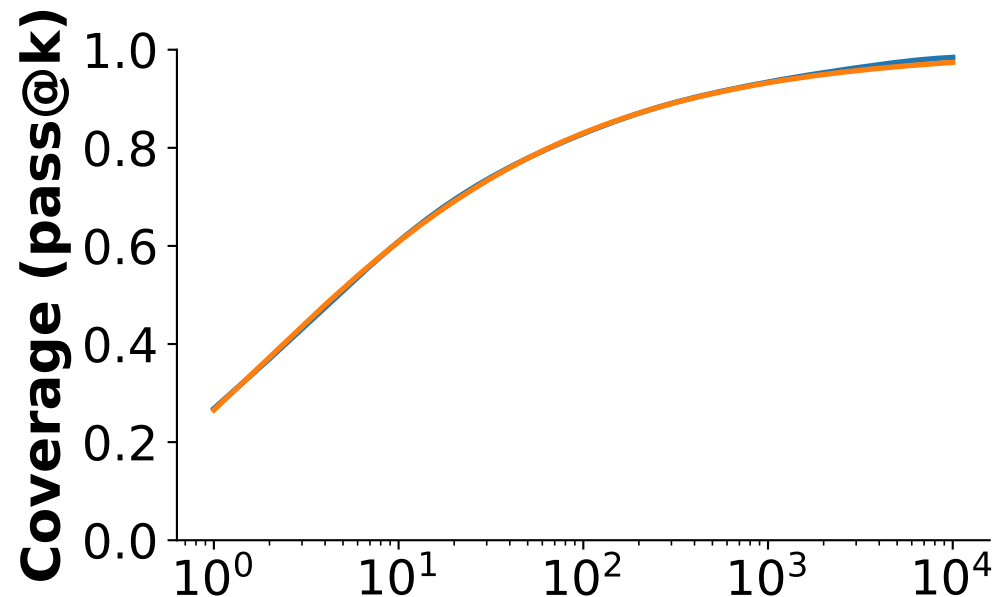
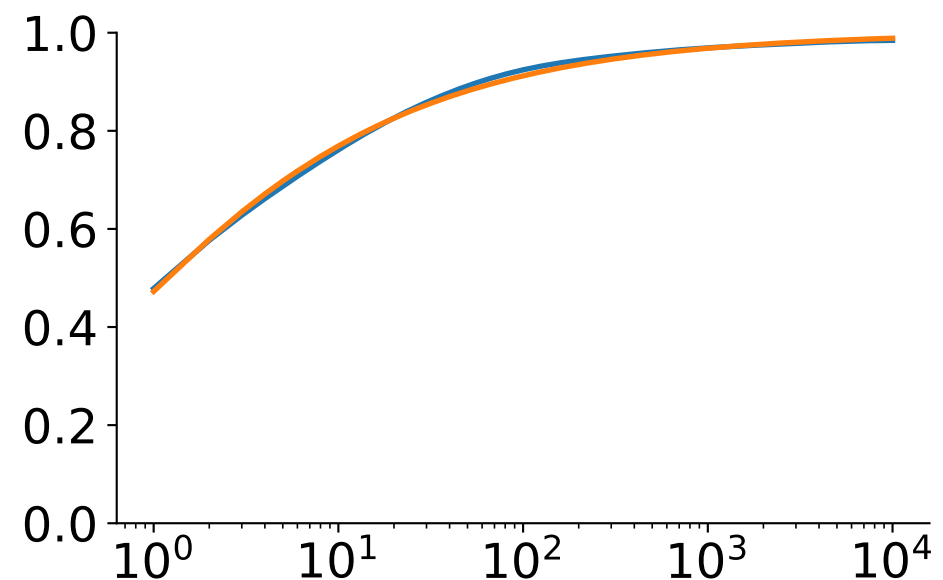


— Coverage — Power Law Fit, $c = \exp(ak^b)$

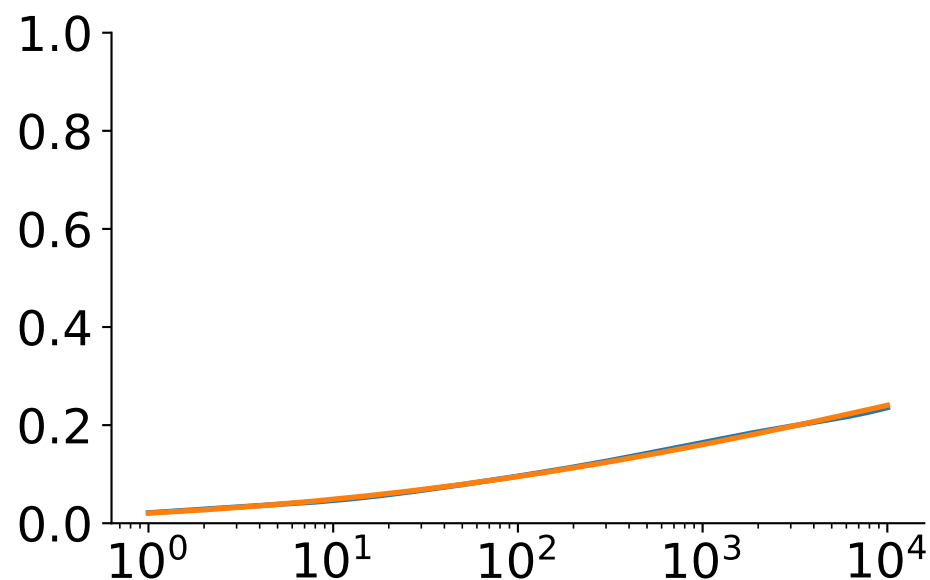
**Llama-3-8B-Instruct
MATH (Oracle Verifier)**
($a=-1.33$, $b=-0.43$)
Error: 0.003 ± 0.0027



