Correlation Disparities Between Human and Synthetic Attention Metrics in Multimodal Models

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How does the correlation between human attention benchmarks and synthetic metrics vary across different types of multimodal models (e.g., vision-language models vs. pure visual models) on downstream. In this paper we report the set-up and results of the Multimodal Brain Tumor Image Segmentation Benchmark (BRATS) organized in conjunction with the MICCAI 2012 and 2013 conferences. Twenty state-of-the-art tumor segmentation algorithms were applied to a set of 65 multi-contrast. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 7.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). Research question: How does the correlation between human attention benchmarks and synthetic metrics vary across different types of multimodal models (e.g., vision-language models vs. pure visual models) on downstream task performance?.

2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 7.3/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 7.3/10.

4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

References

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- https://doi.org/10.1109/tmi.2014.2377694
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