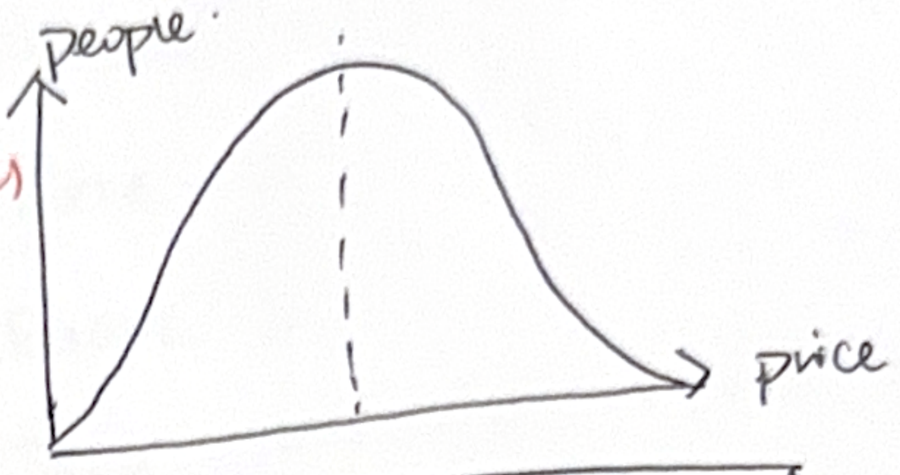
Topic: The (average) prices of vehicles from different brands in Australia.

