Instruction of making Pitfalls

Description: Pitfalls show possible misinterpretations of a visualization. While there is a long list of technique independent pitfalls.

Step 1

Indentify pitfalls: missing labels, different but hard to perceive colors, not colorblind safe, or

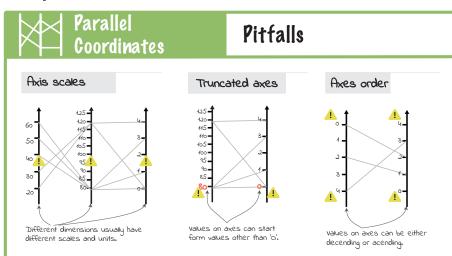
Step 2

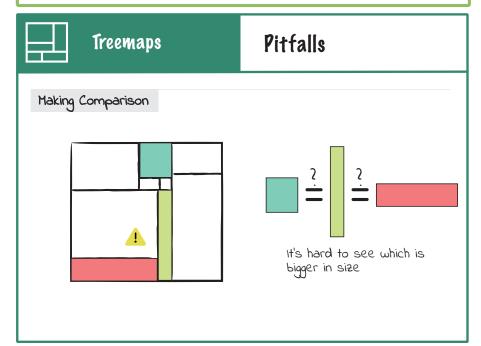
Give each pitfall a name, this Show correct and incorrect can be the position where the cases where appropriate

Step 3

pitfall is located (e.g., Axis scales) or a misinterpretation deception. (e.g., 'attach meaning to the axes' in time curve)

Examples:

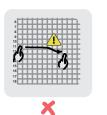




Design Guidlines:

Follow a row

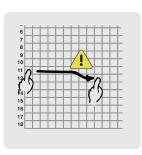
Be careful when following a row (or column), to not change into a neighboring

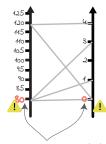




Show correct and incorrect cases where appropriate, show a√ or × to label incorrect and correct visualization respectively

Label the region of a fallacy with an ! symbol.





values on axes can start form values other than 'o'.

overlapping

The lower quartile and the median are overlapped, this occurs when the 25% of values are same between the lower quartile and the median.

The minimum and the lower quartile are overlapped, this occurs when the 25% of values are same between the minimum and the lower quartile.

