

Journal Entry #2

Alexander Turnsek
1/23/2024

The principles of science relate to cybersecurity in several ways, for instance, the principle of parsimony. The principle of parsimony says that the simplest solution is generally better. This fits because more straightforward solutions rather than complex systems best serve cybersecurity. The principle of determinism also fits cybersecurity because cybersecurity involves identifying the specific causes of breaches rather than attributing them to random chance. Empiricism involves basing cyber defenses and best practices on real-world evidence and complex data about threats. Objectivity requires an impartial evaluation of security controls and policies driven strictly by factual analysis. Finally, ethical neutrality relates somewhat, although cybersecurity implementation demands social responsibility, privacy rights, laws, and human welfare considerations. Unchecked deployment without ethics risks overreach and harm.