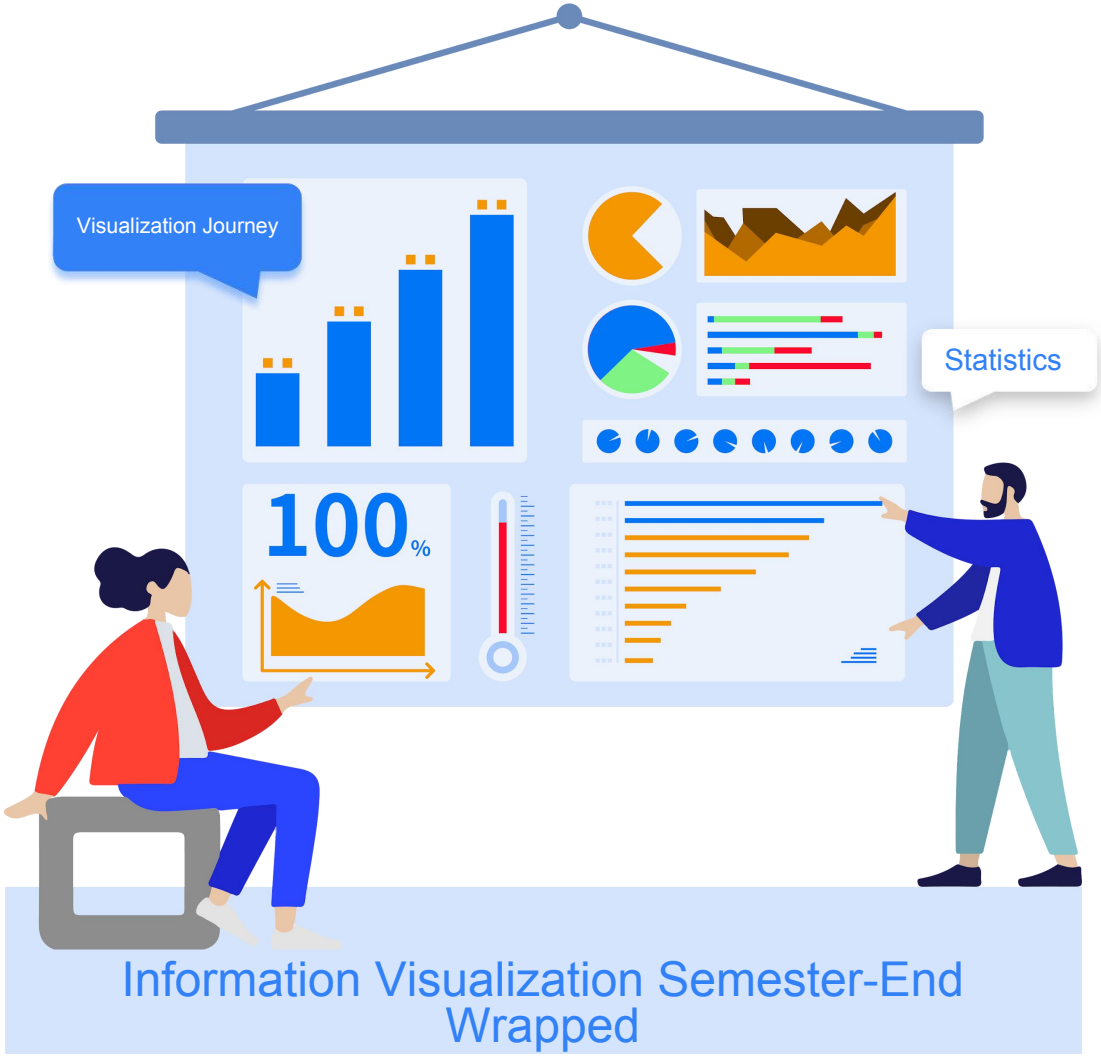
ZSH

Information

Visualization Semester-End Wrapped

Explore the experience of information visualization and reveal the story of the data. Information Visualization Semester-End Wrapped is a review of my learning journey, summarizing the insights and skills gained in this field. Through graphs and charts, I will demonstrate my understanding of data and explore how to convey information visually.

