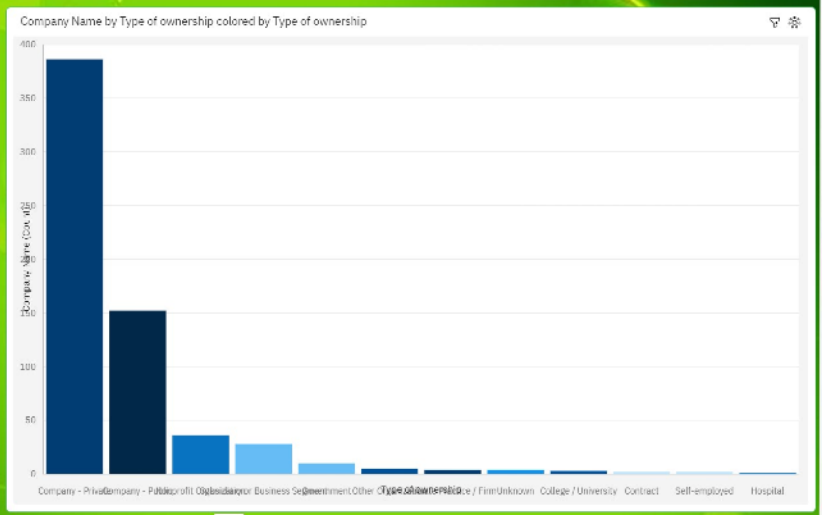
The number of scenes in a storyboard for data-driven insights on the future of work will depend on the complexity of the analysis and the specific insights that are trying to be conveyed. A storyboard is a visual representation of the data analysis process and it breaks down the analysis into a series of steps or scenes.

The Future Of Work: Data Analysis Of Glassdoor Jobs

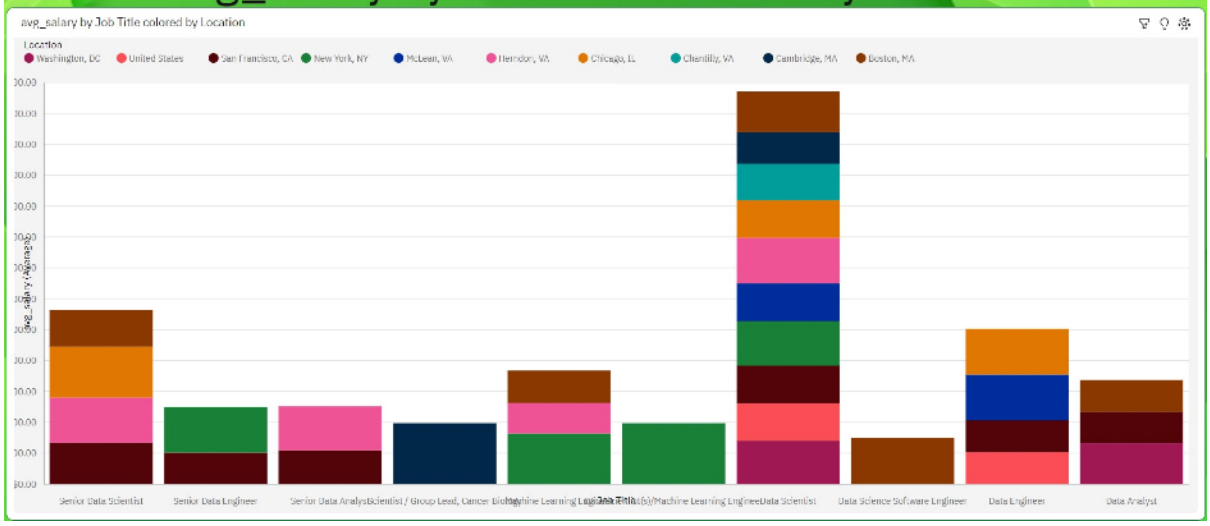
- Data analysts collect, clean, and analyze data to help businesses make better decisions.
- Data analysts work in a variety of industries, including healthcare, finance, and technology.
- Glassdoor data shows that the average salary for data analysts is $90,000, making it a well-paying career.

