

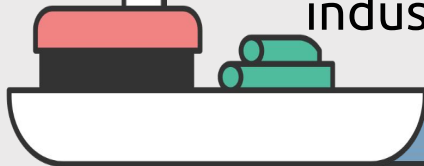
Data Visualization

Take Home Assignment 1
M114020038 李昀彤



Questions

- 01** What is the relationship between industry, company size, and profitability status?
- 02** What is the revenue growth trend of each company over the past five years?
- 03** What is the relationship between the revenue and profits of different companies within each industry?



What is the relationship between industry, company size, and profitability status?

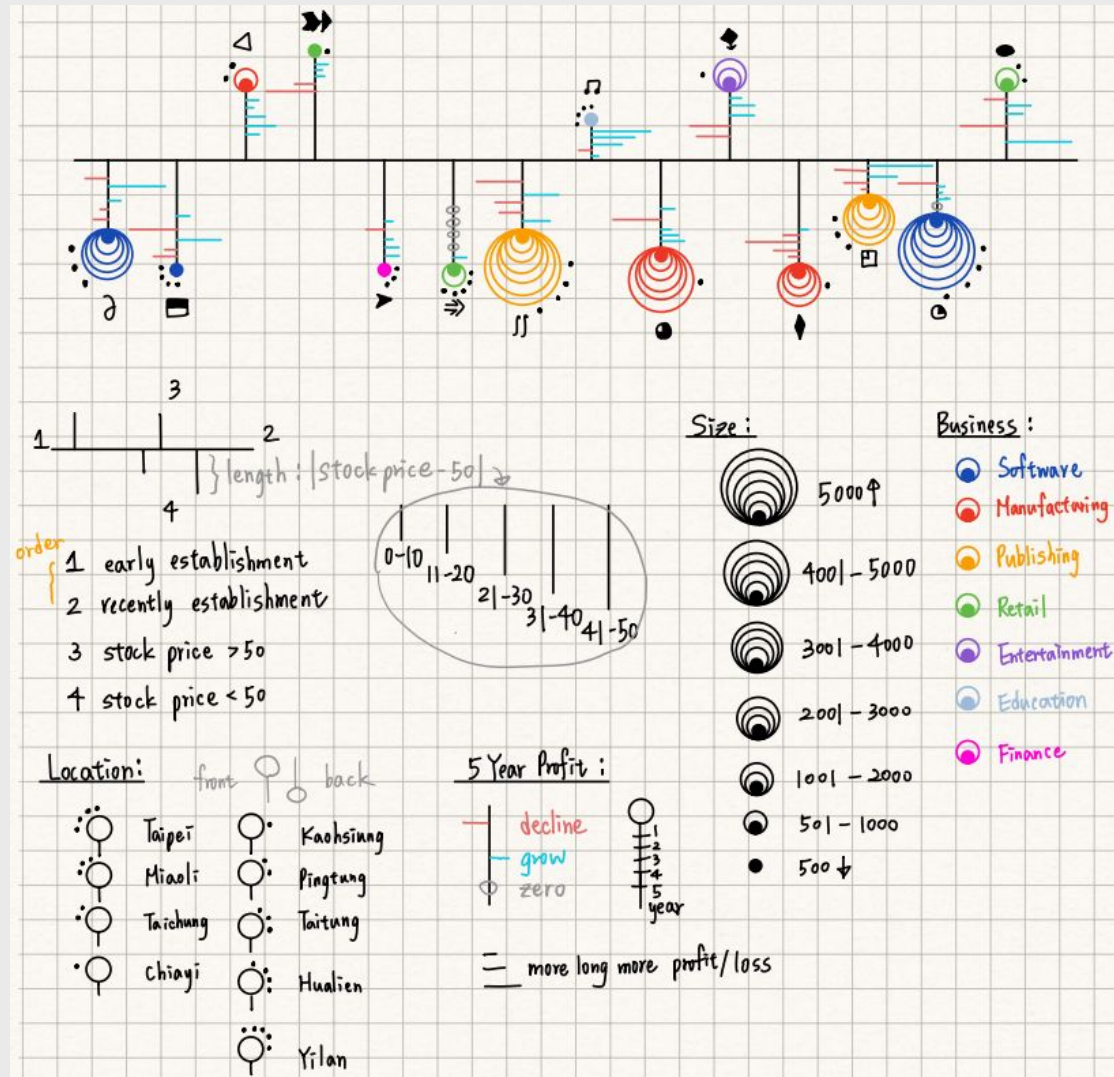
Critique

• Pros :

