



Algebra II Journal
Module 4: Inferences
Sneaking Statistics

This journal belongs to:

Module 4: Inferences

Algebra II Journal: Reflection 1

Respond to the following reflection activity and submit to your teacher.

The other lessons in this module have been in the context of weather and weather-related events. The graphs used in this lesson of the module have not been weather related.

To keep with the weather-related theme of the module, find (or create) a weather-related graph that presents misleading data.

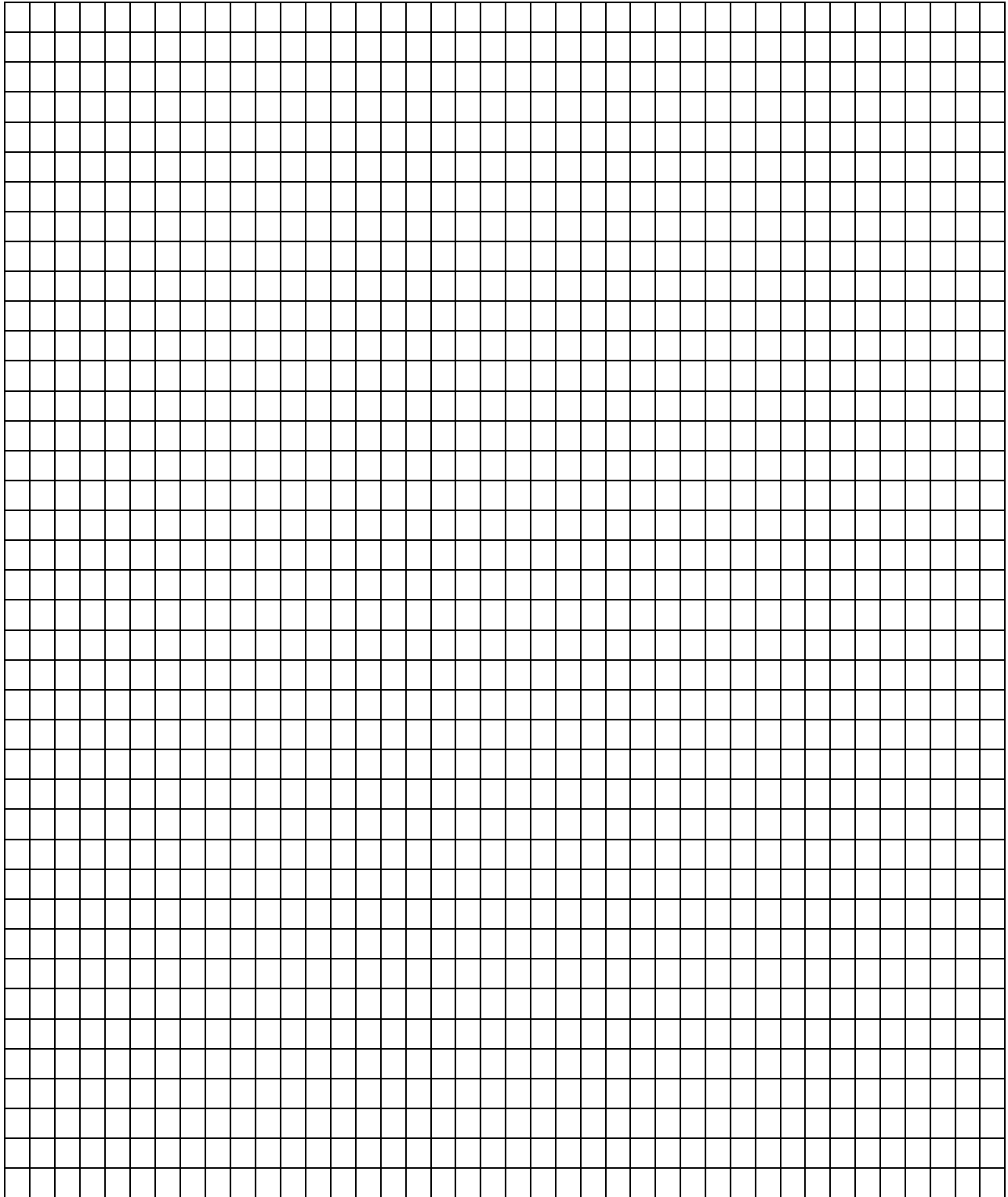
Reconstruct the graph so that it accurately presents the data.

Record both graphs. You may use the graphing paper on the following pages, your graphing calculator, or other graphing resources in the Calculator Resources section of the website.