Job state and Company name

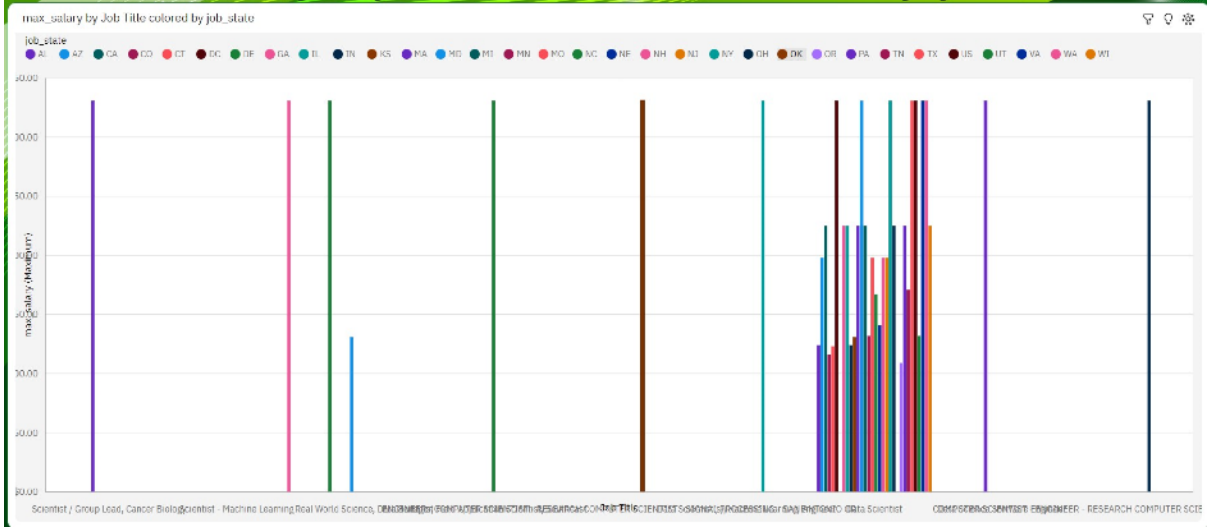




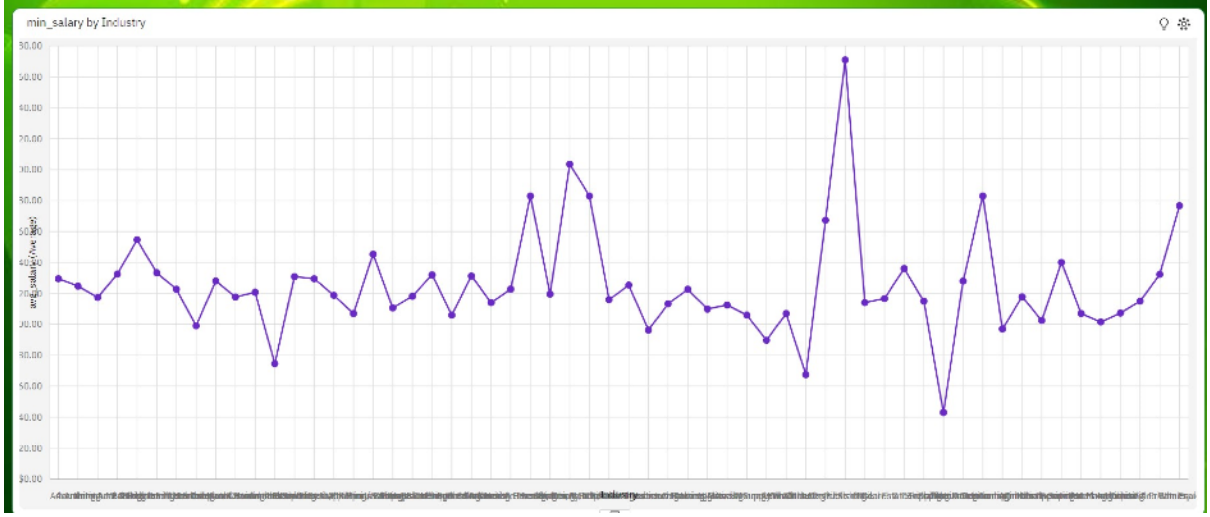
Avg_salary by Job Title colored by Location



Max_salary by Job Title colored by job_state

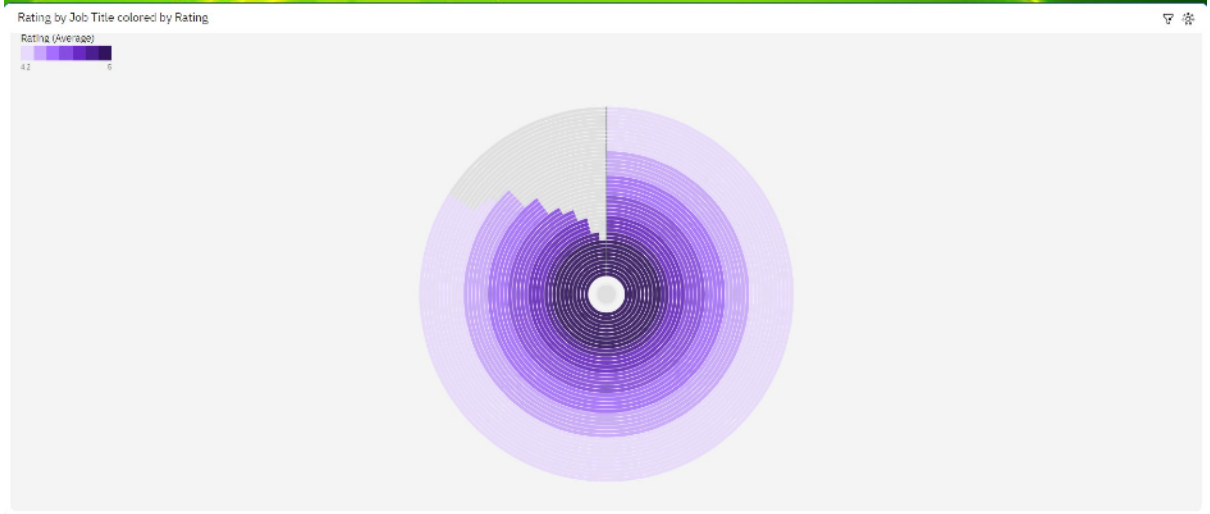


Min_salary by Industry



Industry hierarchy colored by Industry and sized by Job Title

Rating by Job Title colored by Rating



Avg_salary by Job Title

Sector colored by Sector sized by Company Name

job_simp and Job Title

job_simp and Job Title

job_simp	Job Title
analyst	Analytics - Business Assurance Data Analyst
	Business Data Analyst
	Business Intelligence Analyst
	Business Intelligence Analyst I- Data Insights
	Clinical Data Analyst
	Data Analyst
	Data Analyst - Unilever Prestige
	Data Analyst I
	Data Analyst II
	Data Analyst/Engineer
	Data Science Analyst
	Diversity and Inclusion Data Analyst
	E-Commerce Data Analyst
	Enterprise Data Analyst (Enterprise Portfolio Management Office)
	Equity Data Insights Analyst - Quantitative Analyst
	Global Data Analyst

Milestone 7: Report

A Data Analytics Report on the Future of Work Using Glassdoor Jobs

This report provides insights into the future of work using data from Glassdoor, a website where people can post and read reviews of companies and jobs. The report analyzes job postings, employee reviews, and salary data to identify key trends in the workforce.

Activity:1- No of Visualization with detail information

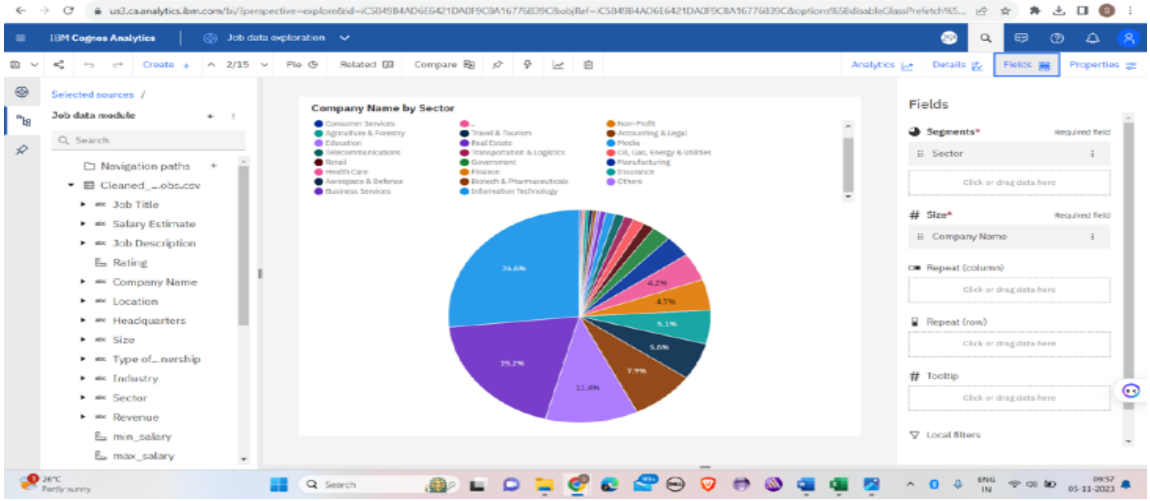
When creating a report in Cognos to analyze Glassdoor data on the future of work, it is often helpful to include visualizations to help communicate the findings of the analysis. Visualizations can make complex data more accessible and engaging, and can help stakeholders to understand the implications of the data for their organization.

