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CSCI 330

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Quiz #3 – Threat of Validity

1. Internal: Internal validity refers to whether or not the experiments condition is significant, and is able to support a claim. Therefore, if the data gathered does not point to any specific claims, this poses a threat to the research’s validity as it is unclear as to the condition of the claim in the first place.
2. External: External validity refers to the ability for the outcomes concluded from the data gathered to become generalized. If the conclusions posed by the gathered data is not significant, and becomes somewhat irrelevant/generalized with unclear conclusions, this poses a threat to the validity of the research as well.
3. Construction: Construction validity refers to the ability to construct your research in a replicable, and reliable manner. Like any good experiment, all the research should be discussed in depth and replicable to have validity. If the construction of your research is not capable of creating this, it will no longer be valid as a result.
4. Conclusion: Conclusion validity threats refers to the ability for your data to conclude the wrong findings. Analyzing your data in a provable and observable way is essential. Seeing direct trends, leading to exact results, and then concluding with what is shown is the only way to create reliable and trustable conclusions. Under-analyzing the data, leading to incorrect conclusions threatens the experiments validity as well.

Reference:

Chong-Ho (Alex) Yu. (2021). *Threats to validity of Research Design*. Threats to Validity of Research Design. https://web.pdx.edu/%7Estipakb/download/PA555/ResearchDesign.html

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