Presented by: ZHAO Shanhe



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Part 01

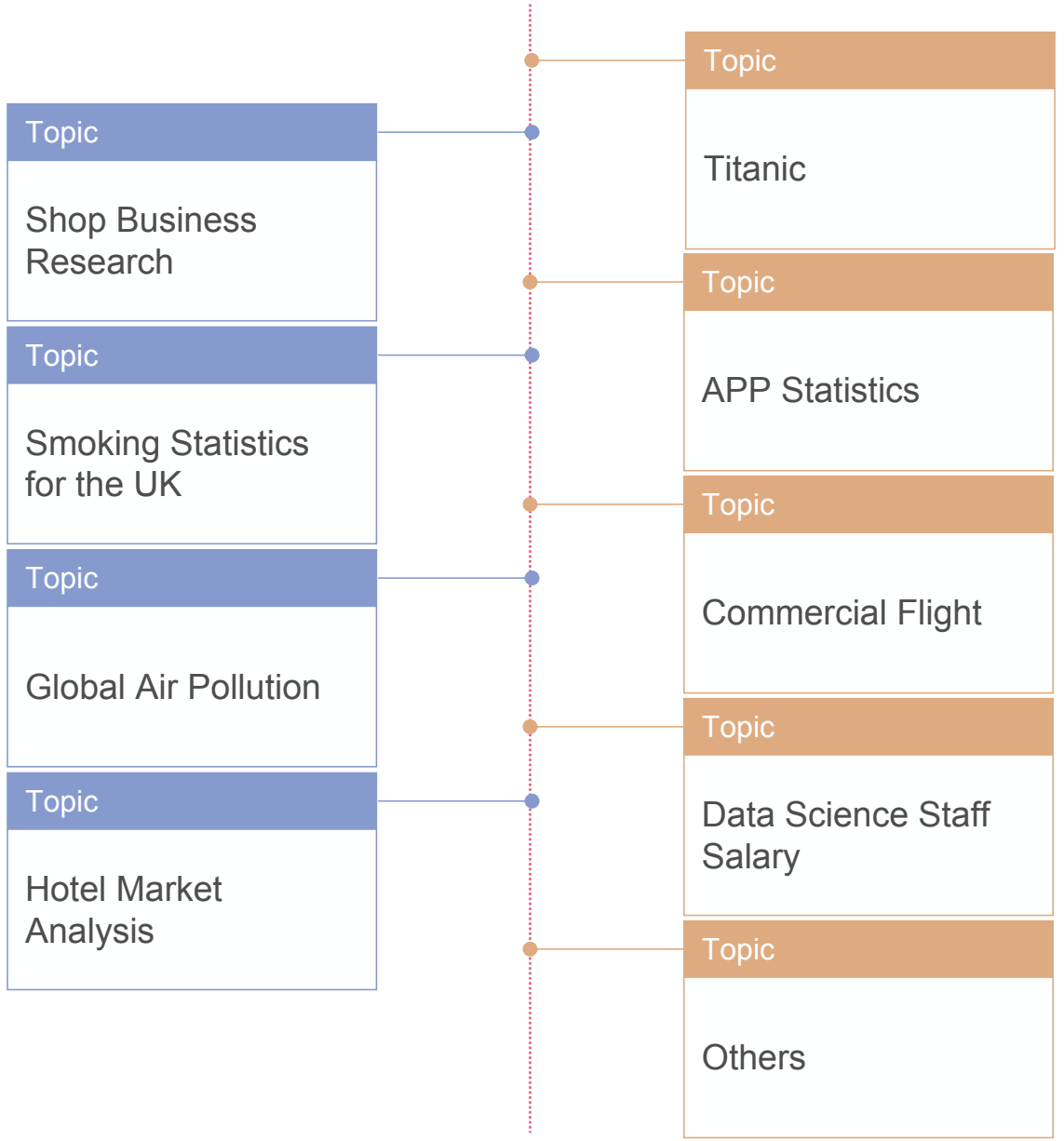
Tracklist Design

My information visual tracklist details. These include: the topics I worked on, the topic covers, the time spent on each topic, etc.