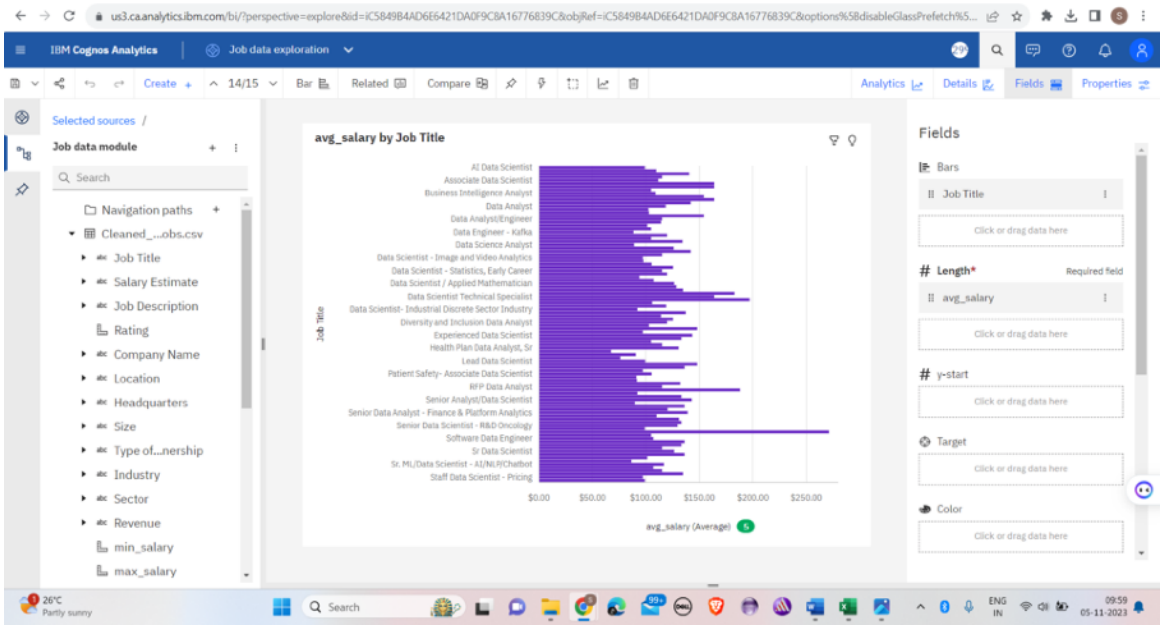
Milestone 8: Performance Testing(Not Applicable)

Activity 1: Amount of Data Rendered to DB2

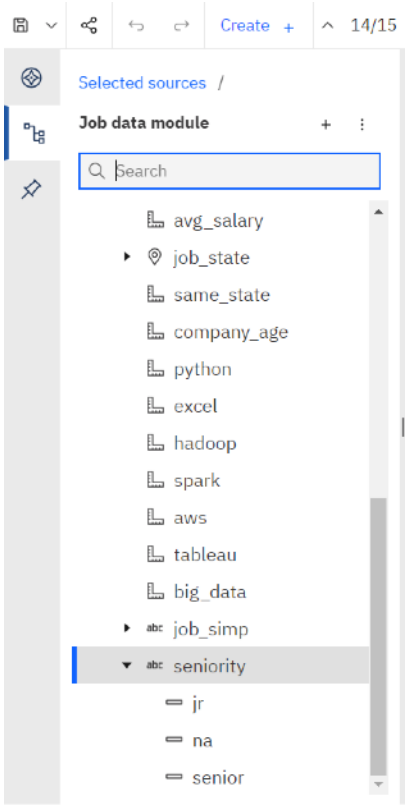
The amount of data that is rendered to a database depends on the size of the dataset and the capacity of the database to store and retrieve data.

