

Research Proposal Review

Considering your thoughts on your chosen area of interest for your project:

- **Which of the methods described in this week's reading would you think would suit your purpose?**

Generally, I lean towards quantitative methods where values can be compared before and after a solution or analysed according to a set model or mathematical paradigm. However, depending on my final research question this may need to use mixed methods (Saunders et al., 2019). For instance, if I compare the number of risks certain threat models produce, the comparison will use quantitative attributes of the data set, whereas acquiring the data set would use qualitative models. Therefore, I would possibly use a survey (Saunders et al., 2019; University of Liverpool Online Centre, 2019).

- **Which data collection methods would you consider using?**

To accomplish my survey I would use questionnaires with questions that would vary in openness (Saunders et al., 2019; University of Liverpool Online Centre, 2019).

- **Which required skills will you need to have or develop for the chosen project?**

To be able to appropriately assess cyber security risks and threats pertaining to rooftop solar inverters I will need to develop my understanding of relevant technologies. Additionally, I will need to revise the frameworks that are commonly used for risk assessments and threat modelling.

References

Saunders, M., Lewis, P., Thornhill, A. (2019) *Research Methods for Business Students*. Eighth Edition. United Kingdom: Pearson Education Limited.

University of Liverpool Online Centre. (2018) Introduction to Research Methods and Methodologies. Available from: <https://www.youtube.com/watch?v=nv7MOoHMM2k&t=1747s> [Accessed 15 May 2024].