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Optimizing the Data Loss Prevention Level Using Logic Paraconsistent Annotated Evidential $E\tau$

[Liliam Sayuri Sakamoto](#) , [Jair Minoro Abe](#), [Jonatas Santos de Souza](#) & [Luiz Antonio de Lima](#)

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Abstract

Currently, corporations worldwide have a problem that grows

exponentially: orchestrating the organization and understanding structured and unstructured data.

These unstructured data can be grouped in repositories, for isolated and random data entry, however on the other hand the data loss analysis, that is, data loss prevention, where some criteria of artificial intelligence create templates that are monitored, and that, because they are very restricted, also present contradictions and flaws. The focus of this study is to optimize this analysis by minimizing the level of data loss using the Logic Paraconsistent Annotated Evidential $E\tau$. With a bibliographic review on DLP—Data Loss Prevention, Logic Paraconsistent Annotated Evidential $E\tau$, Artificial Intelligence techniques, and data protection. With the use of a Python program, and applied research will be carried out with data

from a financial company, which presents 40% of data loss in its analysis with this process of Artificial Intelligence, in comparison with the minimization of this data loss with the use of Logic Paraconsistent Annotated Evidential E_{τ} to 25%, that is, a difference of 15%.

Keywords

DLP—Data Loss Prevention

Logic paraconsistent Annotated evidential E_{τ}

Artificial intelligence

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Author information

Authors and Affiliations

Paulista University, 1212 Dr.

Bacelar Street, São Paulo, Brazil

Liliam Sayuri Sakamoto, Jonatas

Santos de Souza & Luiz Antonio de

Lima

Graduate Program in Production

Engineering, Paulista University,

São Paulo, Brazil

Jair Minoro Abe

Corresponding author

Correspondence to [Liliam Sayuri Sakamoto](#).

Editor information

Editors and Affiliations

**Graduate Program in Production
Engineering, Paulista University,
São Paulo, Brazil**

Jair Minoro Abe

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