

Research Skills RSC777

Assignment 7

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Part

1

Research Title : العنوان

"The research paper

"Harnessing GPT-4 for generation of cybersecurity GRC policies: A focus on ransomware attack mitigation “

Article link :

<https://www.sciencedirect.com/science/article/pii/S0167404823003346/pdf?md5=ef50da7fe3531f23ca3388f10c7b8520&pid=1-s2.0-S0167404823003346-main.pdf>

Part

2

Research Objectives : أهداف الدراسة

Data Sources: Reports from NIST, Trend Micro, etc.

Sample: Policies from cybersecurity vendors and government agencies.

Data Collection: GPT-4 generates policies based on problem descriptions.

Part

2

Research Objectives : أهداف الدراسة :

Statistical Methods:

Game theory for effectiveness.

Cost-benefit analysis for efficiency.

Jaccard similarity for completeness.

Strengths: Comprehensive, multi-method approach.

Weaknesses: Reliance on non-sensitive data may limit generalizability.

Part

3

Key Takeaways : الخلاصة

No sampling formula was used because the study analyzed documents, not human respondents.

Selection was criteria-driven to ensure relevance and comparability.

Future extensions (e.g., expert surveys) could incorporate sampling formulas.