

Graphs/ Diagram → Should be persuasive, clear and interesting.

Data visualization is... art and science.
in effective way...
↓
should deliver accurate information.

Chapter 1

Readable Data → Visible Data.

Aesthetics (Colors, etc)

- Position, Shape, Size, Color...

types of Data

• Continuous Data

• Quantitative

• Discrete Data.

• qualitative

→ factor, level

Ex Dog, Cat, fish..

Ex)

Month	Day	Region	Observatory	Temperature
1	1	Chicago	USW00014819	25.6
1	1	San Diego	USW0093107	55.2
1	2	Houston	USW00012918	53.9

↓
Ordered
factor

↓
Ordered
factor

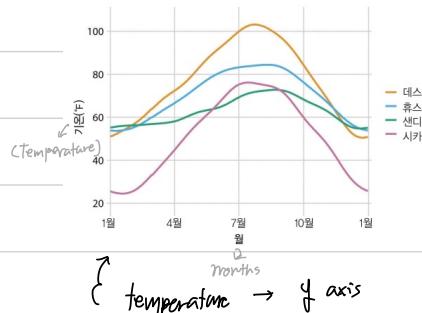
↓
Unordered
factor

↓
unordered
factor

↓
Continuous
Data.

Ex) Good, Better,
Best...

Data → visualize ...
 ↓
 Should think about 'Scale'
 * One feature of data.
 'one' visual feature.



Regions → Color

temperature → y axis



Region → y axis

Temperature → Color

Position scale

→ Both of [x, y axis] contains

non-continuous scale. → discrete.

use fixed interval in the graph.

ordered factor → follow order

non-ordered ...

in this case, put colder places (Chicago)
 on the top to make better color
 gradation,

blue
 ↓
 Red