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Abstract

[Suggestions: No more than 250 words. No citations. Define abbreviations at their first mention.]

The abstract should state briefly the purpose of the research, the principal results and major conclusions. Unstructured.

Keywords: Data mining, cryptographic protocols, data anonymization, resilience, deep learning, cost function, cloud computing

[Please suggest 3-8 keywords which can be used for describing the content of the manuscript and will enable the full text of the manuscript to be searchable online.]

1. INTRODUCTION

The introduction is a beginning section of a manuscript which states the purpose of the study, overviews or summarizes previous findings and progress related to this study, and indicates its significance in this research field. It is generally followed by the body and discussion.



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2. METHODS

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2.1. Level 2 heading

[e.g., *Statistical analyses*]

2.1.1 Level 3 heading

[e.g., *Data distributions, outliers and linear regression*]

3. RESULTS

This section shows the main findings of your study. It may contain conclusive description, analysis, and comparison with other related research results, etc. Authors may set headings to separate the results of different experiments in this section. [Table 1](#) (other forms: [Tables 1 and 2](#); [Tables 1-3](#)), [Equation \(1\)](#) [other forms: [Equations \(2\) and \(3\)](#); [Equations \(4-6\)](#)] and [Figure 1](#) (other forms: [Figure 1A and B](#); [Figure 2A-C](#); [Figures 1 and 2A](#); [Figures 1, 2A and 3-5](#)) show the examples of diagrams. All the tables, equations and figures should be cited in sequence in the main content near to the first time they appear. For supplementary material, authors may cite table, equation and figure like [Supplementary Table 1](#), [Supplementary Equation \(1\)](#) and [Supplementary Figure 1](#). For details, you may refer to [Supplementary Material Template](#).

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- Results should be presented in a logical sequence;
- Avoid redundant explanations to all the data from the tables or illustrations.

Table 1. This is a table caption. A summary description of this table should be written here^[?]

Tag type	NDEF	Secure messaging	SDM	Random ID	Digital Sig.	Authentication	Memory access protection
NT4H2421Gx	✓	✓	✓	✓	✓	✓	✓
NTAG21x	✓				✓		✓
NTAG210					✓		

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$$S_i = \sum_{j=1}^n W_j X_j \quad (1)$$

Equation notes:

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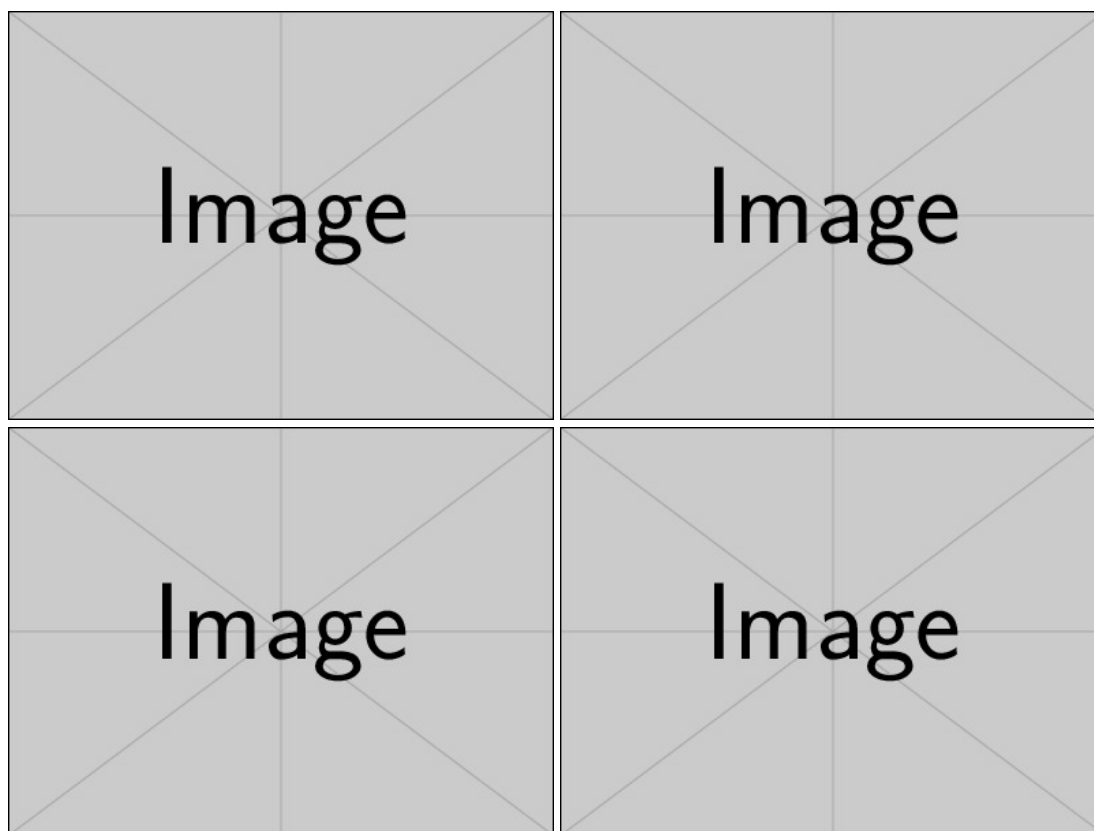


