Chapter 2: Data-Driven Decision-Making

# Investigating Potential Causes of a Problem

## Corresponding reading: Chapter 2, Page 3

### Purpose: Listing potential causes of a problem and proposing a method to test each.

1. Consider a problem regarding the public health and safety in an urban area. You can search the internet to find good examples.
2. List at least 6 potential causes for the problem.
3. For **each** of the potential causes,
   * propose a method to figure out if that is the true cause.
   * What data you need for your proposed method? Is that data quantitative or qualitative?
   * How can you obtain the relevant data?

**Example:**

Problem: More hospitalizations due to food contamination.

Potential cause:

City water network contamination.

Proposed test: Taking samples from the city water network and testing the samples.

***Note:*** *Understanding the case and what you need to do is PART OF THE CASE. If you do not understand a specific part, or are not sure what you should do, you need to review the corresponding reading section in the text before asking for help. You might also need to do some search on the internet. That is all part of the case and your learning process.*