

Activity File: Threat Modeling Step 5: Risk Analysis

In this activity, you'll use the threats you identified in the previous activity to complete a quantitative risk assessment.

- You will out a spreadsheet with the identified risks and use it to generate a risk matrix and heat map for GeldCorp.

Risk Template

Access the spreadsheet here:

- [Risk Analysis Template](#)

Complete this activity using Google Sheets.

Note: You cannot edit this file. You will need to make a copy.

- Select **File > Make a Copy**.

You can access the following tabs at the bottom of the document:

- **Risk Assessment Data:** Contains descriptions of each risk, as well as probability and impact ratings.
- **Risk Matrix:** Matrix displaying how many risks of each severity level you've identified.
- **Heat Map:** Chart displaying whether you should make-do, monitor, manage, or mitigate each risk.
- **Risk Ratings:** Information on GeldCorp's risk rating guidelines.

Instructions

1. In the **Risk Assessment Data** tab, add the most critical risks that you identified in the previous activity.
 - Fill out the risk description, probability, and impact cells for each risk.

- :warning: When creating your heat map, only choose **probability** and **impact** values of 10, 20, 30 or 40. Otherwise, the heat map will malfunction.
2. Next, consider less critical risks. Add at least five additional risks that are medium- or high-impact, but are not very likely.
 3. When you have at least ten risks, move on to the **Risk Matrix** tab and take a moment to assess Geldcorp's risks.
 4. Move on to the **Heat Map**. Scroll down and click the **Update Chart Data and Labels** button on the left. Answer the following questions:
 - Which risks should you mitigate?
 - Which risks should you manage?
 - Which risks should you monitor?
 - Do these results align with your expectations?