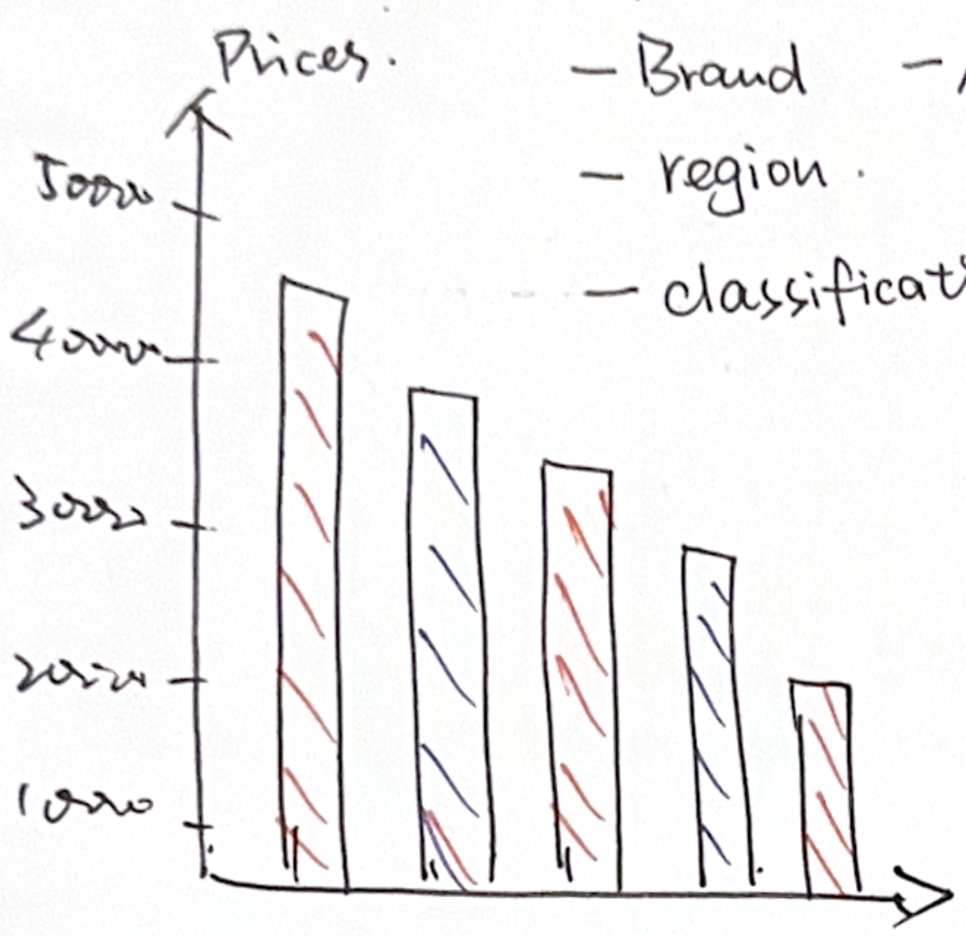
IDEAS

CATEGORIZE

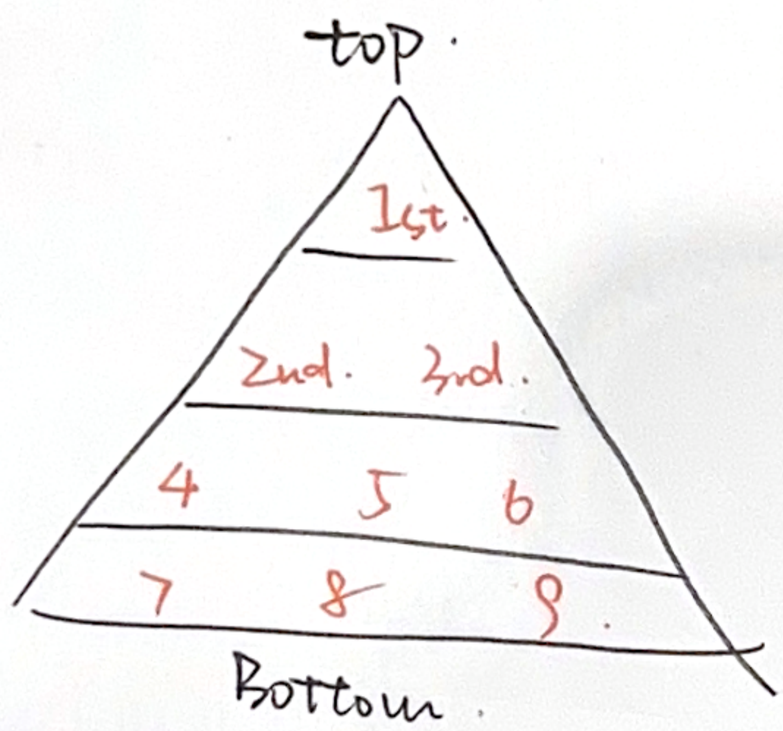
- prices
- car type
- Brand
- model
- region
- classification

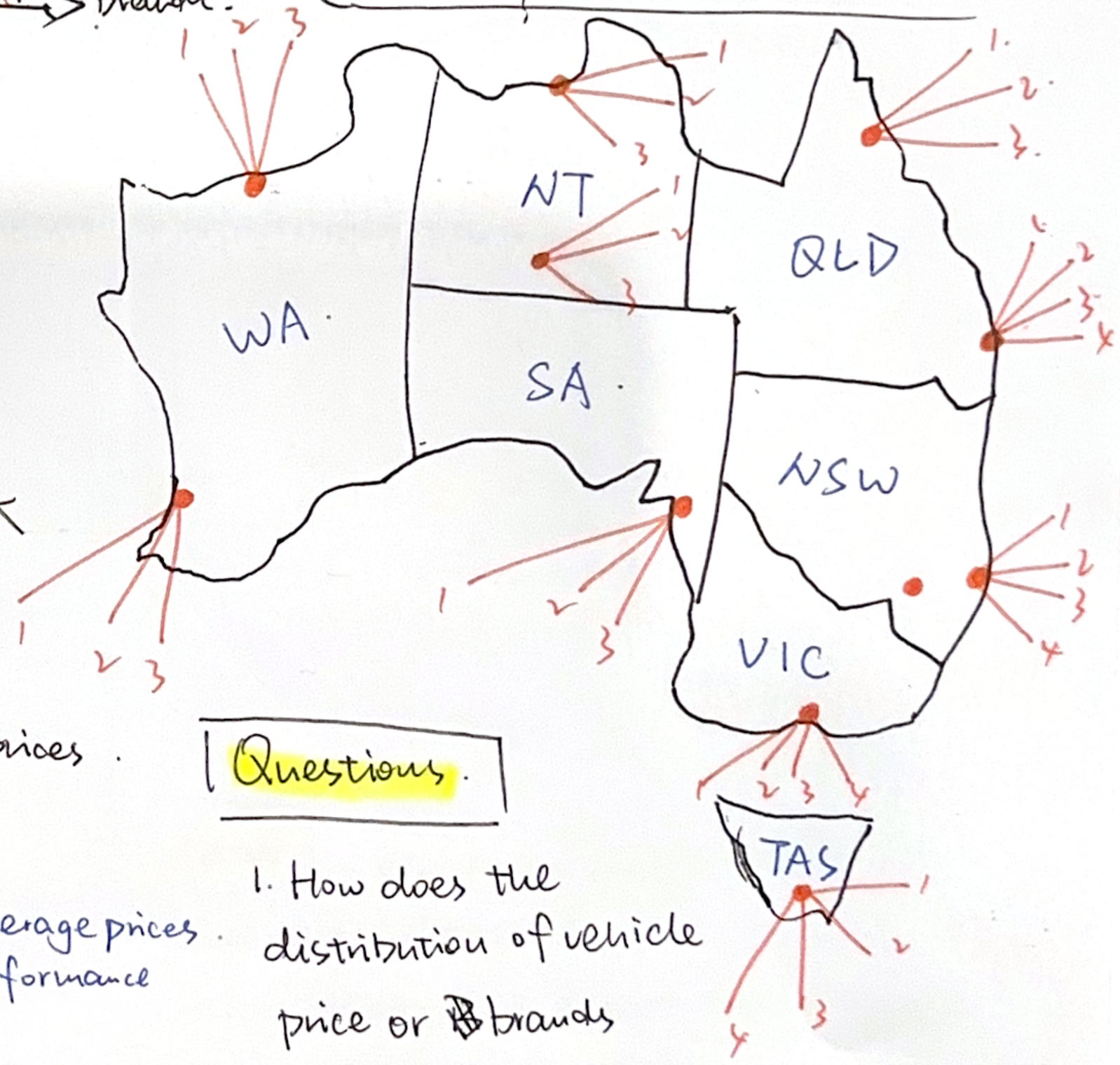
(people chooses)