Activity 2: Utilization of Data Filters





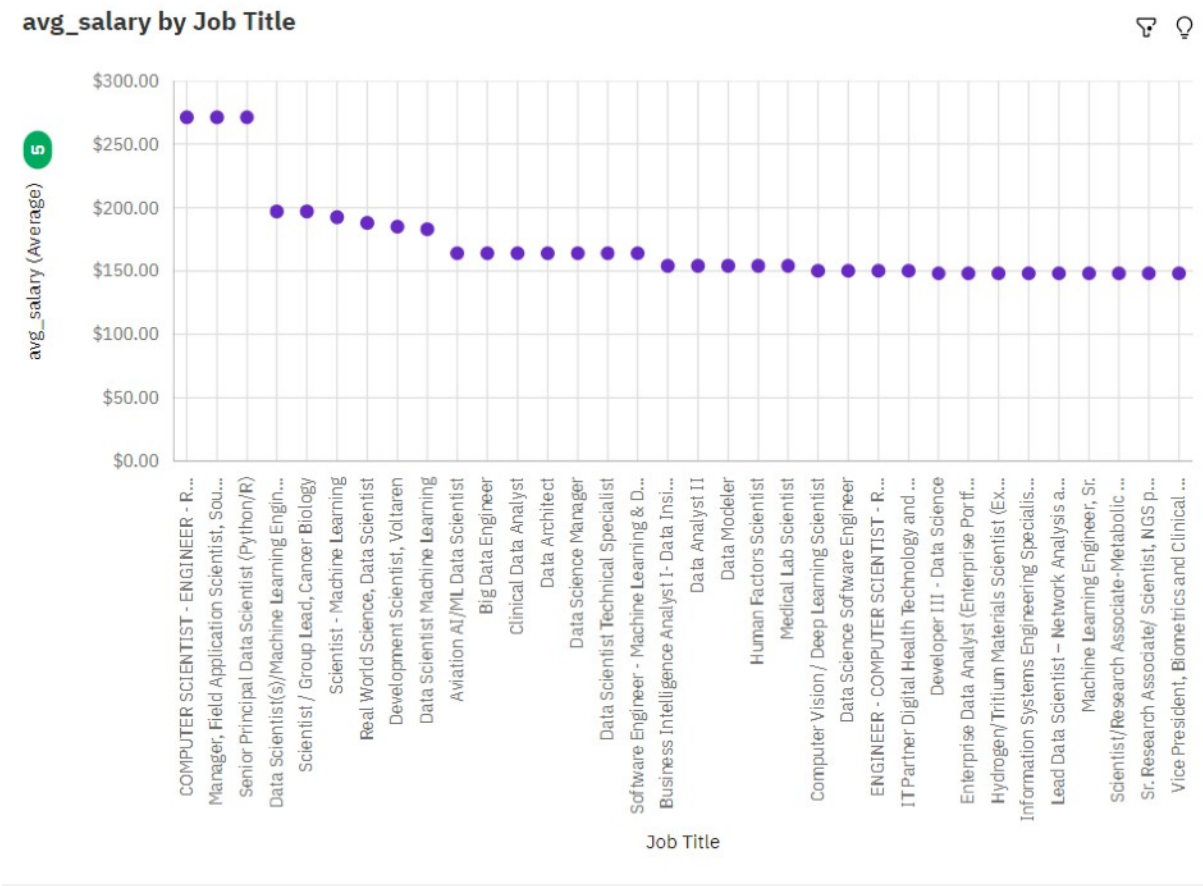
Activity 3: No of Calculation Fields



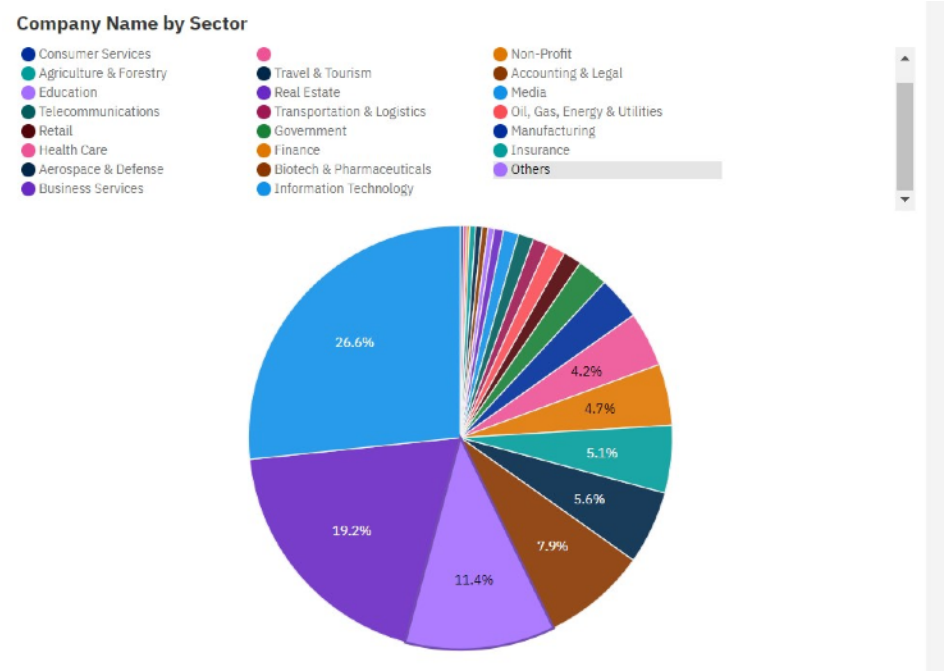
Seniority_Level is the calculated column and the calculation is in below given screenshot

Activity 4: No. of Visualizations/ Graphs

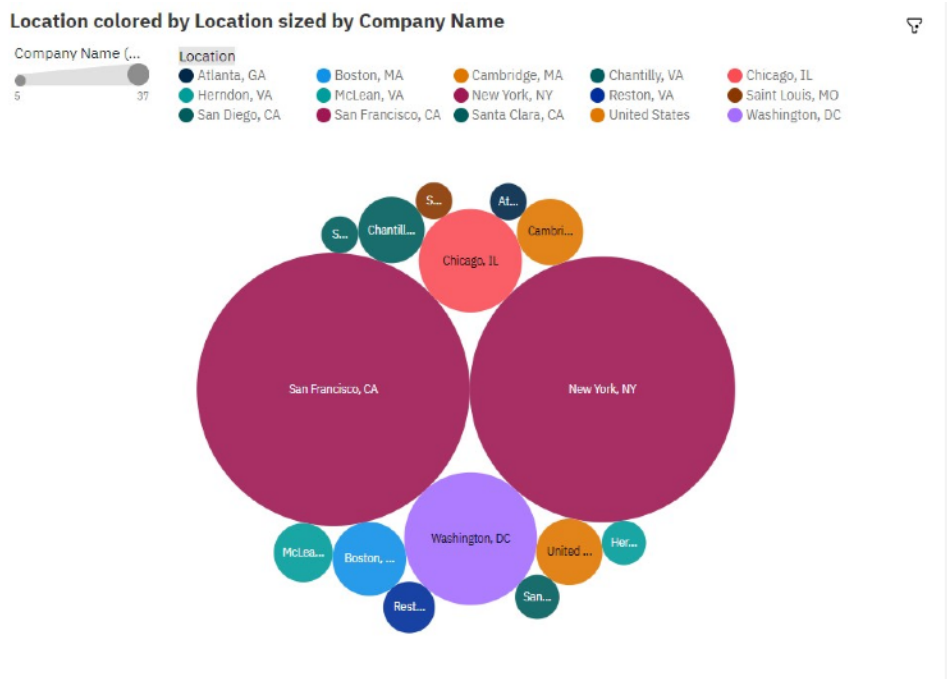
1:What is the salary trend for a particular job title?



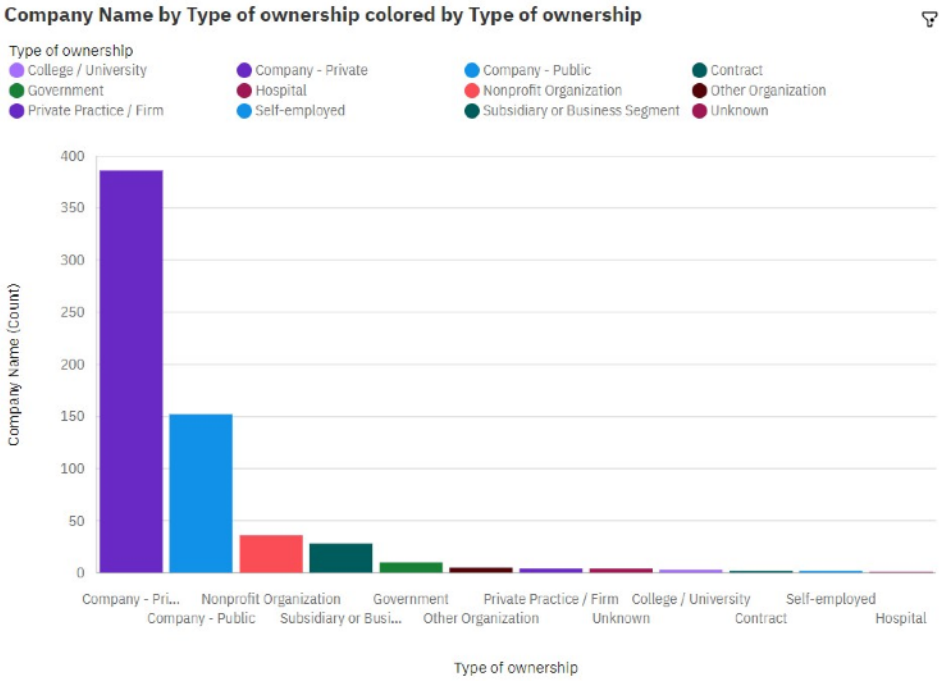
2:No of companies belonging to different Sector



