PaperRater

NLP and Geospatial Techniques for Outbreak Detection in Unified Medical Systems: A Comprehensive Review Based on the RoBERTa Model Devadethan R?, Jetty Benjamin? ?PG Scholar, Department of Computer Applications, Amal Jyothi College of Engineering (Autonowmous), Kanjirappally, Kerala, India, devadethanr2025@mca.ajce.in ?Assistant Professor, Department of Computer Applications, Amal Jyothi College of Engineering (Autonomous), Kanjirappally, Kerala, India, jettybenjamin@amaljyothi.ac.in Abstract The effective detection and monitoring of disease outbreaks are crucial for ensuring timely public health responses, especially in high-density regions like India. Traditional outbreak monitoring relies heavily on epidemiological data collection, which often faces... (only first 800 chars shown)

Analysis complete. Our feedback is listed below in printable form. Some of the items have been truncated or removed to provide better print compatibility.

🔍 *Plagiarism Detection*

Original Work

Originality: 97%

➕   Excellent job! There are no signs of plagiarism throughout your work.

The following web pages may contain content matching this document:
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Click the button above to see which portions of your text match which sources. This is a premium-only feature.

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🔳 *Word Choice*

Usage of Bad Phrases

Bad Phrase Score: 0.42 (lower is better)
The Bad Phrase Score is based on the quality and quantity of trite or inappropriate words, phrases, egregious misspellings, and cliches found in your paper. You did equal or better than **100%** of the people in your grade.

You

Excellent work! Your phrases scored much higher than average.

⭐ *Style*

Usage of Transitional Phrases

Transitional Words Score: 41
This score is based on quality of transitional phrases used within your paper. You did equal or better than **13%** of the people in your grade.

❌ **Your usage of transitional phrases is below average.** Please review the writing tips below.

One sign of an excellent writer is the use of transitional phrases (e.g. therefore, consequently, furthermore). Transitional words and phrases contribute to the cohesiveness (http://www.PaperRater.com/vocab_builder/show/cohesiveness) of a text and allow the sentences to flow smoothly. Without transitional phrases, a text will often seem disorganized and will most likely be difficult to understand. When these special words are used, they provide organization within a text and lead to greater understanding and enjoyment on the part of the reader.

The following transitional phrases were found in your document:
and, especially, thus, however, particularly

Consider using additional transitions where appropriate:
- consequently (http://paperrater.com/vocab_builder/show/consequently)
- moreover (http://paperrater.com/vocab_builder/show/moreover)
- nevertheless (http://paperrater.com/vocab_builder/show/nevertheless)
- notwithstanding (http://paperrater.com/vocab_builder/show/notwithstanding)
- accordingly (http://paperrater.com/vocab_builder/show/accordingly)
- conversely (http://paperrater.com/vocab_builder/show/conversely)
- ordinarily (http://paperrater.com/vocab_builder/show/ordinarily)

Transitional phrases may be used in various places in a text:
- between paragraphs
- between sentences
- between sentence parts
- within sentence parts

Consider this example:
I lost my money; **therefore**, I could not buy a ticket.

The word **'therefore'** contributes to greater unity or cohesion between sentences and allows the text to flow more smoothly.

⭐ *Style*

Sentence Length Info

Total Sentences: 72
Avg. Length: 18.0 words
Short Sentences (< 17 words): 27 (38%)
Long Sentences (> 35 words): 2 (3%)
Sentence Variation: 10.2 words (std deviation)

➕ There is no 'perfect' sentence length, but your average sentence length is within an acceptable range.

Line chart of the length of each sentence (first 50 sentences). A jagged chart indicates variation.

💬 Helpful Resources:

- Effective Use of Sentence Length (http://blog.paperrater.com/2015/05/effective-use-of-sentence-length.html)

⚙ *Vocabulary Words*

Usage of Academic Vocabulary

Vocabulary Score: 681.28
This score is based on the quantity and quality of scholarly vocab words found in the text. You did equal or better than **100%** of the people in your grade.

You

Vocabulary Word Count: 182
Percentage of Vocab Words: 17.36%
Vocab Words in this Paper (top 20):
nuanced, underscores, geospatial, comprehensive, autonomous, epidemiological, methodologies, retrospective, transformative, interventions, facilitates, contextual, integrating, implementation, prevalence, containment, foundational, multimodal, efficacy, unified

➕ **Outstanding job!** You really know your vocab. Take a look at our Vocab Builder (http://www.PaperRater.com/vocab_builder/index) if you want some extra practice.

Tips

Whether you are writing for a school assignment or professionally, it is imperative that you have a vocabulary that will provide for clear communication of your ideas and thoughts. You need to know the type and level of your audience and adjust your vocabulary accordingly. It is worthwhile to constantly work at improving your

knowledge of words. To help with this task, please consider using our Vocabulary Builder (http://www.PaperRater.com/vocab_builder/index) to improve your comprehension and usage of words.