Brand	model	prices
1		1000
2		2000
3		3000
4		4000
5		5000





FILTER

- ☆ we need to clearly show the prices.
- ☆ we need the table.
- ☆ We need the map.
- ☆ New ideas to compare the average prices.
- ☆ New ideas to show the performance

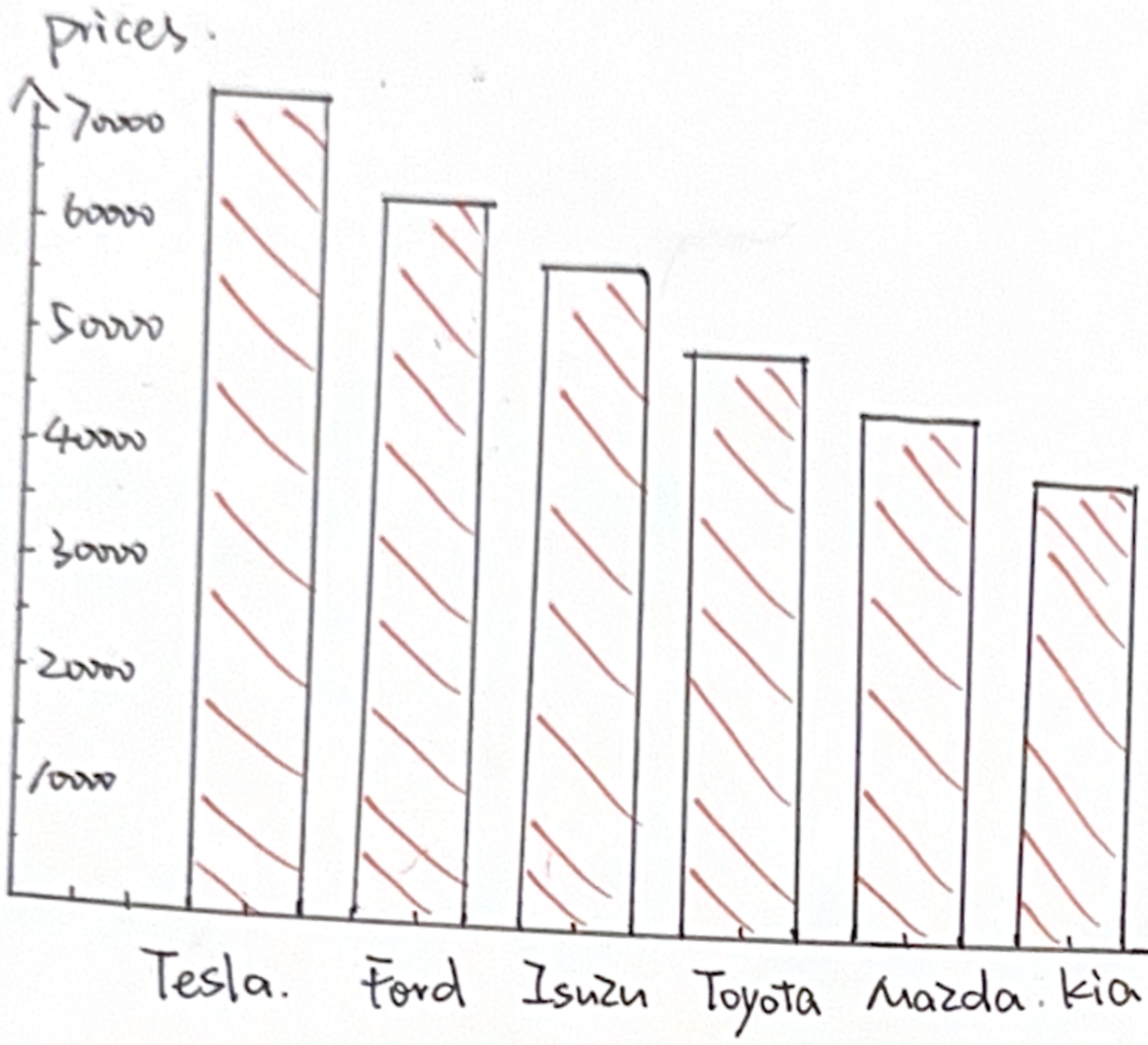
Questions.

1. How does the distribution of vehicle price or brands choices vary across different regions in the table?
2. Which brand is most commonly sold in Australia?

Combine & refine

1. Consumers show a preference for the same car model, leading to a regional tendency where most vehicle selections are concentrated on a single brand or model in some regions.
2. Vehicle price choices vary across regions, reflecting differences in income levels.

Layout



Title: Dashboard view.

