

Isaac Flores

Professor Aslan

CYSE 201S

January 21 2024

Week #2 Journal Entry

Science can be summarized as the study of the physical world through observation and testing.

Science has been applied to many different fields including computer science and cybersecurity.

Science relating to cybersecurity often includes the study of violations of cyber laws, monitoring devices that may be under attack, and experimenting with tools to protect a device from being digitally attacked. Science is a very adaptable concept that has been applied to cybersecurity.

Cybersecurity continues to change and adapt to new advancements in technology. The science of cybersecurity is something that will probably continue to change. A principle of science is to gain knowledge through experimentation. I find this interesting because of how many threat actors try to discover flaws in systems through experimentation to learn how to better protect a system.

Isaac Flores

Professor Aslan

CYSE 201S

28 January 2024

Week #3 Journal Entry

The [privacyrights.org](https://www.privacyrights.org) website has information regarding data breaches that can be very useful in understanding various aspects of data breaches. The statistics in the website contain facts from surveys displaying organizations with the largest number of data breaches, states with the most data breaches, and the type of data breach. Understanding the main targets of data breach attacks is very valuable information as businesses that are more likely to get attacked can spend more money in data breach protection. Geography is often important when learning about data breaches as it can relate to population density, company headquarters, and laws that can dictate whether data breaches are more likely to occur in certain areas. Types of data breach are also important to consider when learning about data breaches. New technology keeps being invented and so are the vulnerabilities to that new technology.