Provide a summary as to what makes the first graph misleading, and how you avoid misleading representations in the second graph.

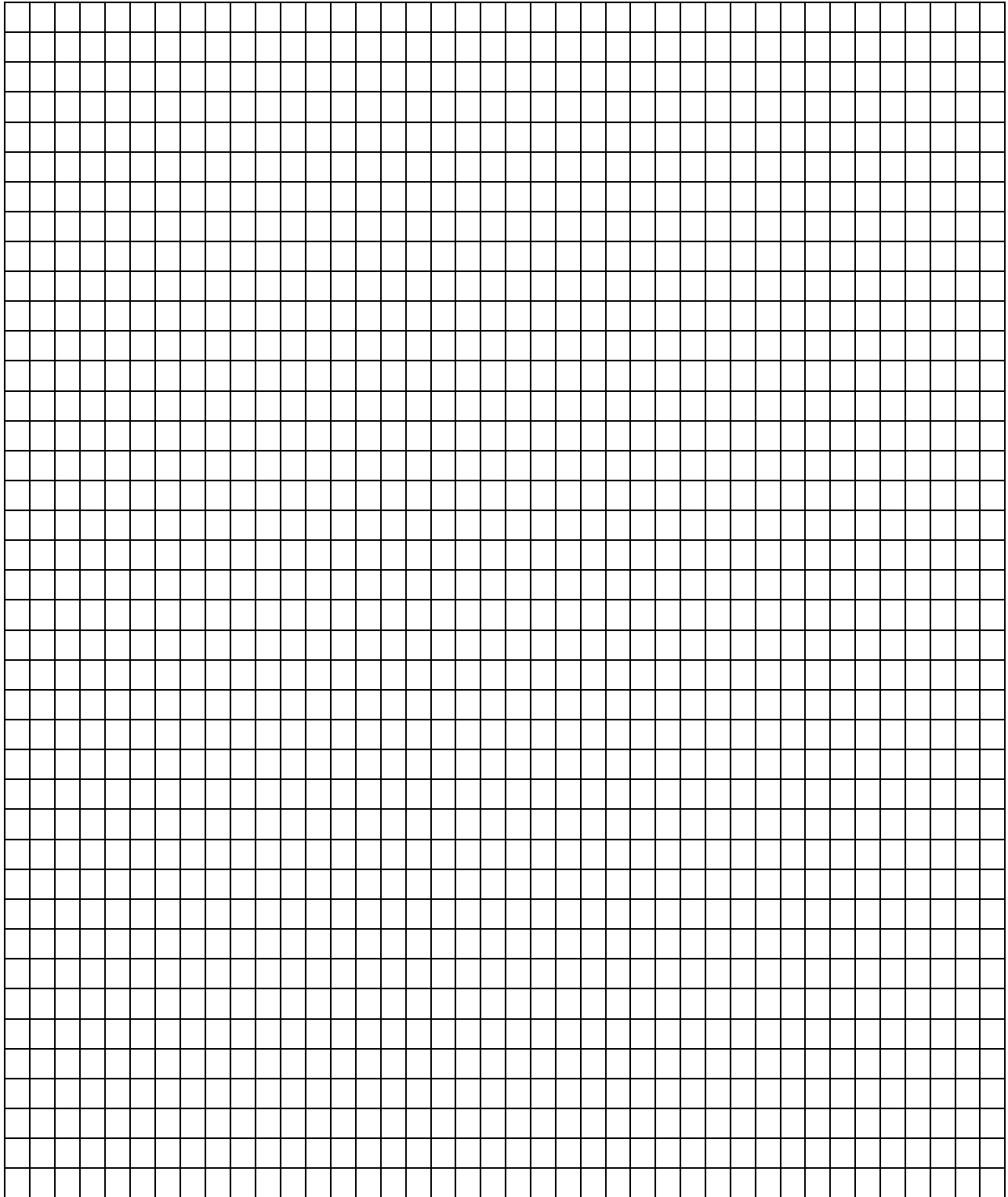
Module 4: Inferences

Graph 1



Module 4: Inferences

Graph 2



Module 4: Inferences

Algebra II Journal: Reflection 2

Respond to the following reflection questions and submit to your teacher.

Read the article, The Hidden Biases in Big Data found at

[HBR Blog Network](#)

Summarize the article's views on bias in statistical reports and research.

Use evidence from the article to answer the author's question: When presented with enough data, can numbers actually speak for themselves?