Tracklist Design

The topics I worked on

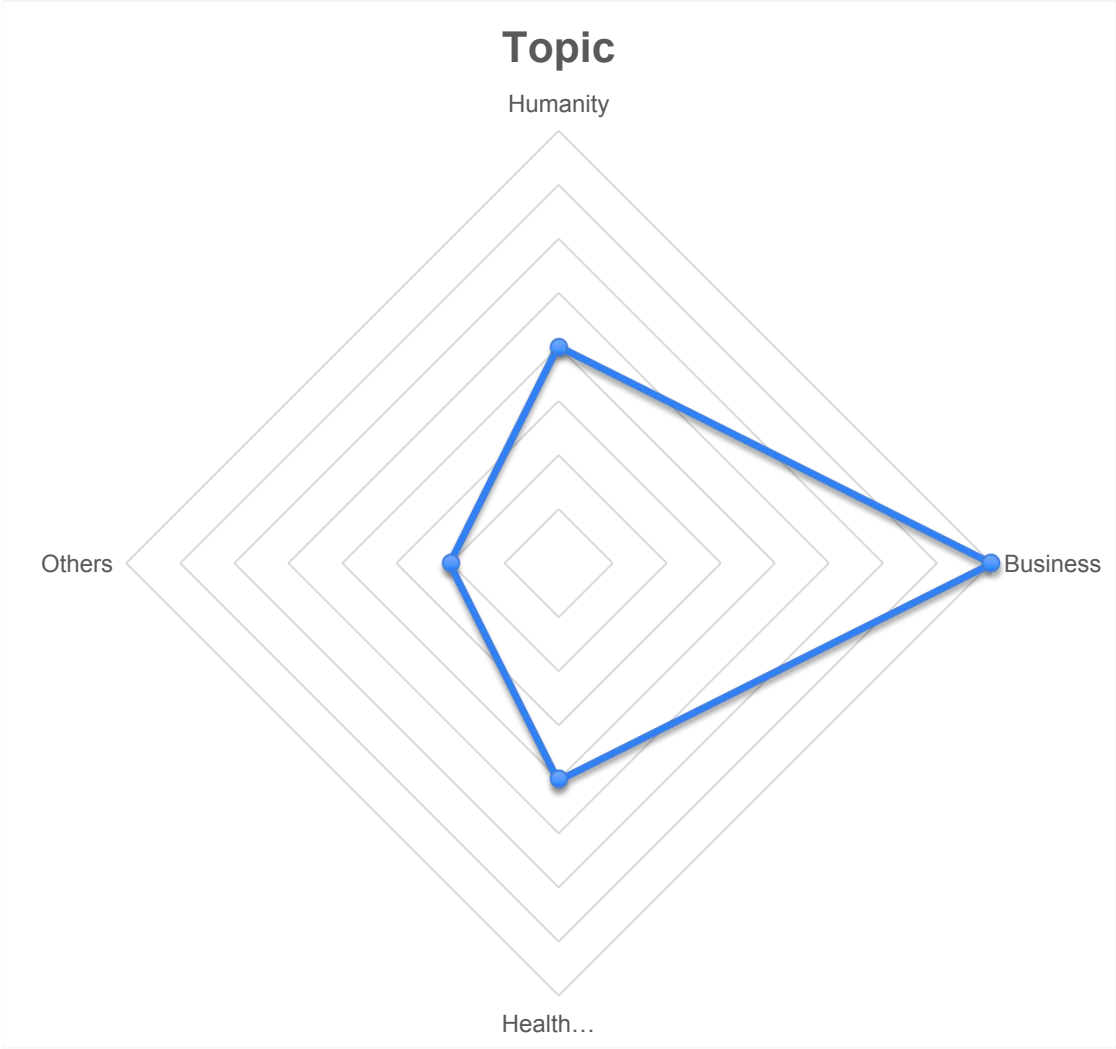
The information visualization topics I worked on are roughly divided into nine sections: Titanic survivor data visualization, shop business research information visualization, Google APP Store statistics visualization, smoking statistics for the UK information visualization, commercial flight data information visualization, global air pollution information visualization, data science staff salary information visualization, hotel market analysis information visualization and others (general content is viewing other people's works, self-study courseware content, etc.)