Figure 1. We present examples of a Reliability Block Diagram of Air XXX airplane crash in Figure 1A-C. A: description of what the Figure 1A is; B: description of what the Figure 1B is; C: description of what the Figure 1C is. This figure is quoted with permission from XX et al. [?]]

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This section is not mandatory, but can be added to the manuscript if the discussion is unusually long or complex.

6. PATENTS

This section is not mandatory, but may be added if there are patents resulting from the work reported in this manuscript.

DECLARATIONS

Acknowledgments

Anyone who contributed towards the article but does not meet [the criteria](#) for authorship, including those who provided professional writing services or materials, should be acknowledged. Authors should obtain permission to acknowledge from all those mentioned in the Acknowledgments section. This section is not added if the author does not have anyone to acknowledge.

Authors' contributions

Single author:

The author contributed solely to the article.

Two or more authors:

Made substantial contributions to conception and design of the study and performed data analysis and interpretation:
Salas H, Castaneda WV;

Performed data acquisition, as well as provided administrative, technical, and material support: Castillo N, Young V

Availability of data and materials

Authors should declare where the data supporting their findings can be found. Data can be deposited into data repositories or published as supplementary information in the journal. Authors who cannot share their data should state that the data will not be shared and explain it.

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REFERENCES

1. Weaver DL, Ashikaga T, Krag DN, Skelly JM, Anderson SJ, et al. The title of the cited article. *Journal Abbreviation* 2011;364:412–21. [DOI: xxxxxx]
2. Name of Program Research Group. The title of the cited article. *Journal Abbreviation* 2002;40:679–86. [DOI: xxxxxx]
3. Vallancien G, Emberton M, Harving N, van Moorselaar RJ, Alf-One Study Group. The title of the cited article. *Journal Abbreviation* 2003;169:2257–61. [DOI: xxxxxx]
4. Zhang X, Xiong H, Ji TY, Zhang YH, Wang Y. The title of the cited article. *Journal Abbreviation* 2012;27:1903–7.
5. Odibo AO. The title of the cited article. *Journal Abbreviation* 2018. [DOI: xxxxxx]
6. Sherlock S, Dooley JS. Book title. 9th ed. Oxford: Publisher; 1993.
7. Meltzer PS, Kallioniemi A, Trent JM. Book Title. In: Vogelstein B, Kinzler KW, editors. The title of chapter. New York: Publisher; 2002. pp. 93–113.
8. Title of Site. The title of the cited article; 2017. Available from: [URL](#). [Last accessed on Day Month Year]
9. Harnden P, Joffe JK, Jones WG, editors. Book title. New York: Publisher; 2002.
10. Christensen S, Oppacher F. The title of the cited article. In: Foster JA, Lutton E, Miller J, Ryan C, Tettamanzi AG, editors. Name of the Conference 2002: Proceedings of the Name of the Conference; 2002 Apr 3–5; City, Country. Berlin: Publisher; 2002. pp. 182–91.
11. Tian D, Araki H, Stahl E, Bergelson J, Kreitman M. The title of the cited article;. *Journal Abbreviation Country*. Forthcoming 2002.