

Convert dense statements into digestible figures

A. Write dense statement

- B. Re-express** the logical content of the dense statement that you want to teach **as a list of short, simple sentences**. Examples of “short, simple sentences” include the following:
- Declare the **system**.
 - State **one relationship/trend** between two variables.
 - Describe a concrete possibility** and indicate whether it is rejected or not rejected according to the statement of interest.

- C. Draw a series of comic strip panels**, with each short sentence listed in part B clearly illustrated by 1-2 simple, iconic features in 1-2 panels.

- D. Narrate the comic strip panels using a series of questions**. Convert each newly introduced quantity, newly changed quantity, and association to be discovered among quantities into a question. Examples of questions include the following:
- “What does that arrow represent?”
 - “What does this sequence of clock icons mean? Does it mean that I gave up pushing after a moment? Did I keep pushing for a while?”
 - “Is the block whooshing to begin with?”
 - “Is the whooshiness of the block the same in the final picture?”
 - “Did the whooshiness of the block stay the same or change? How?”
 - “Two ingredients (forcefulness and duration) were present when we changed the whooshiness of the block. How can we know whether each of these ingredients was important for changing the whooshiness of the block?” [Try changing one factor at a time].
 - “Did I make the number of clock icons different?”
 - “What did I make different?”