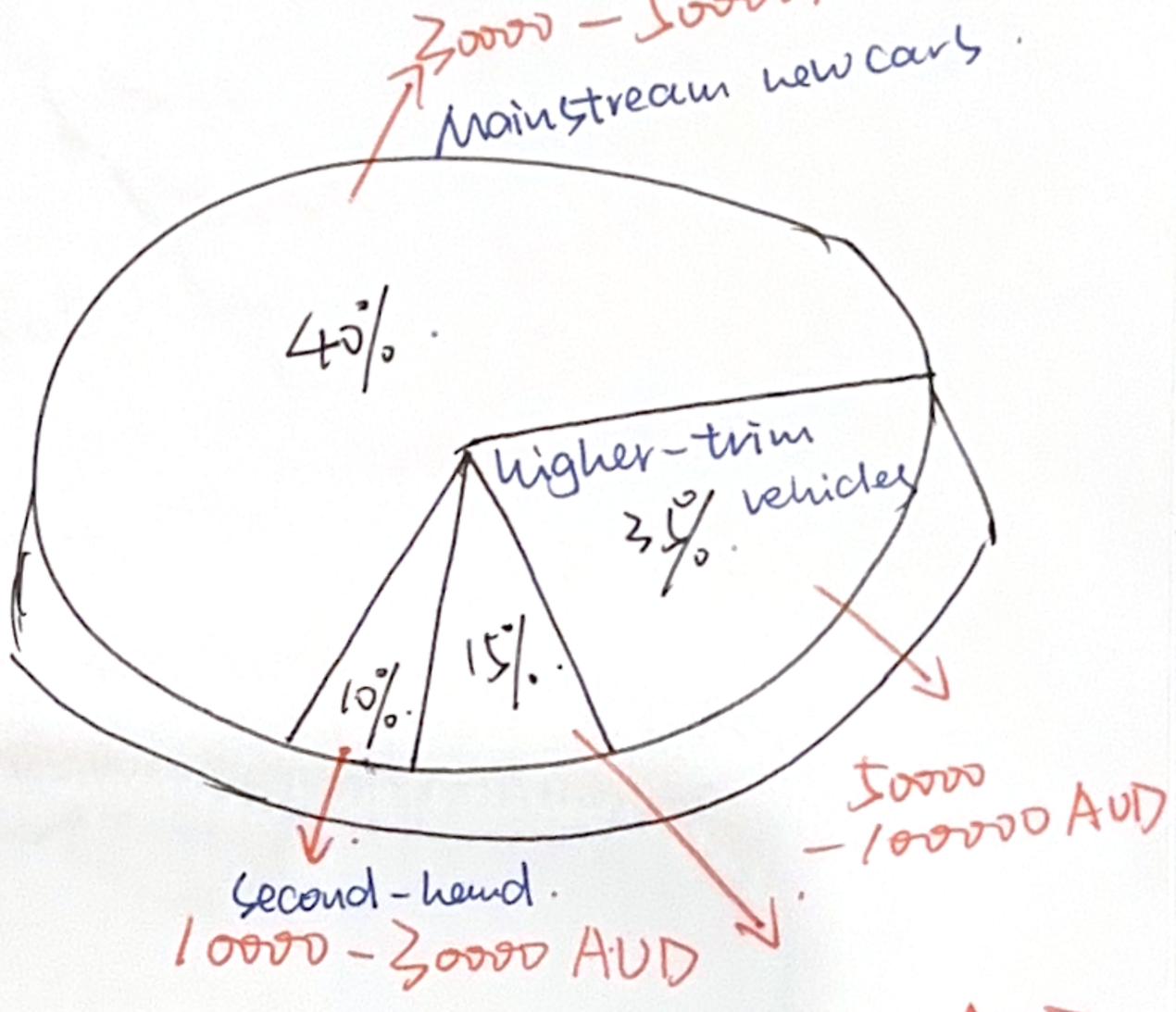
Author: Leyuan Zong

Date: 29/9/2025

Sheet: 2

Task: the (average) prices of vehicles in different brands distribution. analysis.

	Broud.	Model	AUD. (min.)
1.	Tesla.	Model Y	55900
2.	Ford	Ranger.	36880.
3.	Isuzu	D-max	32700
4.	Toyota.	RAV4	36550
5.	Mazda.	CX-5	36740.
6.	kia	Sportage.	32995.



Operation:

region:

prices:

Broud:

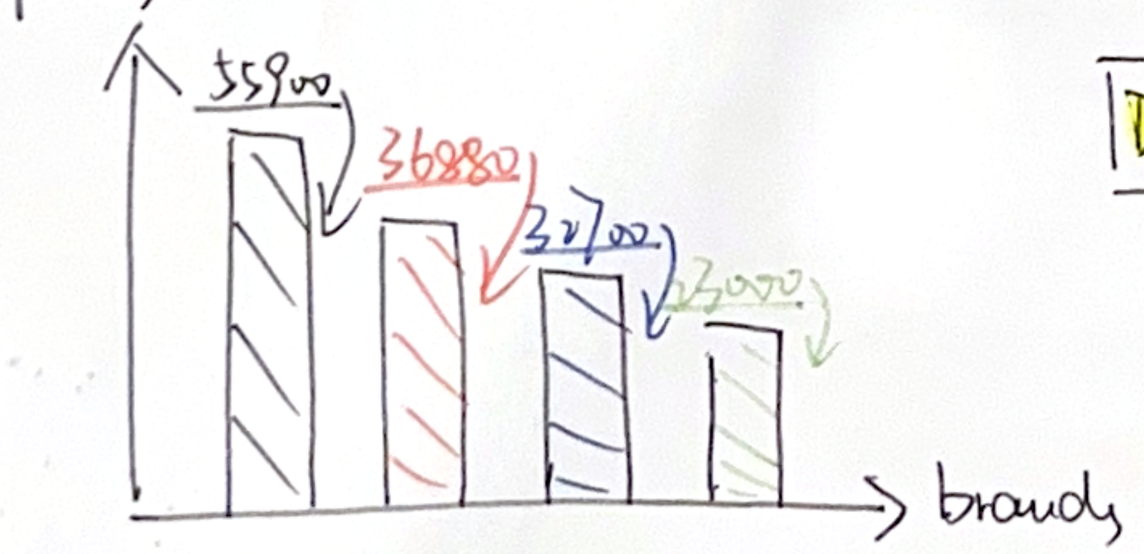
people:

focus:

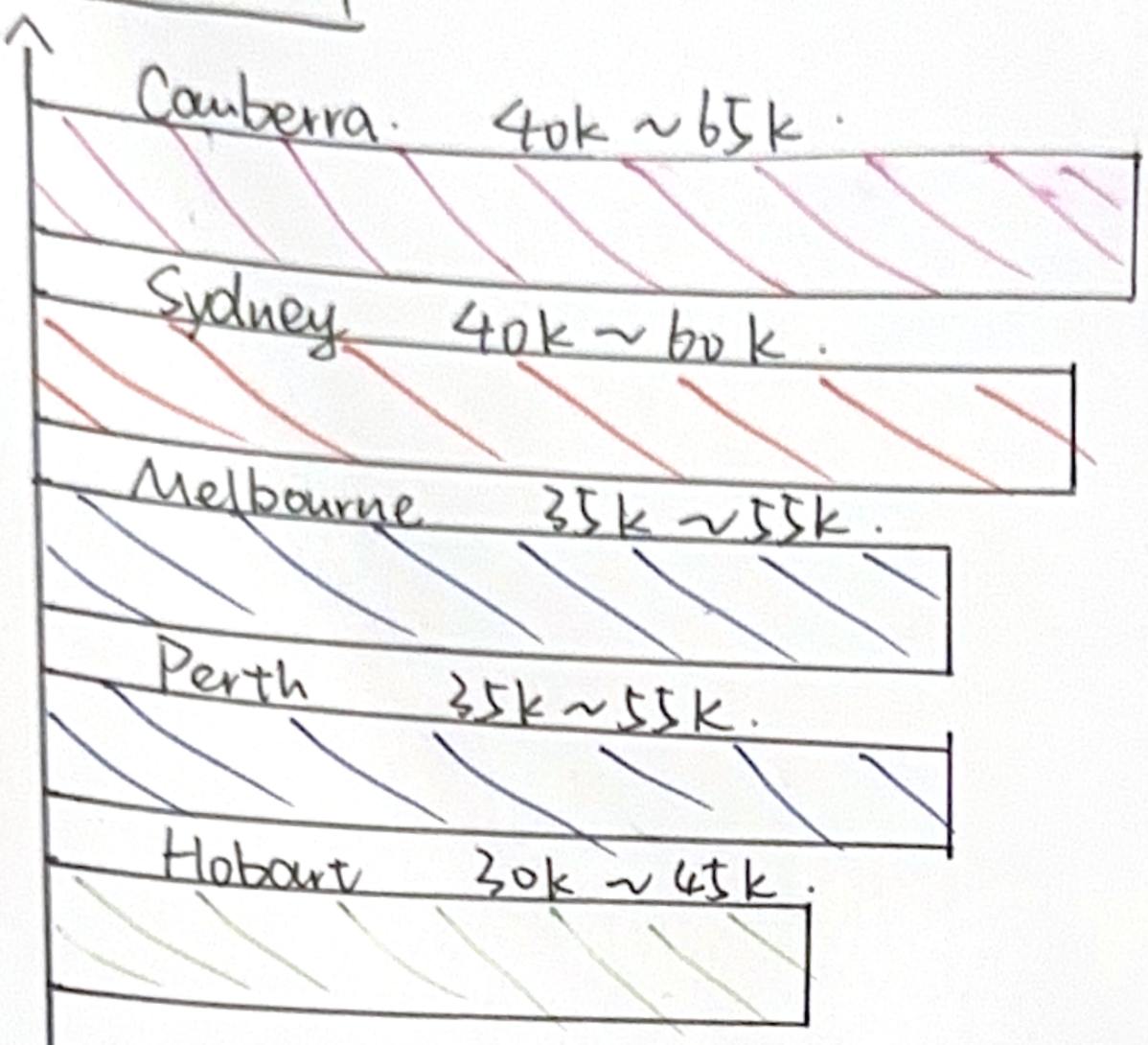
1. use graph and table clearly show the information
2. make people have a more intuitive understanding of the data.

Discussion:

1. people can make comparision more intuitively.
2. many types of graph shows more concise layout.



Layout



Title: Dashboard view.

Author: Leyuan Zong

Date: 29/9/2025

Sheet: 3.

Task: The (average) prices of vehicles in different brands distribution analysis.

Operation:

focus:

1. the main focus is on the Australia map. which is clearly show the popular brand in different city / state.