Tracklist Design

The topic covers

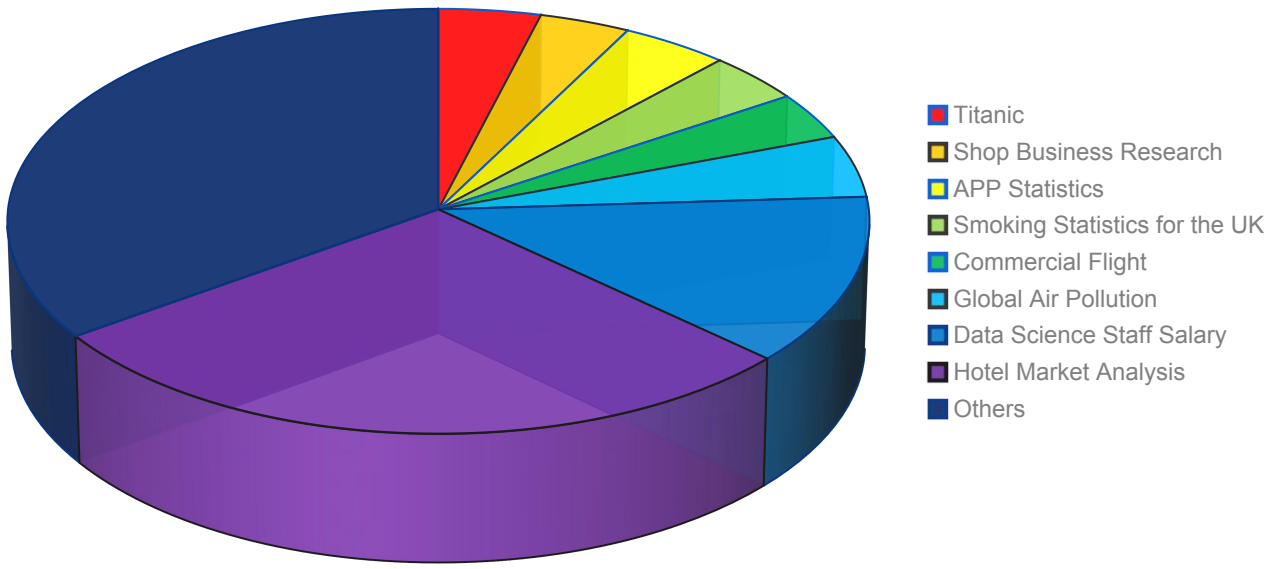
The topic covers the humanities, business, health and environment, and others. Among them, information visualization for business is the type I sat on most this semester.



Tracklist Design

The time spent on each topic

Among the topics I am committed to, besides courseware research and self-study of information visualization (these are classified into Others), the topic I spend the most time on is Hotel Market Analysis. Because it's my group project. As for the other topics, the tasks in the course, I don't spend too much time on each topic. Because I've learned a lot about information visualization in my previous job.



