Data visualization Team project

Group 8

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Youth Tobacco Survey dataset
Data Science Job Salaries

We chose "**Data Science Job Salaries**" this dataset, because

1. The data is already cleaned.
2. Compared to the other dataset, we are more easy to analyze every data columns.

10 Questions about Data Science Job Salaries

1. Is there a positive correlation between job titles and salaries?

2. Does salary increase gradually with years of experience?

3. With the increasing opportunities for remote work, does it affect salaries?

4. Does the location of work affect the willingness to engage in remote work?

5.What is the impact of increasing company size on overall salaries?

6. Is there a correlation between company size and job titles?

7. What are the trends in the relationship between company size and work experience?

8. Is there a correlation between years of work experience and job titles?

9. What trend does the depth of work experience show in relation to employee salaries?

10. What is the impact of years of work experience on the likelihood of remote work?

Drawing visualization design about Data Science Job Salaries
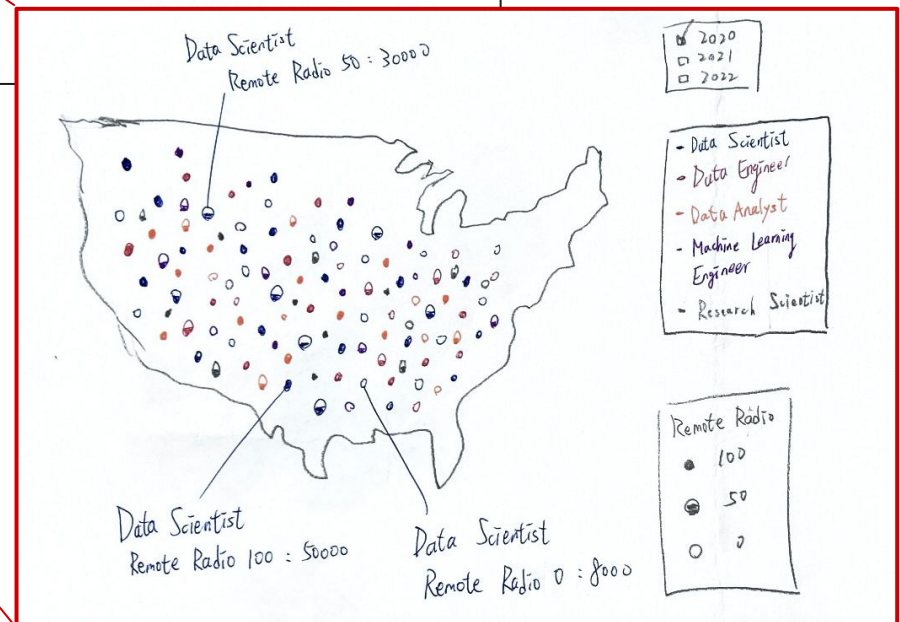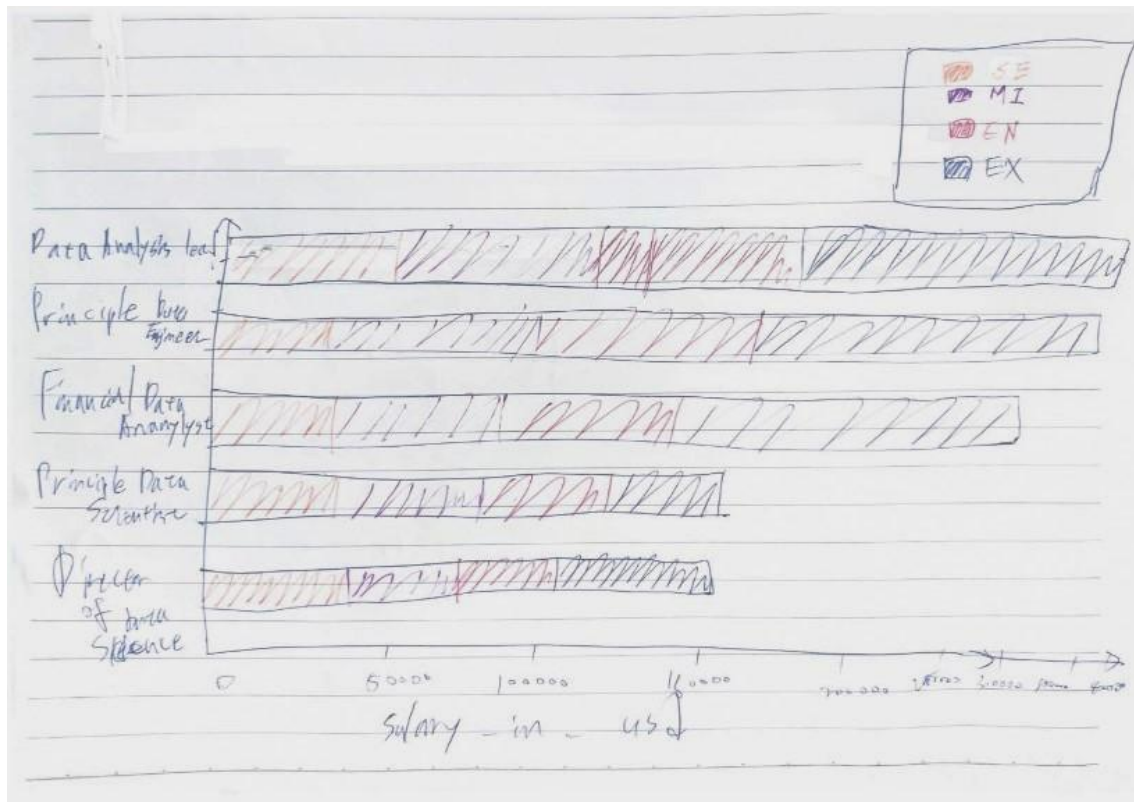
Visualization Design 1