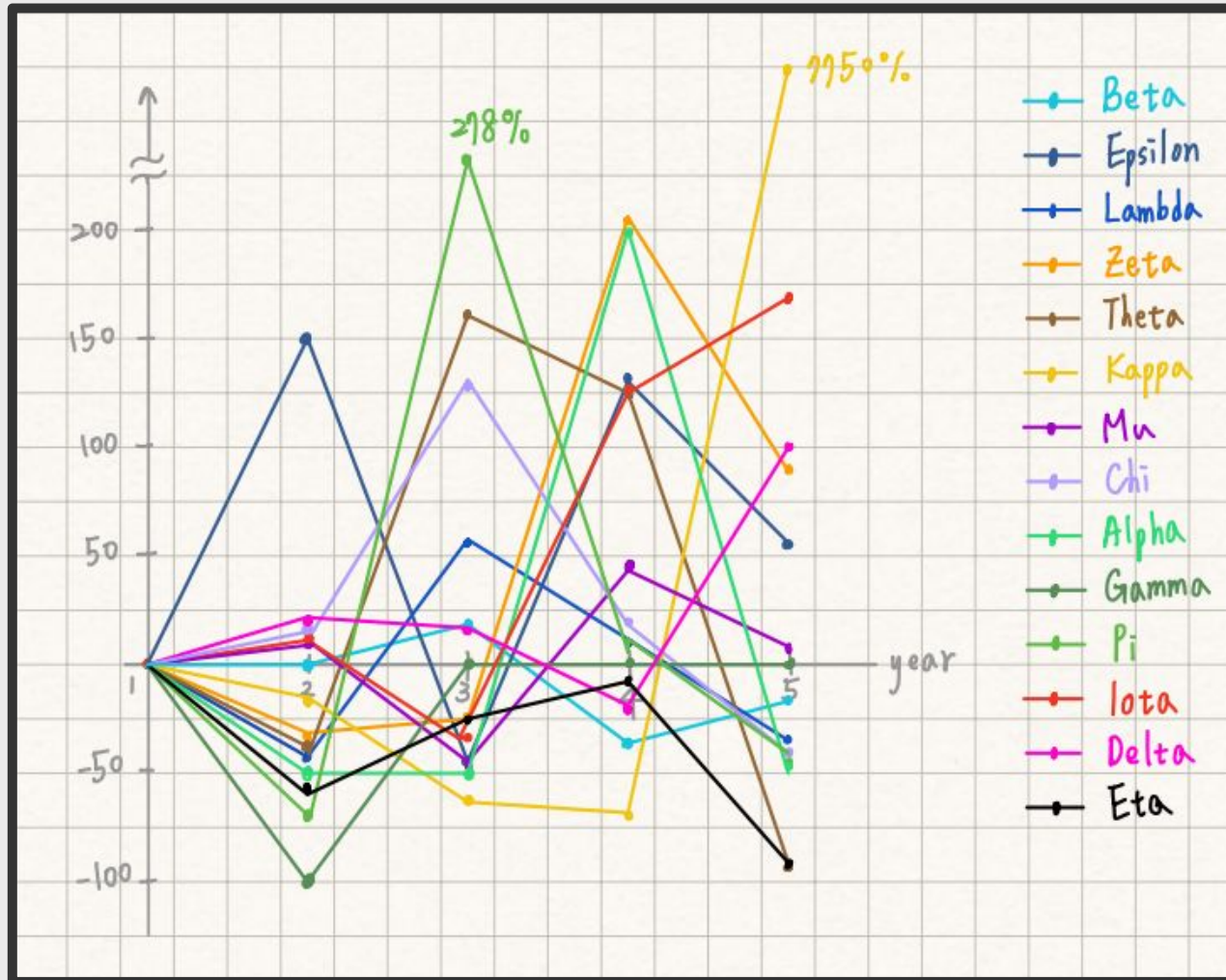
- Differences between different variables can be directly observed.
- Color coding makes it more convenient to read, for example, the size of each company in different industries.