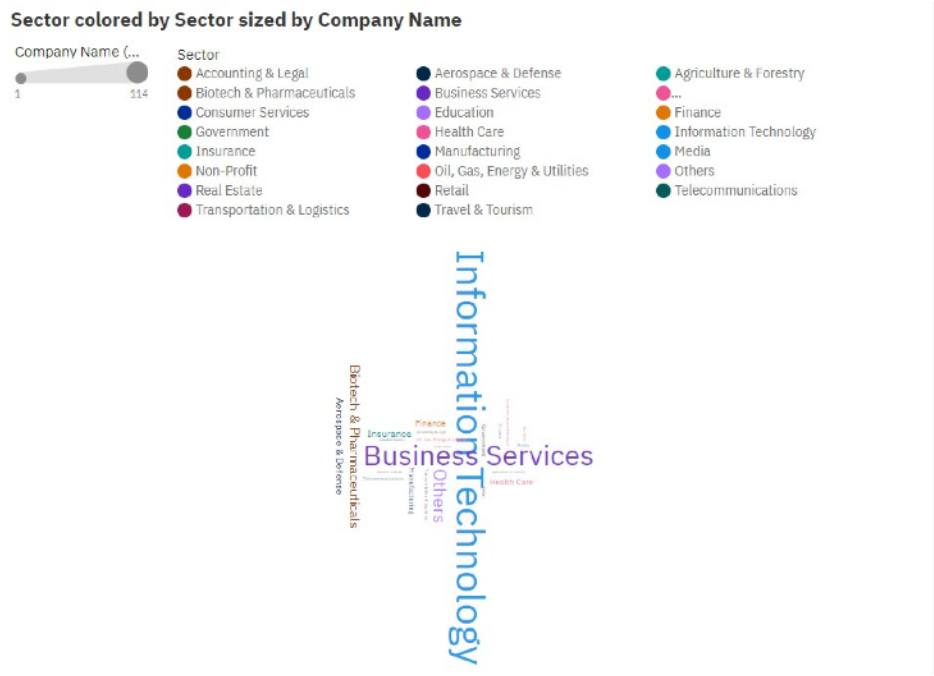
3: How many companies belong to the particular location?



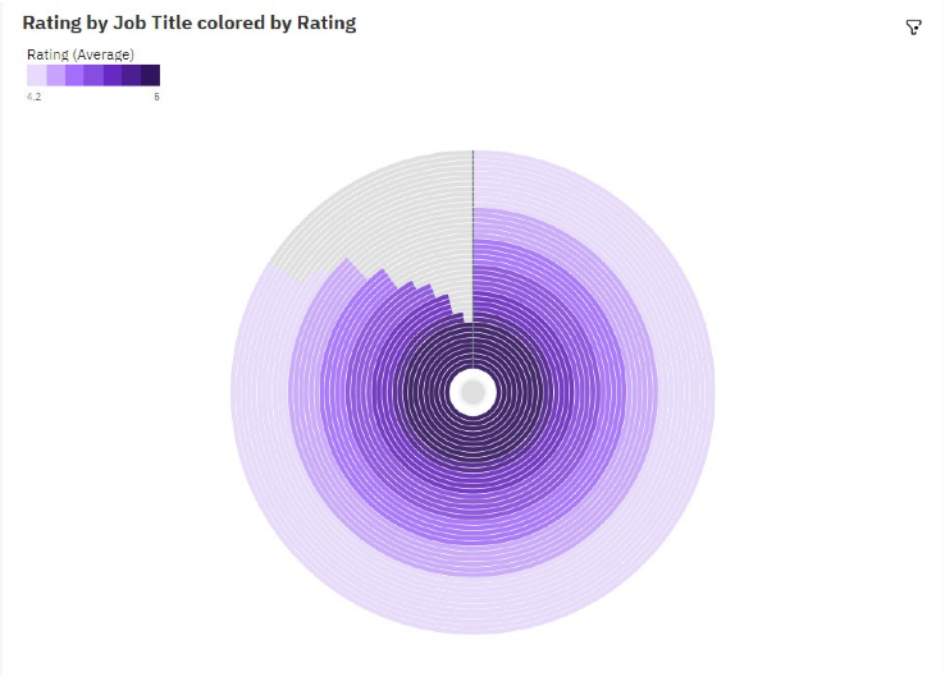
4: What's the distribution of companies according to the type of owner?



5: Most popular sector on glassdoor for data science domain

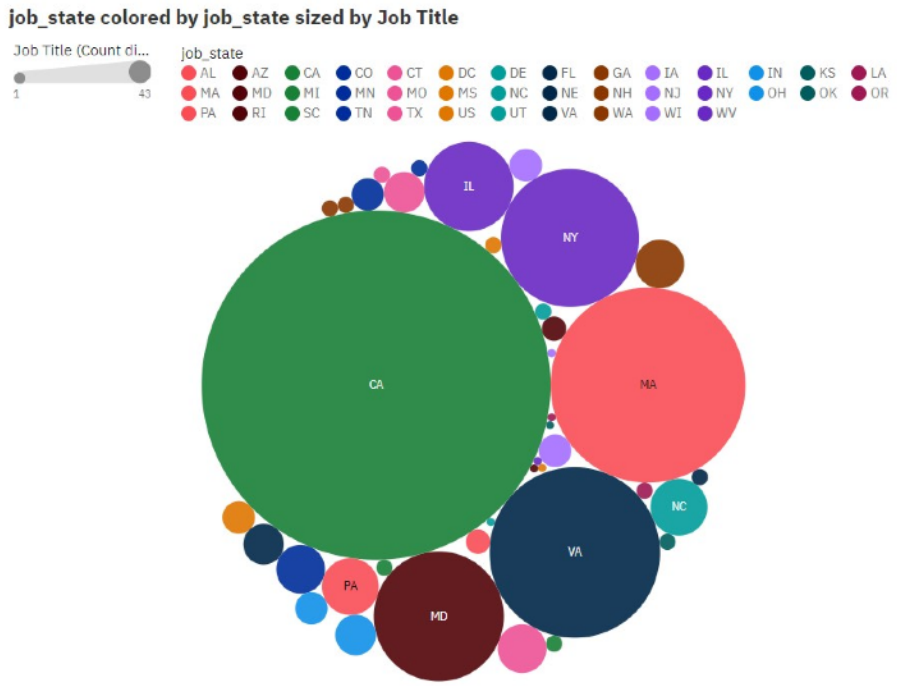


6: Top 10 rated jobs



7: Which Industry is offering more job roles?

8: Which state is providing more opportunities?

