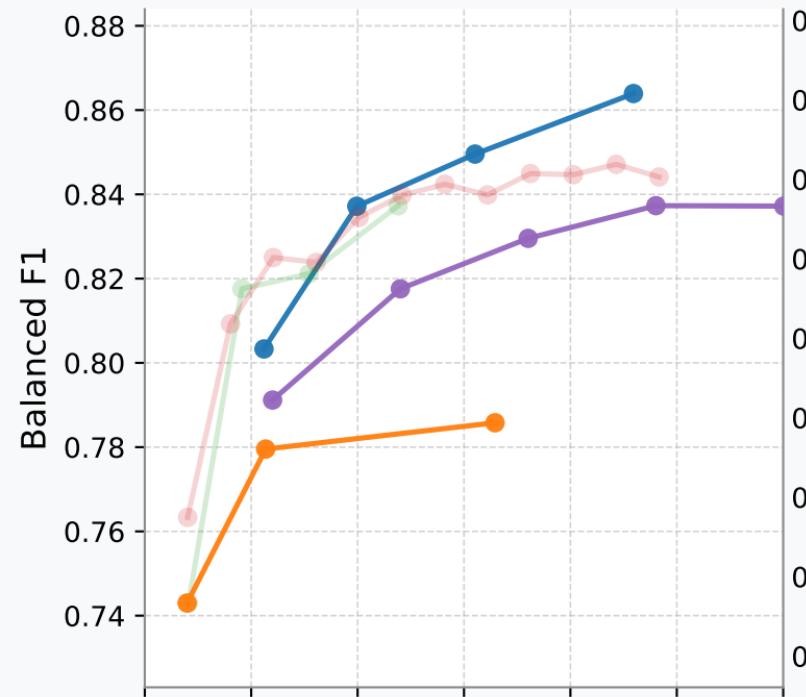
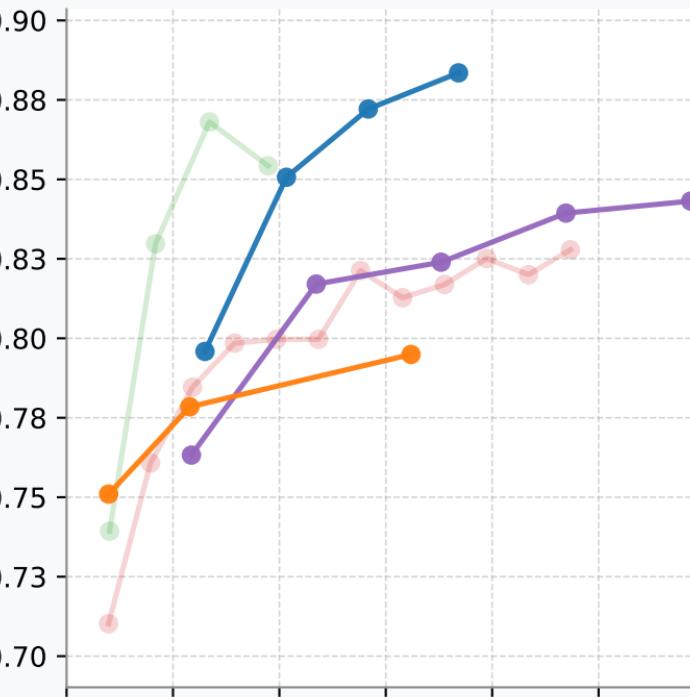


Performance and Efficiency of Pessimistic Verification Methods (GPT-5-mini)

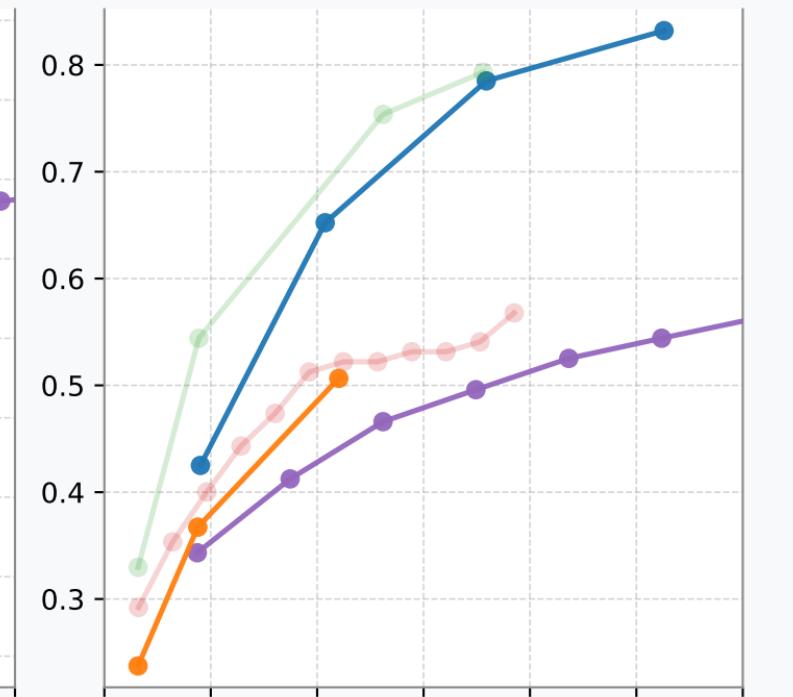
IMO-GradingBench



Hard2Verify



QiuZhen-Bench



Equivalent output tokens / sample

● progressive ● simple pessimistic ● progressive (low reasoning_effort) ● simple pes. (low reasoning_effort) ● standard long CoT