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Part 02

Chart-Topper Analysis

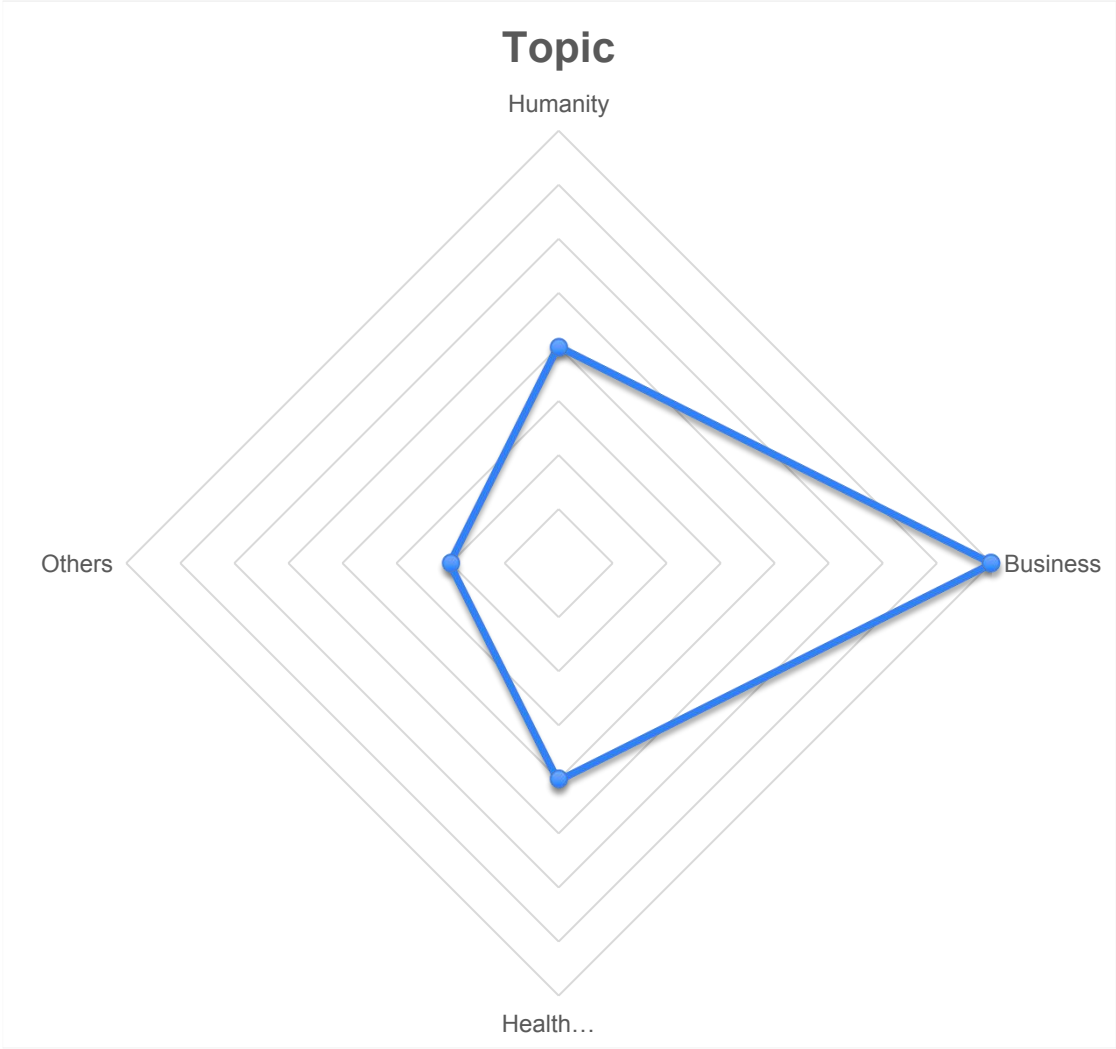
My information visualization chart topper analysis. These include: the topics I worked on the most, my most successful teamwork, the peak of the learning curve, etc.

01 Tracklist Design

Chart-Topper Analysis

The topics I worked on the most

In the previous presentation, I have already drawn my topic radar chart. It's clear that I spend the most on business-related information visualization, both in terms of work time and project data.