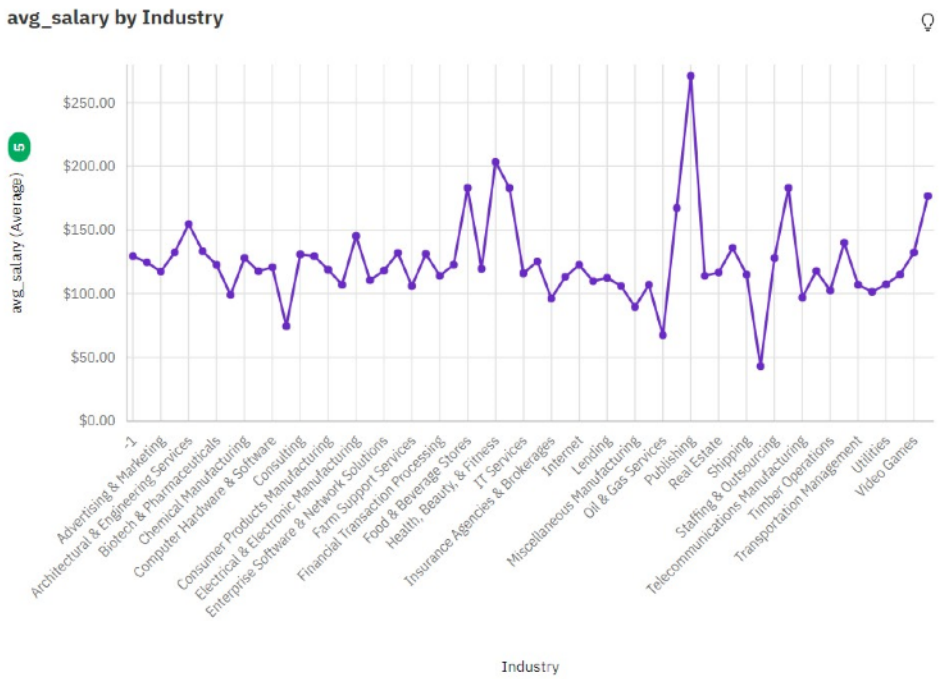


9: Show job titles from different category

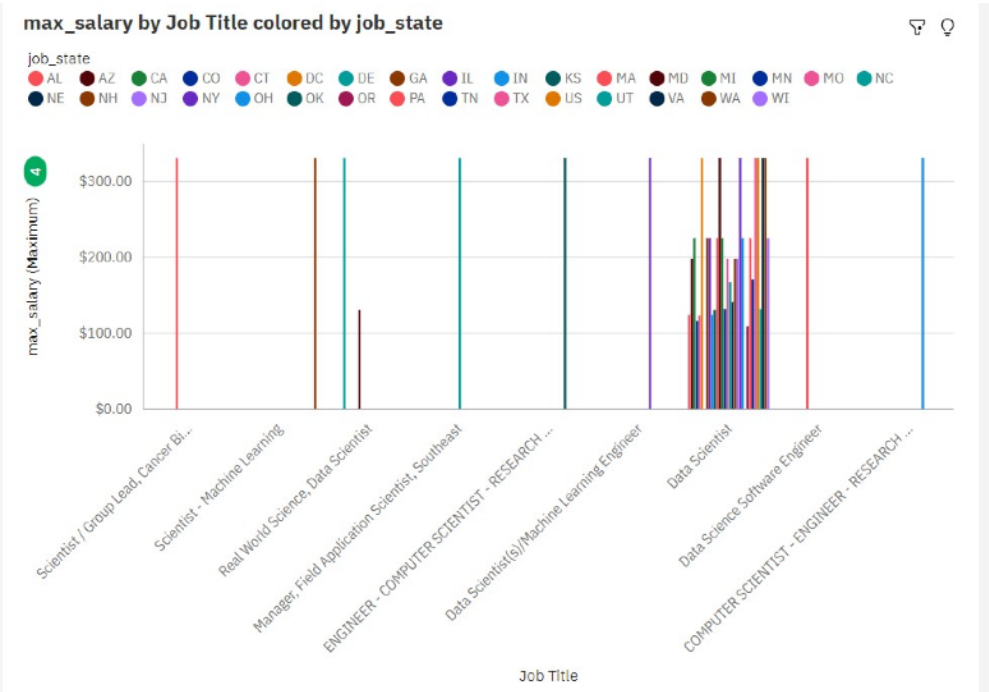
job_simp and Job Title

job_simp	Job Title
analyst	Analytics - Business Assurance Data An...
	Business Data Analyst
	Business Intelligence Analyst
	Business Intelligence Analyst I- Data In...
	Clinical Data Analyst
	Data Analyst
	Data Analyst - Unilever Prestige
	Data Analyst I
	Data Analyst II
	Data Analyst/Engineer

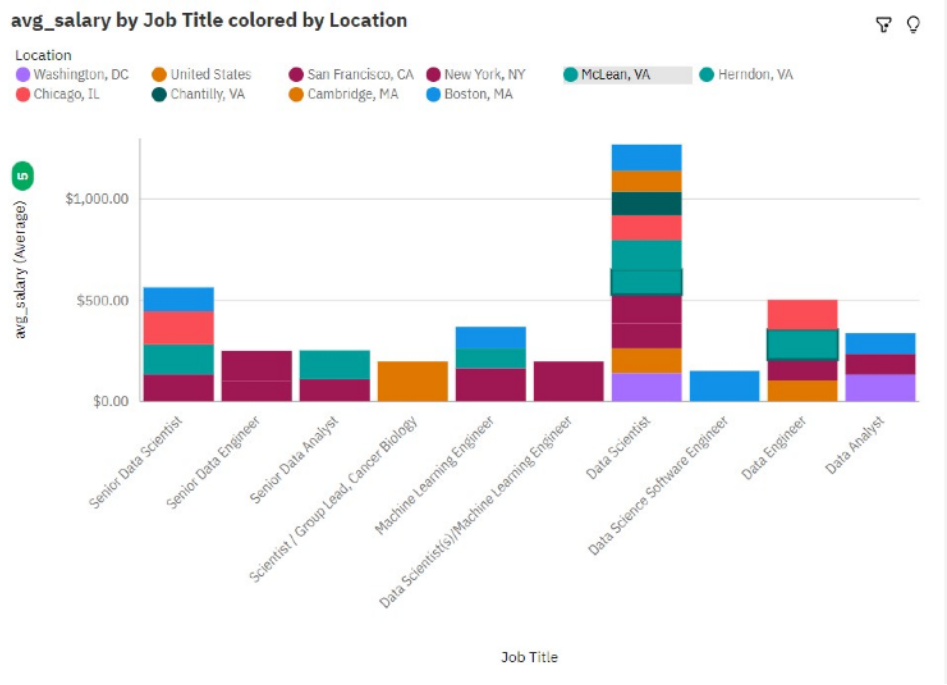
10: Compare salary trend of different industry



