Project 3 - Stage 2

In the second stage of this project, you need to implement your proposed solution in the first stage and then use your solution to perform an intelligence analysis of the given dataset.

As a reminder, the dataset used for this project is in the attachment in two formats (*.txt* files, and *.jig* file that can be used by Jigsaw). It includes 41 fictional intelligence reports of suspicious activities. Your goal is to identify the most important threats, with detailed information about *who* planned to do *what* on which day(s) (*when*).

Note: the quality of your findings will be considered for grading. As each report records some suspicious activities, you do not want to report your findings by simply rewriting all the reports. You need to identify the most important threats and may have to explore if there are any connections among activities from different reports.

After developing your solution, you need to use your technique to do the analysis. During your analysis process, you need to keep track of important steps (e.g., taking screenshots of your tools, recording your screen while using your tool to do the analysis, taking notes, etc.), which your technique leads you to some key findings.

Your submission should include two components: 1) your software solution and 2) a report. Your report should cover the following parts:

a) Description of your software solution
    1) How do you process the given dataset?
    2) Which visualizations are included in your software?
        i. For each visualization, what marks and channels are used?
        ii. Why do you choose to use these marks and channels?
    3) Instructions on running your software
b) Your findings for the given dataset
    1) What are your findings?
    2) How does your software help you to get these findings?
        i. For each reported finding, you need to describe the process that you take to get it.
        ii. You need to provide detailed evidence from your software (e.g., screenshots of your software, or screen recordings to demo the usage of your software) that has been captured in your analysis process to explain how your software is used in your analysis process.

For the software solution part, you should use good software engineering practices. Comment your code, use consistent formatting, use meaningful variable names, separate etc.

Write your report in MS Word. Use the “Times New Roman” font, 12 font size, and single line space. NO page limits. Grammar and document format will be considered in grading.