

DeepSeek-PRCT



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The model can be accessed and downloaded from its Hugging Face repository; <https://huggingface.co/erikbranmarino/DeepSeek-PRCT>

Researchers



- Erik Bran Marino
- Renata Vieira

These researchers are affiliated with Universidade de Évora.

Summary

DeepSeek-PRCT is a LoRA fine-tuned version of DeepSeek-R1-Distill-Qwen-14B, a reasoning-optimized language model adapted for detecting Population Replacement Conspiracy Theory (PRCT) content. Trained on informal Portuguese Telegram messages, it demonstrates exceptional cross-domain transfer to Italian news headlines, achieving the highest F1-macro (0.892) among evaluated configurations. It leverages reasoning chains with <think> tags for explicit logic processing.

What We Offer

- High-Accuracy Model: A 14B parameter model optimized for formal journalistic discourse.
- Reasoning Chains: Transparent thought processes leading to classification via <think> tags.
- Cross-Domain Transfer: Exceptional performance on formal text despite being trained on informal data.

Key Features

- Best-in-Class Formal Analysis: F1-macro of 0.892 on formal news text.
- Reasoning Architecture: Benefits from formal text structure for explicit logical analysis.
- Multilingual Input: Supports text in Portuguese, Italian, and Spanish.

Collaboration Objectives

- Journalists and Media Analysts: Ideal for tracking and analyzing PRCT narratives in formal news and media.
- NLP Researchers: Facilitate understanding of domain transfer and the use of reasoning tags in conspiracy detection.