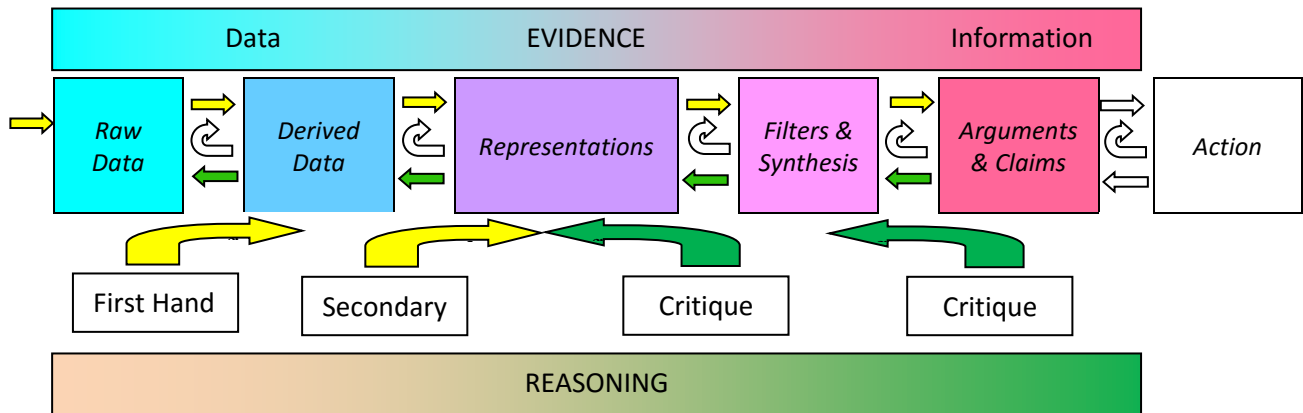


Student Final Assignment: *Salt Pollution*



To help you bring together what you've learned about data exploration and about salt pollution, please complete the following assignment.

1. Consider the 4 different arguments at the bottom of this page and think about which most interest or intrigue you. Rank the 4 Arguments from most (1) to least (4) interesting.
2. Your teacher will form small groups based on your interests. You will be focusing on that Argument for the rest of this assignment.
3. Read the Argument and the article associated with it. Identify:
 - a. the claim
 - b. the evidence presented (or not) in support of the claim
 - c. the reasoning included that uses scientific concepts to justify or explain how the evidence supports the claim.
4. On your own, prepare a short written report with these parts:
 - a. Your summary (in 1 paragraph) of
 - i. the claim
 - ii. the evidence presented (or not) in support of the claim
 - iii. the reasoning included that uses scientific concepts to justify or explain how the evidence supports the claim.
 - b. Your criticism of the argument based on the evidence provided. If you used other sources, list those sources and explain why you used them. Be as specific and thorough as possible. (1-2 paragraphs)
 - c. Your proposal for new research, using new or existing data, that would better address the question. (1-2 paragraphs)

Salt Pollution Arguments

1. Salt pollution is a big environmental problem because it not only damages ecosystems, but it also damages our cars, making us have to replace them more often. (Davis, 2009)
2. Salt pollution is a primary health concern for people throughout the country on low-sodium diets. (Rastogi, 2010)
3. The environment should be the first priority when deciding whether to salt roads in the winter. (Kelleher, 2008)
4. Using road salt saves lives, reducing crashes by 88% on winter roads, and it is cheaper than any other type of de-icer. (Salt Institute, 2012)