01 Tracklist Design

Chart-Topper Analysis

My most successful teamwork

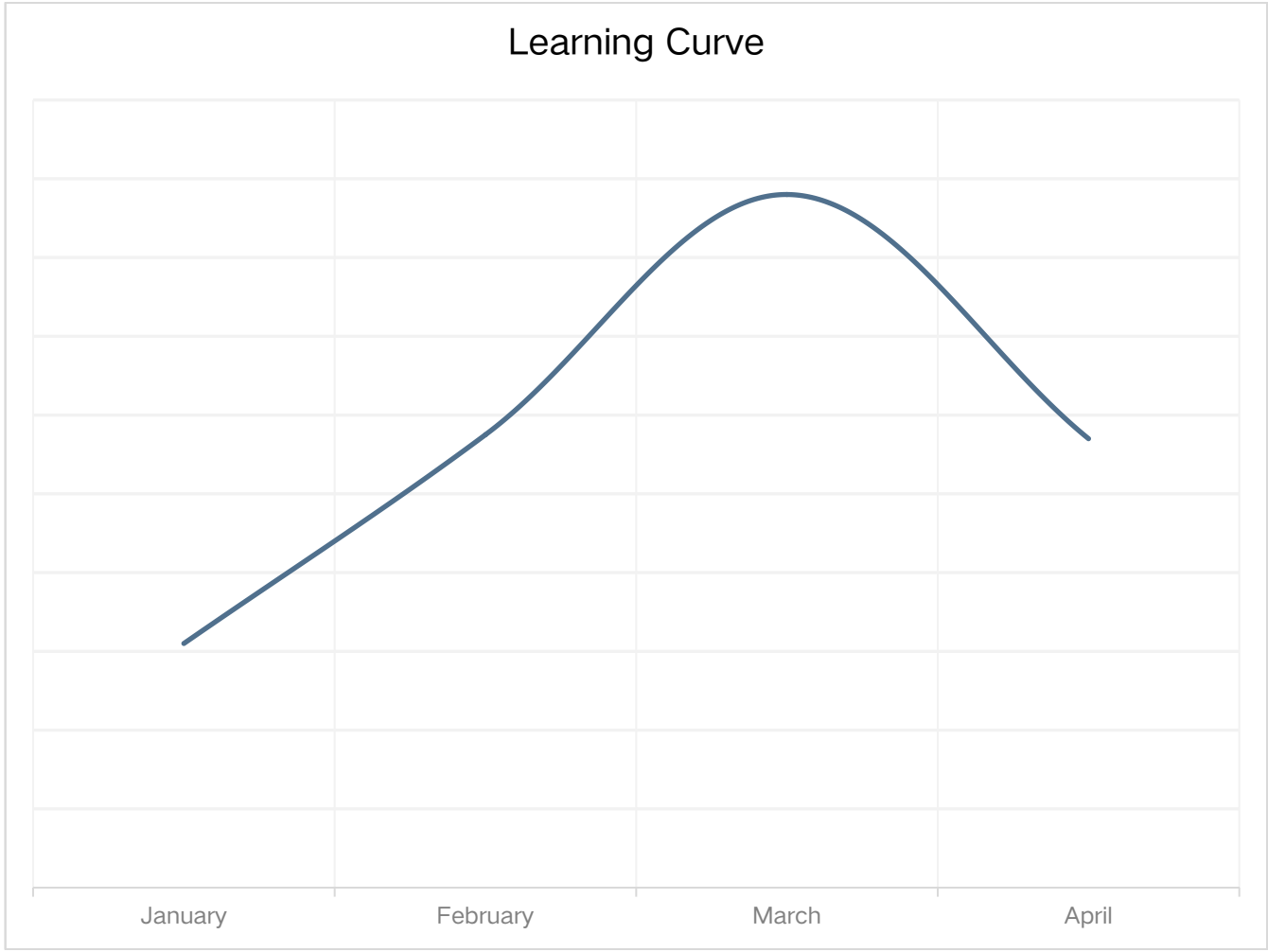
My most successful teamwork is my group project: Hotel Booking Demand -- Hotel Market Analysis. We do this by visualizing the hotel's data and then analyzing it. And solved a lot of problems. For example, what is the relationship between hotel room reservation and time, and what business adjustments should be made by the hotel for different periods of the market, and so on.

01 Tracklist Design

Chart-Topper Analysis

The peak of the learning curve

The peak of my learning curve comes in March. This month, I will complete tasks, prepare for group projects, review old knowledge, and preview new knowledge. So in this month, my study life is very busy and full.



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Part 03

Reflection

My study reflection. These include: What I learned, how I overcame difficulties, what my album will be about, etc.

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Reflection

What I learned

In the information visualization course, I learned how to effectively transform data into visual graphics to convey information and insights more clearly. I mastered various visualization tools and techniques such as Tableau, D3.js, and Python, and learned how to choose appropriate chart types and color schemes to present data. Additionally, I learned how to design intuitive and understandable data charts, and gained an understanding of the importance of data visualization in decision-making and communication.