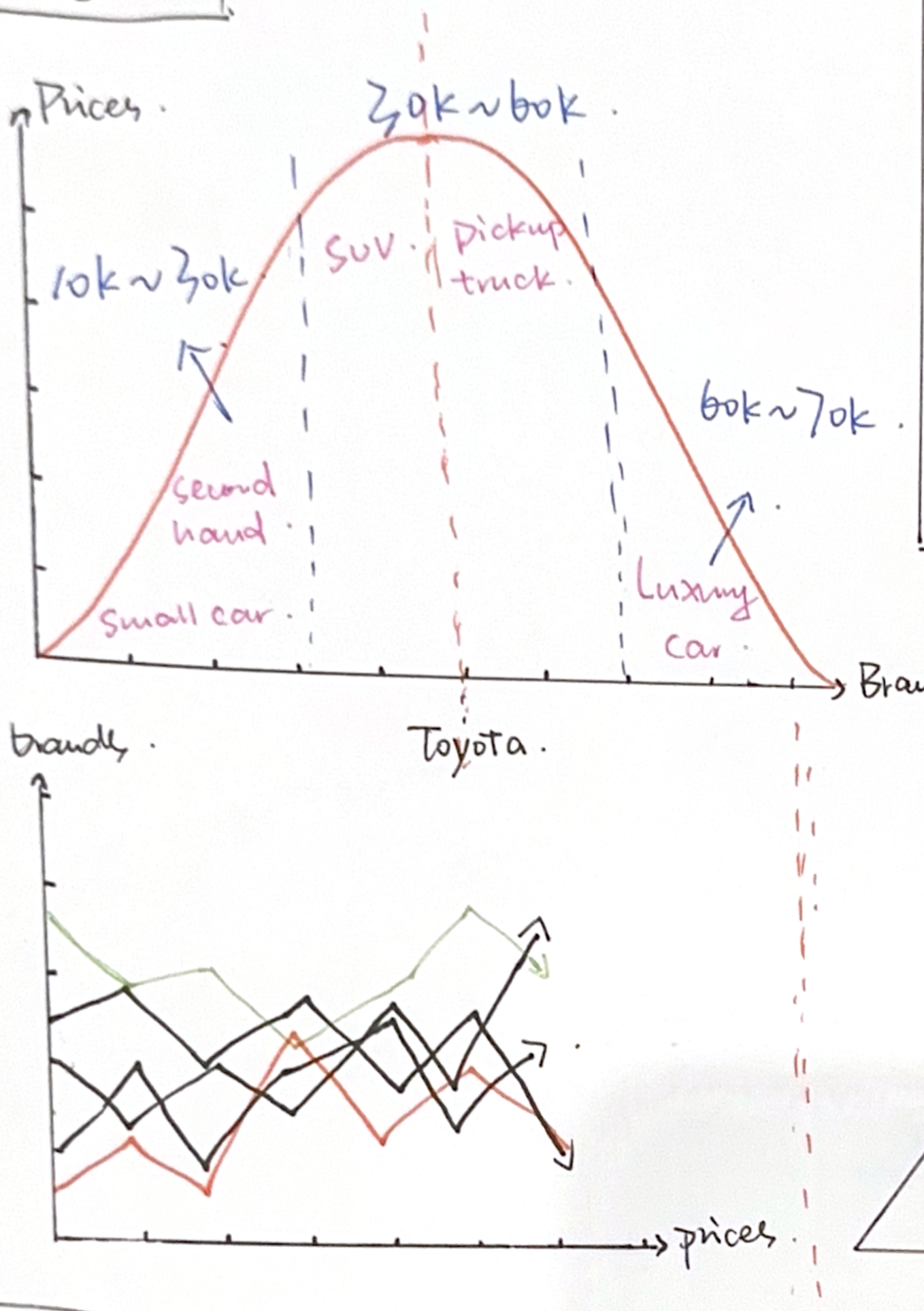
2. the chart can show the most common price people spend on their new vehicles in different city.

Discussion:

1. use map rather than graph / plot. shows the geographical location.

2. the map allows for comparison of regional perferences in car brands and prices, indirectly showing income differences among regions.

Layout



Title: Dashboard view

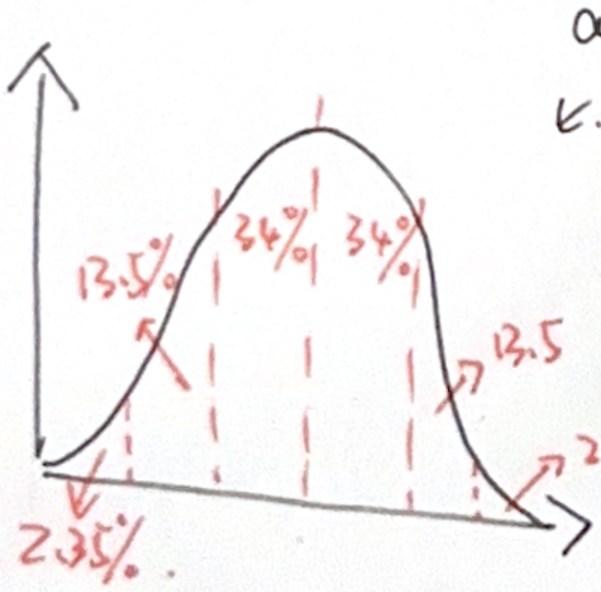
Author: Leynan Zong.

