

Unveiling the Invisible an In-depth Analysis of Text Steganography

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Objectives

- To introduce what steganography is
- To tell about the main methods of text steganography
- Provide an algorithm for the White Spacing method
- Analyse the disadvantages of text steganography

Introduction

Text steganography

is the art and science of concealing hidden messages inside ordinary text without raising red flags.

Text steganography can be classified into different types based on the techniques used to hide the secret message in the text.

A. Linguistic Steganography

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1) Synonym Substitution

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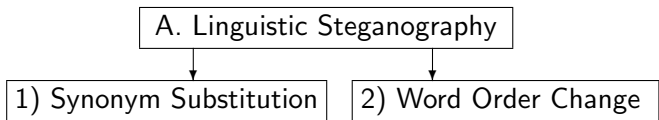
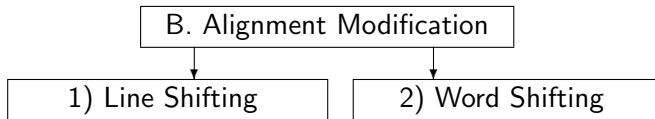


Table: Synonym Substitution

Words	Synonyms
Leave	Depart, Go away
Port	Harbour, Dock
Subsequent	Successive, Later
Consequence	Result, Effect

Table: Word Order Change

American Sp.	British Sp.
Favorite	Favourite
Criticize	Criticise
Fulfill	Fulfil
Center	Centre



Apparently neutral's protest is thoroughly discounted and ignored.
Islam hard hit. Blockade issue affects pretext for embargo on
by-products, ejecting suets and vegetable oils.

How are you. I am fine.
How are you. I am fine.

Discussion

The challenges of resilience and detection present notable obstacles within the domain of text steganography. However, it is crucial to guarantee that the covert data remains confidential and imperceptible to unapproved entities. Notwithstanding, antagonists may utilise diverse techniques, including statistical analysis or textual comparison, to detect the existence of concealed messages.



Conclusions



Text steganography is a useful technique for secret communication and data authentication in many different fields. Applications for it can be found in a variety of fields, including encrypted messaging, digital rights management, covert information transmission, and

cybersecurity. Text steganography, however, faces a number of difficulties that scholars are working to solve.

- 1 Objectives
- 2 Introduction
- 3 Text modification methods
- 4 Discussion
- 5 Conclusions