Collaborate Learning Discussion 2 - Case Study: Accuracy of Information

Summary Post

The initial post highlights the importance of research integrity and the responsibility of researchers to report findings truthfully and accurately, as well as the ethical, social, legal, and professional obligations that researchers have by abiding by the ACM Code of Ethics (ACM, 2018) and the Ethical Guidelines for Statistical Practice (ASA, 2022). The post also highlights that research findings are often used to make critical decisions, and therefore, any manipulation of the data or analysis can undermine the credibility of the research (Lowenberg & Puebla, 2022).

Contributions to the discussion by Callaghan (2023) pointed out that Abi cannot control the usage of his findings once published and that the manufacturer's failure to comply with ethical and legal standards could result in legal proceedings, damaging their reputation and losing potential sales.

Furthermore, Wang (2023) emphasized the importance of presenting a complete picture of the analysis, not just the aspects that the manufacturer would be pleased to hear, and highlights the guidelines from the American Statistical Association (ASA) regarding the manner in which information is framed to avoid disproportionate harms to vulnerable groups (ASA, 2022). Wang (2023) further suggests that Abi could consider turning to the ASA first for guidance on his actions, given their expertise in statistics.

Overall, the discussion stresses the importance of research integrity, accurately reporting findings, and following ethical and legal guidelines. Any manipulation of the

data or analysis can undermine the credibility of the research, which can have significant legal, social, and professional implications.

References

ACM (2018) Association for Computing Machinery. ACM Code of Ethics and Professional Conduct. Available from: https://www.acm.org/code-of-ethics [Accessed 20 March 2023].

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Lowenberg, D & Puebla, I (2022) Responsible handling of ethics in data publication. *PLoS Biol* 20(3): 1-2. Available from: https://doi.org/10.1371/journal.pbio.3001606 [Accessed 21 March 2023].

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