Reflection

How I overcame difficulties

In the information visualization course, I encountered significant challenges in learning complex programming tools and techniques, such as D3.js and Python. Particularly with D3.js, I faced unfamiliarity with many of its data visualization interfaces, requiring extensive time to troubleshoot. To overcome these difficulties, I employed several strategies:

01 Tracklist Design

Reflection

How I overcame difficulties

1. Systematic Learning Resources: I extensively reviewed various online tutorials, documentation, and video resources to establish a foundational understanding of these tools and techniques.
2. Hands-on Projects: I engaged in numerous practical projects to solidify my learning and deepen my understanding of the tools and techniques through hands-on experience.

01 Tracklist Design

Reflection

How I overcame difficulties

3. Seeking Assistance: In addition to absorbing lecture content, I actively engaged with classmates and online communities to seek help and solutions, drawing inspiration and guidance from their experiences.
4. Continuous Learning: I maintained a mindset of continuous learning, constantly exploring new resources and methodologies to continually enhance my skills in the field of information visualization.

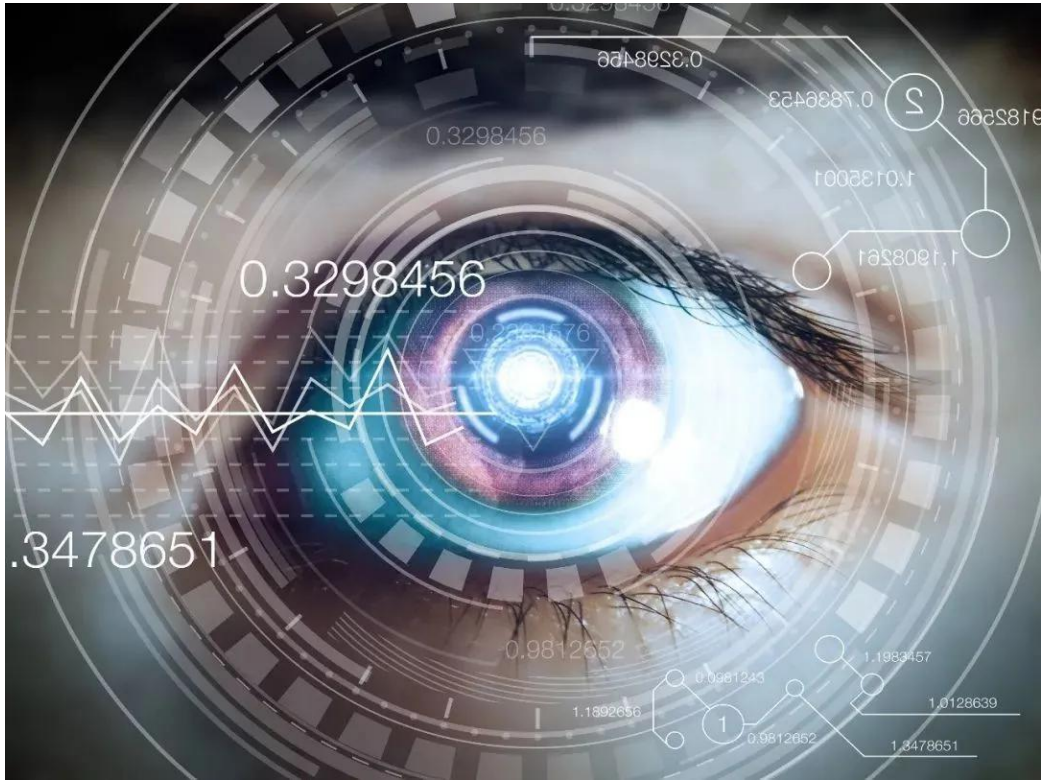
01 Tracklist Design

Reflection

What my album will be about

My information visualization project will be a comprehensive review of my learning journey in information visualization.

1. Provide a detailed account of my experience.
2. Delve into the various topics I've invested my efforts in.
3. Share the difficulties I encountered during my learning journey and how I overcame them.
4. Offer some advice to other information visualization scholars.



Part 04

Future Hits

Summary of my work and outlook for the future.

01 Tracklist Design

Reflection

Summary of my work and outlook for the future.

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THANK YOU

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