Date: 29/9/2025

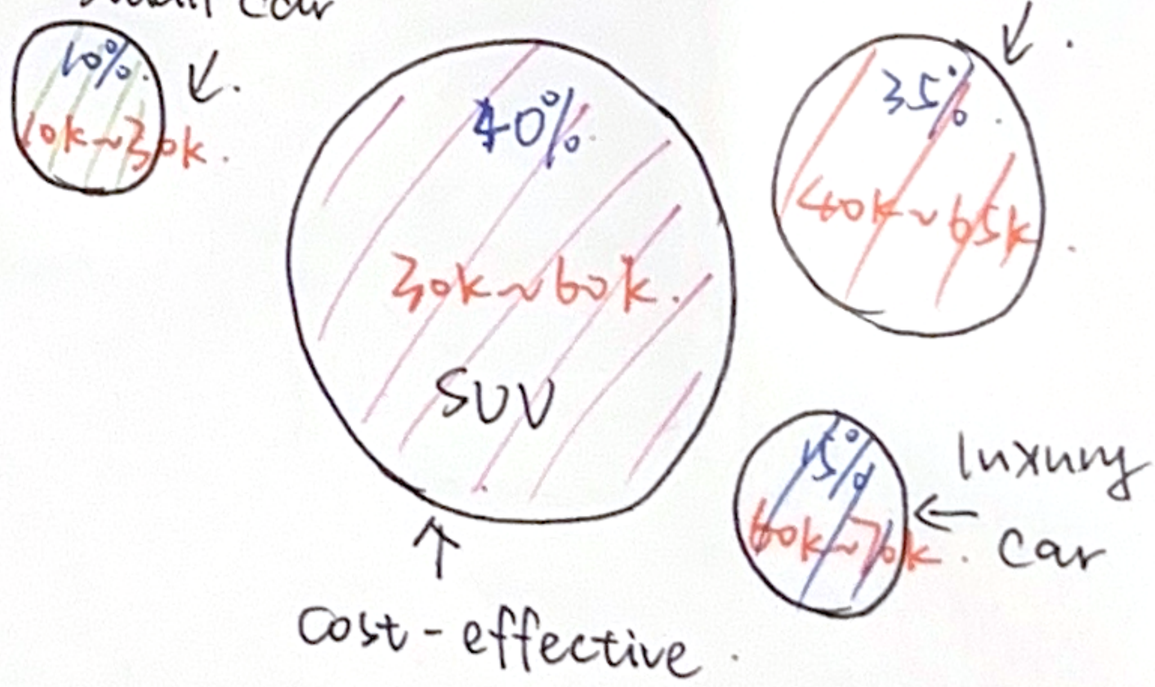
Sheet: 4

Task: the (average) prices of vehicles in different brands distribution analysis.

Operation:



analysis normal distribution. about common vehicle prices.



focus:

1. use normal distribution graph analysis is the main focus.
2. the line chart shows the increase/decrease about the prices during the yeers, & clearly show the ~~di~~ gradient.

Discussion:

1. more clearly show the prices used by these graph rather in sheet 2/3.
2. using normal distribution helps ~~vehi~~ visualize the car prices ranges the most popular among ~~custo~~ consumers.

Title: Dashboard view.

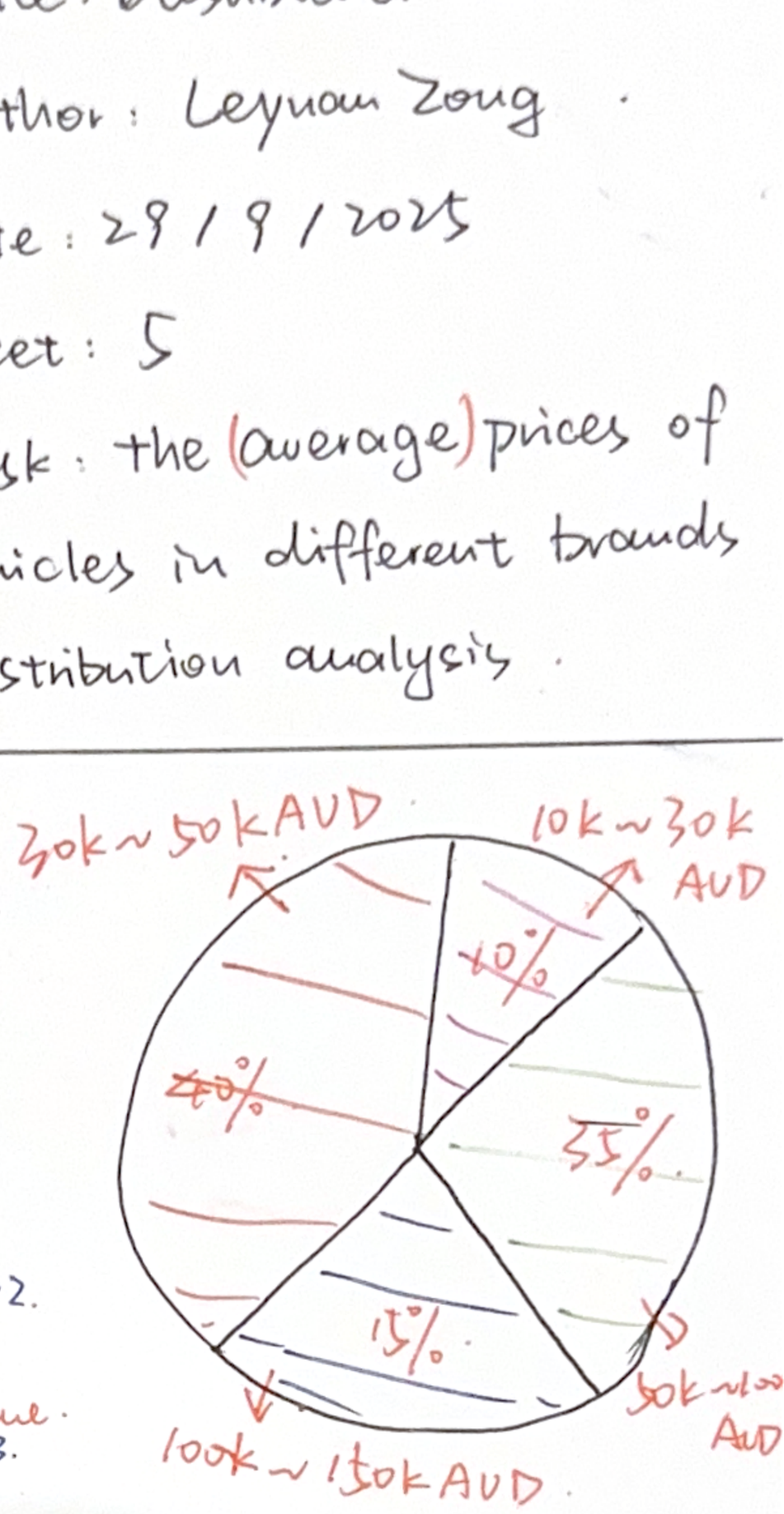
Author: Leyuan Zong.