• Cons :

- Trends in continuous data cannot be observed.



What is the revenue growth trend of each company over the past five years?



Critique

- **Pros :**

- Companies that perform exceptionally well in different periods can be quickly identified.
- Color coding makes it easy to read.

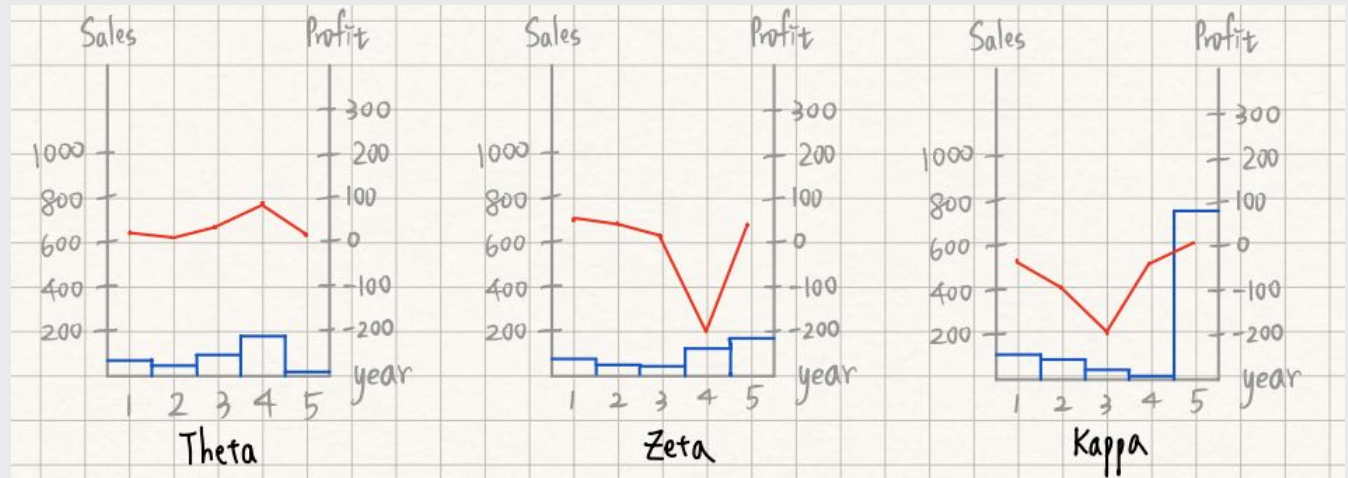
- **Cons :**

- As the number of data points increases, overlap becomes more likely.

