

Quinn Doak

Professor Yalpi

CYSE201S

1/27/2025

Week 2 – Journal Entry

Cybersecurity has quickly become a necessity for every single company, which means jobs in many different fields have had to hire experts in Cybersecurity. Because of this, there's a needed overlap for people in Cybersecurity, and also other fields like the Sciences. All the core principles of science can easily be applied into cybersecurity, as it's a very interdisciplinary centered field. Empiricism ensures that cybersecurity strategies are based on observable evidence, such as threat data and attack patterns, rather than assumptions. Determinism implies that cyber incidents have identifiable causes, allowing proactive defenses. Parsimony advocates for simplicity in solutions, ensuring that security measures are efficient and minimize complexity. Objectivity requires unbiased analysis of threats and defenses, avoiding subjective judgments that could lead to issues. Together, these core principles help guide cybersecurity policies and procedures by laying down a solid, tested foundation.