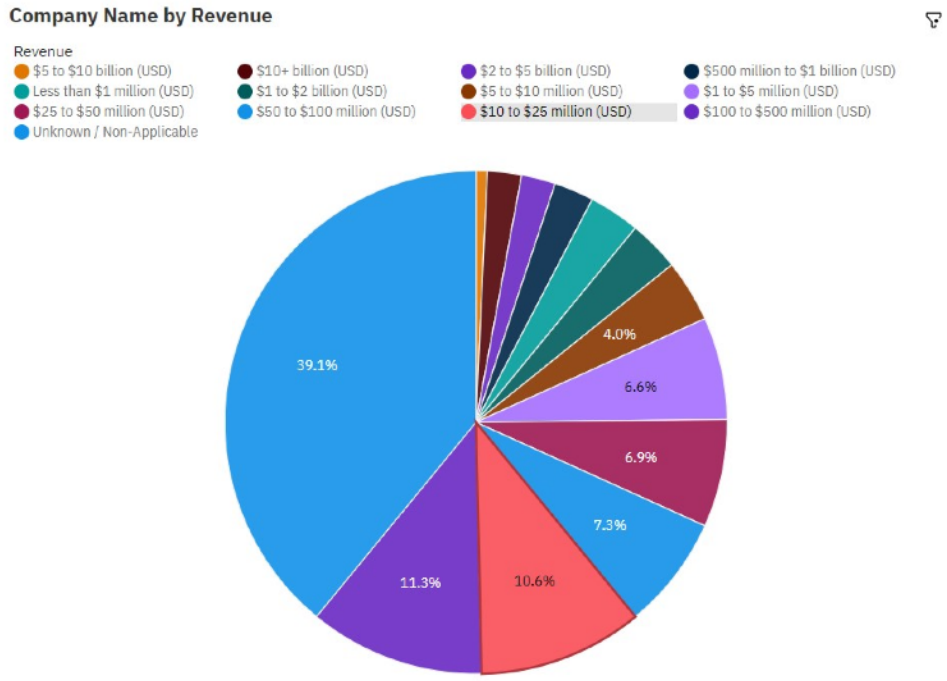
11: Top 10 highest paying jobs from different states



12: What is the avg salary of a Job Title belonging from particular Location?



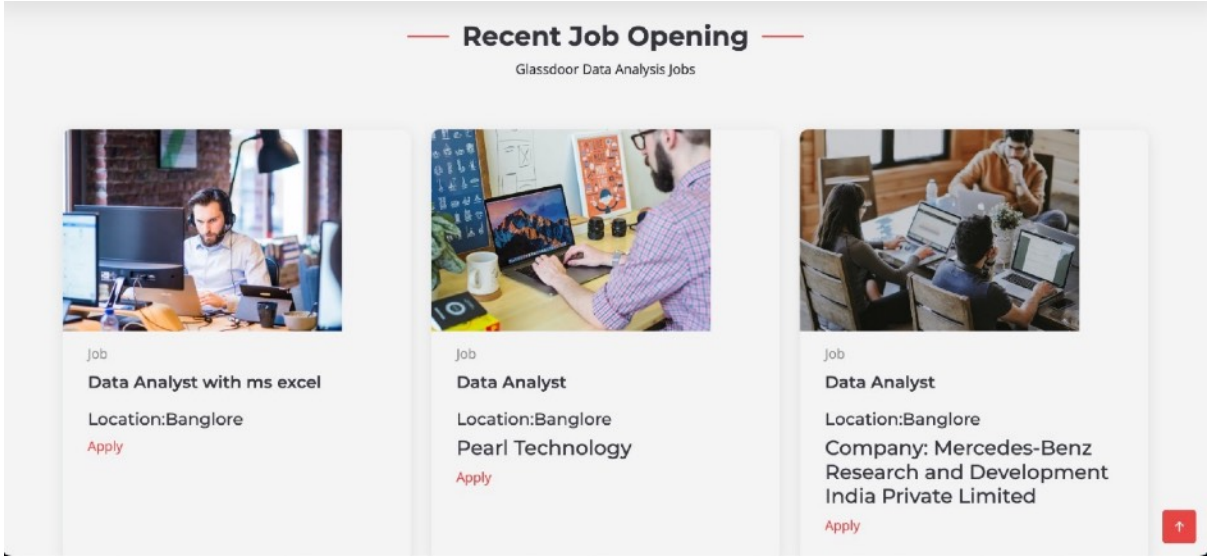
13: What is the revenue generated by companies that falls under a particular category of ownership?

