Peer Review - Group 11

Reviewed by group 9

Summary

The paper focuses on mainly on the hosting providers. The competitive strategy of the hosting providers is show that they provide the highest level of security to their customers. For a hosting provider to see how they are doing in comparison to their competitors, they would need a metric that can provide information on their security performance. The author has proposed six metrics and also did an evaluation of the metrics. From the evaluation of the metrics is seems that only one metric does not provide insights on the behaviour of the attacker. Therefore it is recommended that this metric should not be used. Hosting providers should consider using a metric that uses information of TLD (Top-Level Domain) and AS (Autonomous System), as this information provides insights on the behaviour of the attacker.

Strengths of the assignment

- An extensive list of references.
- Evaluation of the metrics: you proposed six metrics and discussed why a hosting provider should use a metric (or why they should not use the metric).
- Explanation on what part of the data you have used: You have explained that you did not use the whole dataset, but you also discussed the problems that could arise when using only part of the dataset.
- Adding additional attributes to the dataset: by adding more attributes to the dataset you could have derived more information that can help you with your research

Major Issues

- "Literature Review" was a bit confusing: the structure of this section is a bit confusing. It was a bit hard to tell when you are talking about the ideal metrics and when you are talking about the metrics that are being used in practice.
- Graphs are not that readable: text in the graphs (especially figure 6) are too small to read. Zooming in does not help either.

Minor Issues

- "For example, an increase of the level of security should lead to a decrease of the number of incidents". Is this not a positive relationship?
- An example or explanation could be given for the techniques that is described in section 3.1 (Techniques by Han et al).
- Even though you have added a line for each of the countries, the lines figure 4 are very close to each other. This makes the figure look cluttered