



Task 9 Research skills 3

Study Title

Artificial Intelligence Based Cyberattack
Detection in Critical Networks in the
Comoros_A Population and Sampling
Approach

Field:
Cybersecurity

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Task 9 :Research Skills (3)

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السلام عليكم ورحمة الله وبركاته

In this presentation, I will discuss the methodology for documenting scientific references according to the APA standard, incorporating both Arabic and foreign references within the body of the research.

According to the course, the APA method ensures consistency, transparency, and scientific credibility in academic writing.

This presentation is based on my research topic in cybersecurity, focusing on the use of artificial intelligence in detecting cyberattacks in critical networks.



Introduction with references

With the rapid evolution of digital technologies, cyberattacks represent a growing threat to critical infrastructures. Several studies have shown that artificial intelligence plays an important role in enhancing detection systems. For example, machine learning techniques allow the identification of abnormal behaviors in networks (Sarker, 2021). Similarly, the work of Ian Goodfellow (2016) demonstrated the effectiveness of deep learning in analyzing complex data. In the Arab context, some studies have also addressed the challenges of cybersecurity, notably (العلي، 2020) and (الحربي، 2019) which emphasized the importance of strengthening security systems in public institutions. These contributions show that cybersecurity has become a strategic field requiring innovative solutions.

Previous studies with references Foreign studies (several authors)

Several international studies have analyzed the relationship between artificial intelligence and cybersecurity. For example, a study conducted by Sommer Robin and Vern Paxson (2010) showed that machine learning techniques improve intrusion detection. Similarly, a study by Nathan Shone and his colleagues (2018) demonstrated that deep learning models allow for better accuracy in the detection of cyberattacks.

Arabic studies (several authors)

In the Arab context, a study conducted by par (محمد و أحمد، 2021) analyzed the impact of cybersecurity on the protection of information systems.

Another study carried out by (حسن و علي، 2020) highlighted the importance of modern technologies in preventing cyberattacks.

Foreign studies (single author)

Some individual research has also contributed to this field. For example, (Sarker, 2021) proposed a comprehensive analysis of the use of machine learning in cybersecurity. Similarly, William Stallings (2018) presented the fundamental principles of computer security.

Arabic Studies (single author)

In individual Arab studies, (العلي، 2020) studied cybersecurity strategies in government institutions. Moreover, (الحربي، 2019) analyzed the challenges related to the protection of computer networks.

Importance of APA documentation

يساهم في : APA، توثيق المصادر بطريقة According to the course

- ☐ توحيد طريقة الكتابة العلمية
- ☐ ضمان مصداقية البحث
- ☐ تسهيل التحقق من المصادر

The correct use of references in the text also helps to avoid plagiarism and to strengthen the academic quality of the work.

In conclusion, documenting scientific references according to the APA method is an essential step in any academic research. Integrating Arabic and foreign references العربية والأجنبية داخل متن البحث يعزز من قوة الدراسة ومصداقيتها.

Thank you for your attention ,Wa Billahi Tawfiq.

Reference Frameworks

- 1) Foreign references (single author) Sarker, I. H. (2021). Machine learning for cybersecurity. William Stallings (2018). Computer Security: Principles and Practice.
- 2) Foreign references (several authors) Robin Sommer & Vern Paxson (2010). Intrusion detection. Nathan Shone et al. (2018). Deep learning intrusion detection.
- 3) العلي، محمد. (2020). الأمن السيبراني في المؤسسات الحكومية. الحربي، أحمد. (2019). حماية الشبكات المعلوماتية.
- 4) محمد، أحمد. (2021). الأمن السيبراني. حسن، علي. (2020). تقنيات حماية الشبكات.



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Thank You