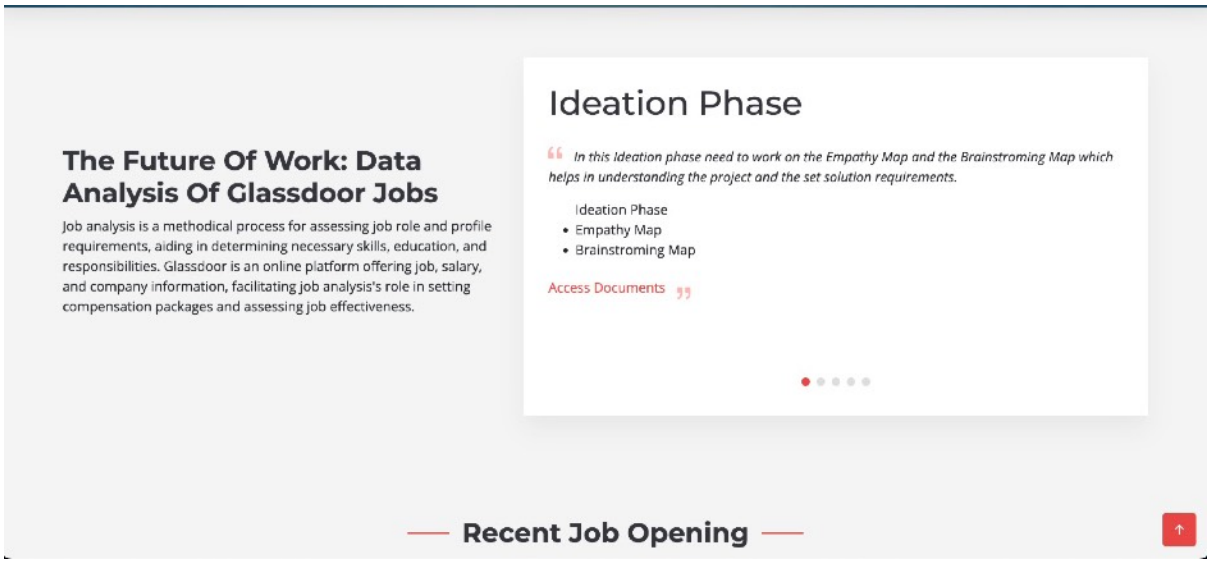


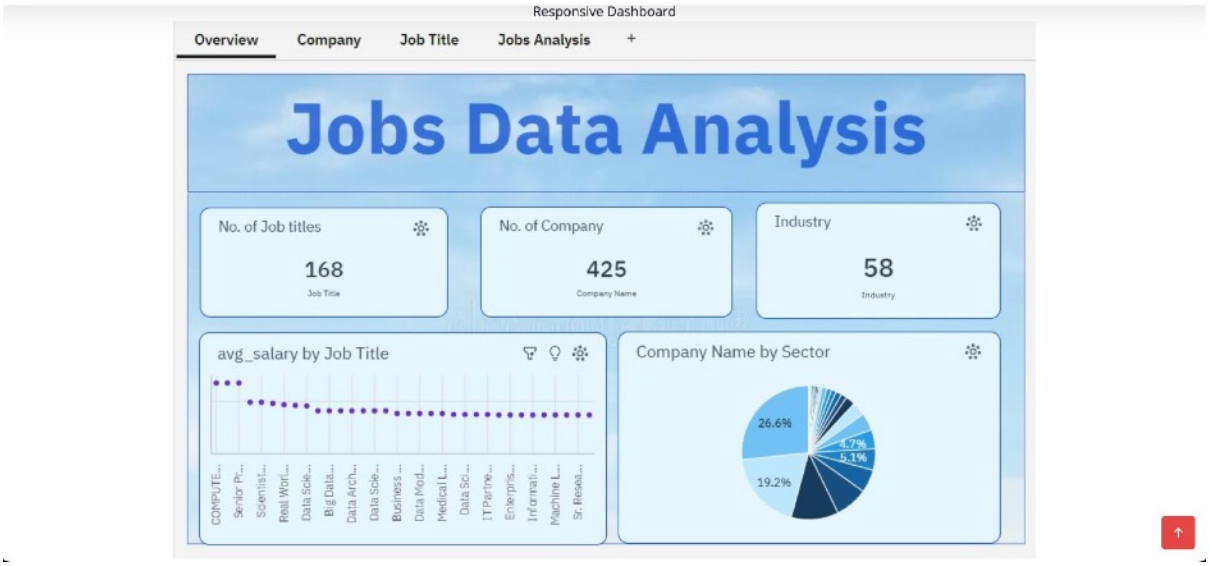
Milestone 9: Web integration

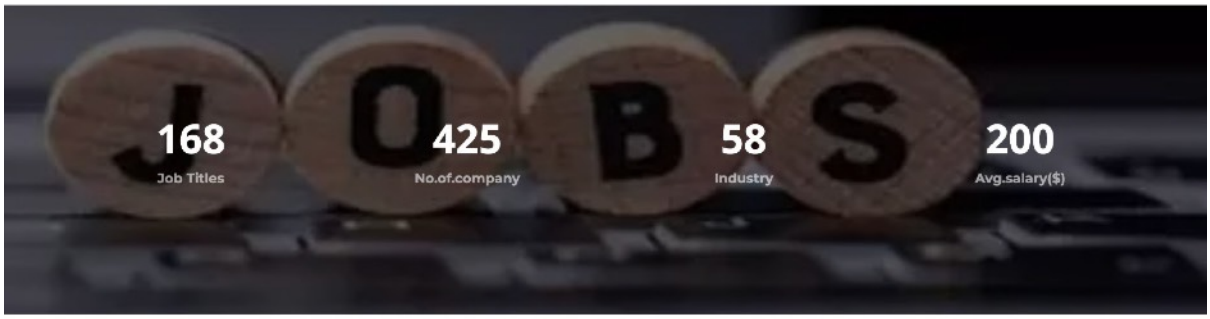
Publishing helps us to track and monitor key performance metrics, to communicate results and progress. help a publisher stay informed, make better decisions, and communicate their performance to others. Publishing dashboard, report & story. Step 1: Go to Dashboard, report & / story, click on share button on the top. Dashboard

Web Integration:









Dashboard

A dashboard is a visual interface for organized data display, used for real-time monitoring and analysis across various industries.

OverView

Responsive Dashboard

Company

Glassdoor

About

The Future Works: Data Analysis Glassdoor Jobs

Job analysis is a systematic process to define job roles and requirements, aiding in compensation package setup. Analyzing Glassdoor job postings provides insights into job market trends, in-demand skills, and employer branding for attracting top talent.

Read More →

Data Set link

A dataset of 660 job postings from Glassdoor, with 14 columns of data, including job title, salary, company, and location.
Link to dataset: Dataset

GlassDoor

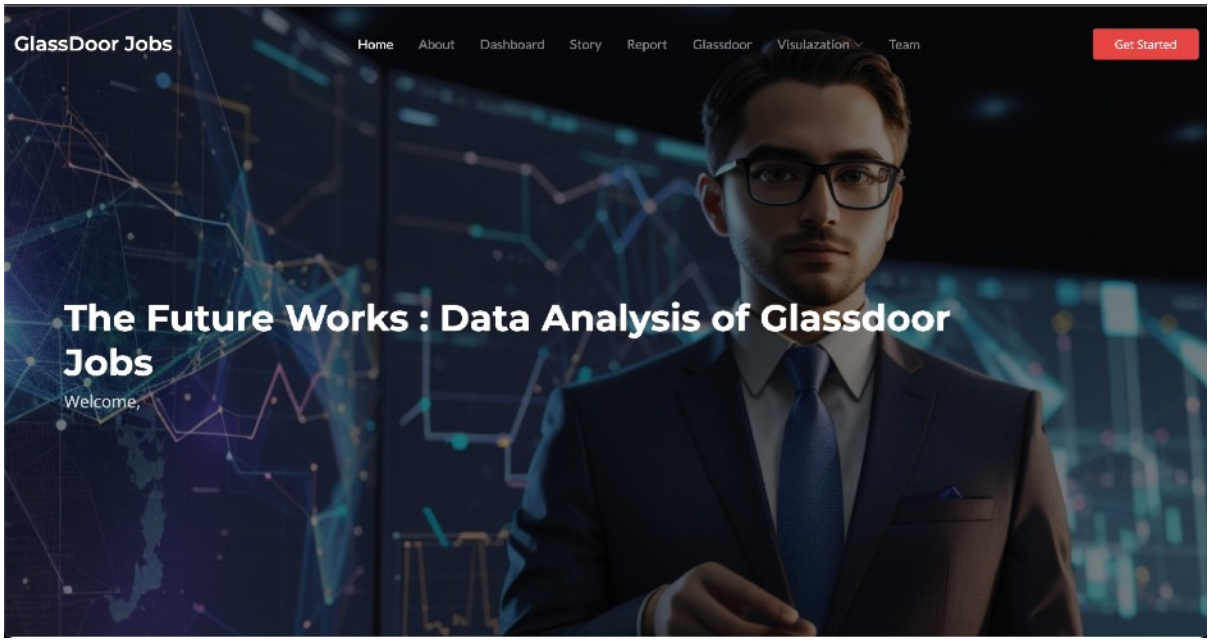
A career community where job seekers can find jobs, read company reviews, and compare salaries

Technology

Ibm cognos, flask,html,css,js,ibm cloud

Data Analyst

Analysis of the job postings to identify trends and patterns, such as the most popular job titles, the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Visulazation
Team
Get Started
The Future Works : Data Analysis of Glassdoor Jobs
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GlassDoor Jobs
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About
Dashboard
Story
Report
GlassDoor
Visulazations
Contact
Get Started
Visulazation
A data-driven future of work awaits, with data scientists in high demand across all industries
1. Home
Company Name by Sector
Location colored by Location sized by Company Name
Company Name by Type of ownership colored by Type of ownership
Rating by Job Title colored by Rating
Industry Hierarchy colored by Industry and sized by Job Title
avg_salary by Job Title