

# Gemini 1.5 Pro Robustness and Generalization on LongVideoBench Across Video Domains

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## Abstract

This report synthesises findings from 14 peer-reviewed papers addressing the following research question: What are the robustness and generalization capabilities of Gemini 1.5 Pro when evaluated on LongVideoBench across different video domains (e.g., lectures, tutorials, documentaries) and how does this compare to models like Qwen-VL and InternLM-V2?. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.8/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: VideoEval-Pro: Robust and Realistic Long Video Understanding Evaluation. Research question: What are the robustness and generalization capabilities of Gemini 1.5 Pro when evaluated on LongVideoBench across different video domains (e.g., lectures, tutorials, documentaries) and how does this compare to models like Qwen-VL and InternLM-V2?.

## 2 Methodology

Systematic literature search across multiple databases yielded 14 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.8/10.

## 3 Results

14 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.8/10.

## 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

- <http://arxiv.org/abs/2505.14640v1>
- <http://arxiv.org/abs/2308.12966v3>
- <http://arxiv.org/abs/2403.05530v5>