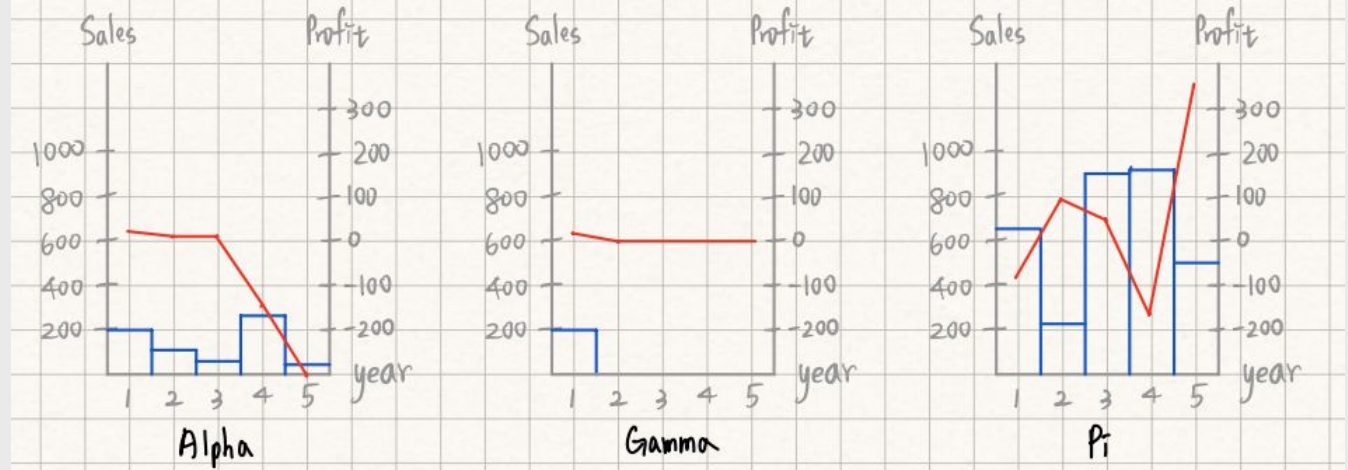


What is the relationship between the revenue and profits of different companies within each industry?

Manufacturing:

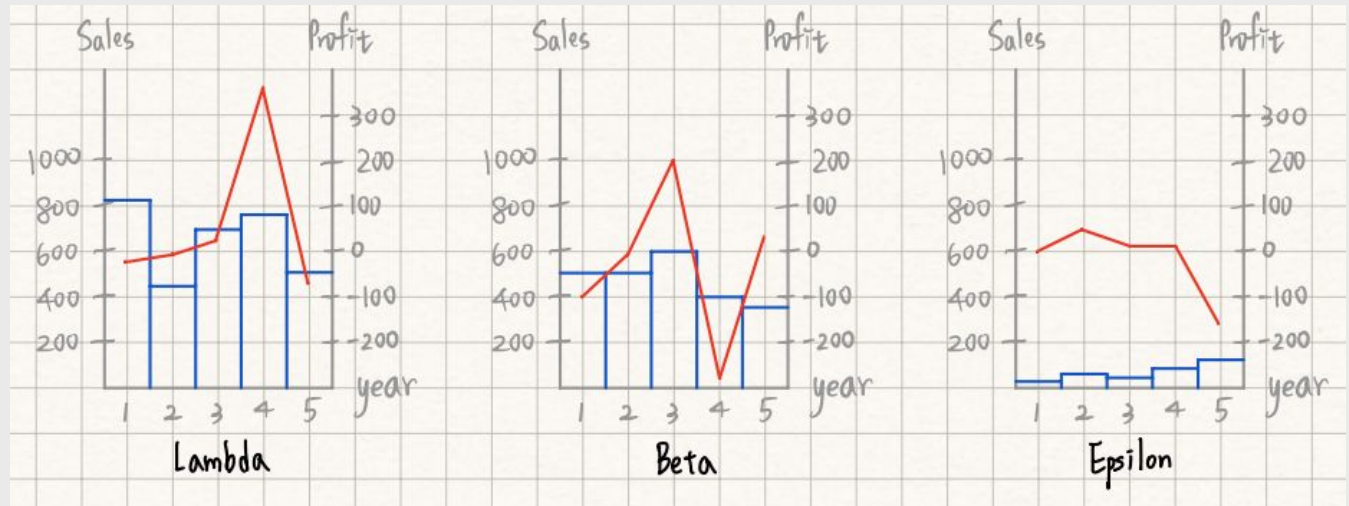


Retail:



What is the relationship between the revenue and profits of different companies within each industry?

Software:



Publishing:



Critique

Sales - Bar chart

- **Pros :**

- Quickly identifies maximum and minimum values, and helps understand the general trend and structure of the dataset.

- **Cons :**

- Cannot show the trend of continuous data.
- Can become complex when dealing with large amounts of data.

Profit - Line chart

- **Pros :**

- Shows the trend of data, making it easier to understand the changes and trends in the data.
- Can highlight important data.

- **Cons :**

- Easily affected by outliers.