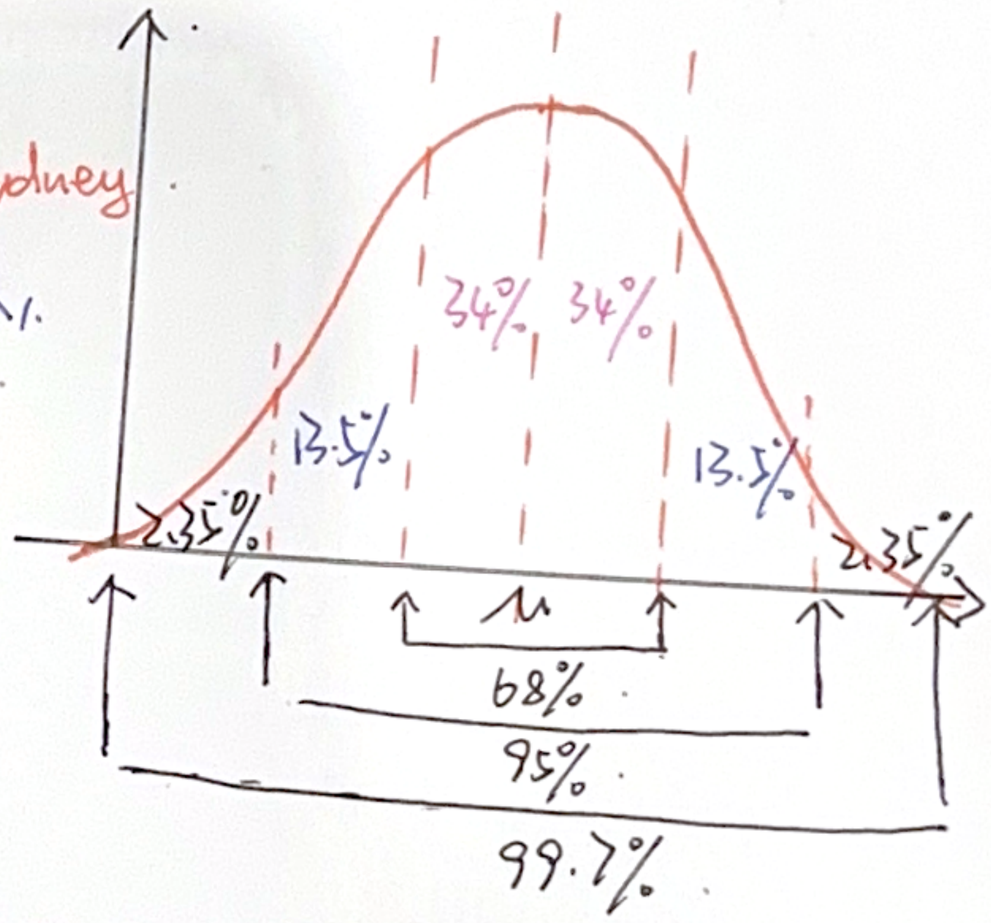
Date: 29/9/2025

Sheet: 5

Task: the (average) prices of vehicles in different brands distribution analysis.

Layout





Operation:

1. the map be the center.
2. Other graph used by analysis.

Focus:

1. Combined the most effective chart from previous sheets.
2. improved the overall layout.
3. provided more detailed visualization.
4. make people have a more intuitive understanding of the data. less likely to be confused or misunderstanding by figure.

Details:

1. use software library.
2. database implemented using csv files.
3. time to build: 1 week.