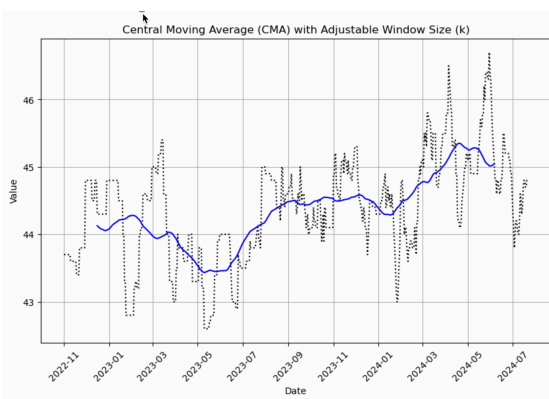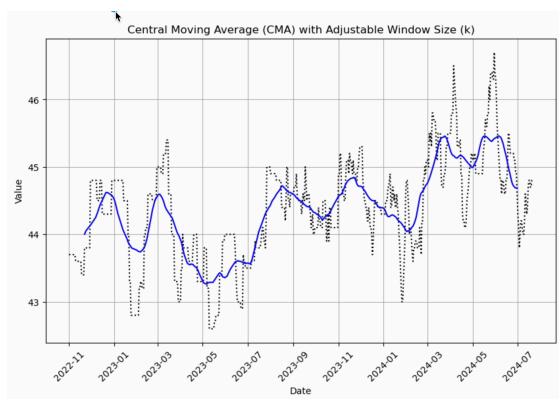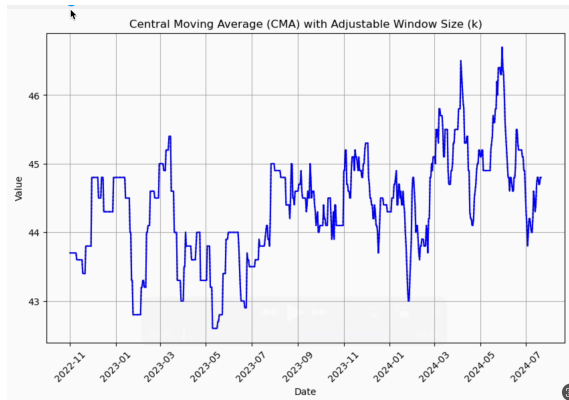We will run our experiment on the online platforms, such as Congnition.run and Revisit, and recruit participants on Prolifics.

The participants will look at the original visualization and several approximated gist of the given datasets. The order of visualizations will be randomized to counterbalance the learning effects.

After reading the visualization, the participants will be asked to make comparisons between data gists, and answer questions to evaluate. An example of the question would be:

"Which data gist best aligns with your expectations if you want to create a sketch to convey the insights you've gained from the dataset to others?"

After finishing all the trials, the participants will complete a demographics survey as below.

Which of the following best describes your gender? *

○ Female
○ Male
○ Non-binary
○ Prefer not to say

Please input your age in the text box below *

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Which of the following best describes your ethnicity? *

○ Asian/Pacific Islander
○ Black
○ Hispanic
○ White
○ Other/unknown

Which of the following describes your highest level of education? *

○ High school graduate
○ Some college, no degree
○ Associates degree
○ Bachelor's degree
○ Graduate degree (Masters, Doctorate, etc.)