The design can answer :

4. Does the location of work affect the willingness to engage in remote work?

8. Is there a correlation between years of work experience and job titles?

10. What is the impact of years of work experience on the likelihood of remote work?
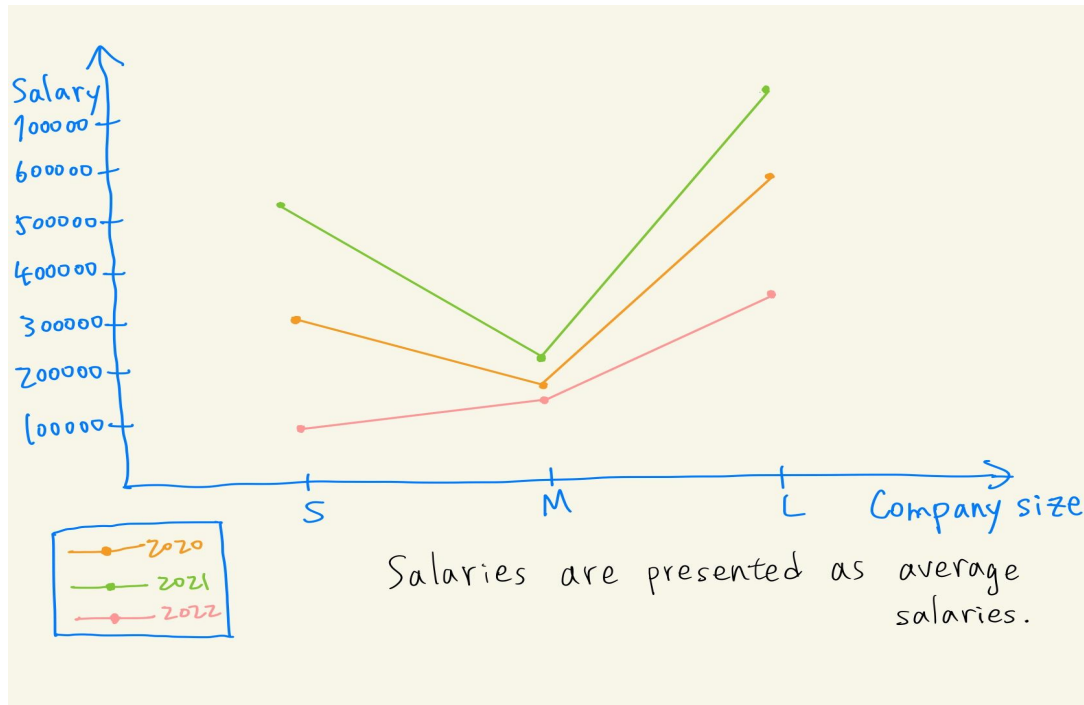
Visualization Design 2

The design can answer :

1. Is there a positive correlation between job titles and salaries?

8. Is there a correlation between years of work experience and job titles?

9. What trend does the depth of work experience show in relation to employee salaries?

Visualization Design 3

The design can answer :

2. Does salary increase gradually with years of experience?

5. What is the impact of increasing company size on overall salaries?

Critique visualization design about Data Science Job Salaries

Critique About Visualization Design 1

Using zooming effectively to present details is great, but it could also consider incorporating more innovative ideas to display additional information, such as using different shapes to represent the size of companies.

The Ratio of remote work can also be represented in a more visually striking form.

Perhaps alternative methods can be chosen to represent regions. While using a world map may be easy to identify, it may leave more unnecessary blank spaces.

Critique About Visualization Design 2

This picture mainly uses five professional titles and corresponding salaries to create a bar chart, and uses different colors to indicate work experience levels, showing the level of each ratio. We hope to observe the correlation between various positions, salary and work experience.

Critique About Visualization Design 3

This design utilizes company size and salary to present trends over years, but it can present more data to answer more questions, such as using shapes, thickness, and other methods to present a greater variety of information.

Each team member's contribution

張光緯：Visualization Design 2, Critique About Visualization Design 1

曾國綸：Visualization Design 1, Critique About Visualization Design 3

劉宇峰：Visualization Design 3, Critique About Visualization Design 2

References

https://www.kaggle.com/datasets/ruchi798/data-science-job-salaries