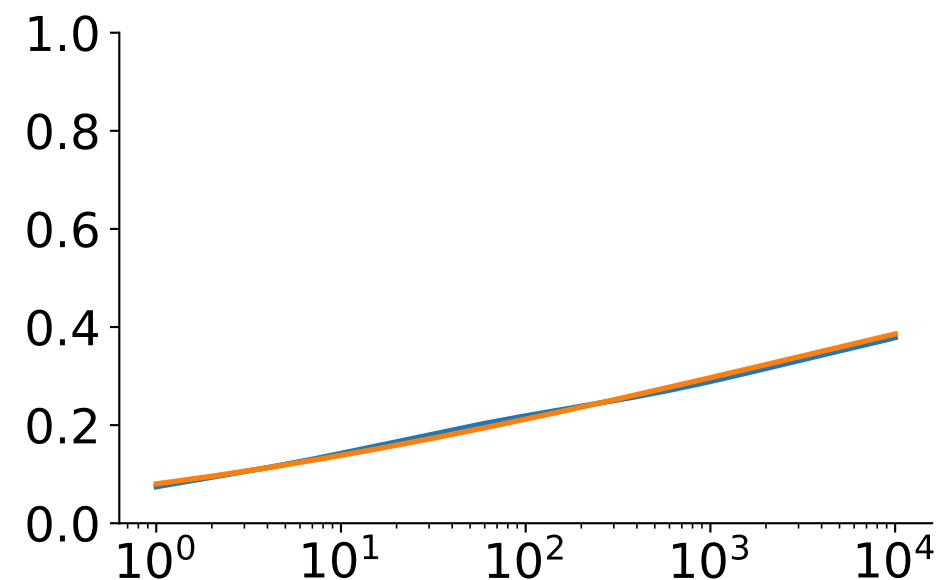
**Llama-3-70B-Instruct
MATH (Oracle Verifier)**
($a=-0.75$, $b=-0.46$)
Error: 0.0056 ± 0.0036



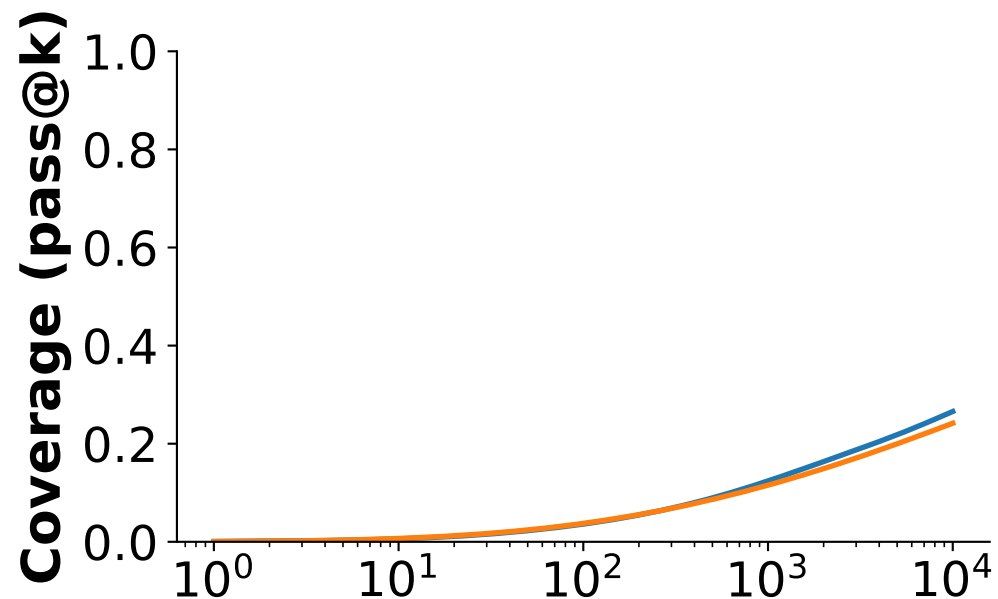
**Llama-3-8B-Instruct
CodeContests**
($a=-3.88$, $b=-0.11$)
Error: 0.002 ± 0.0015



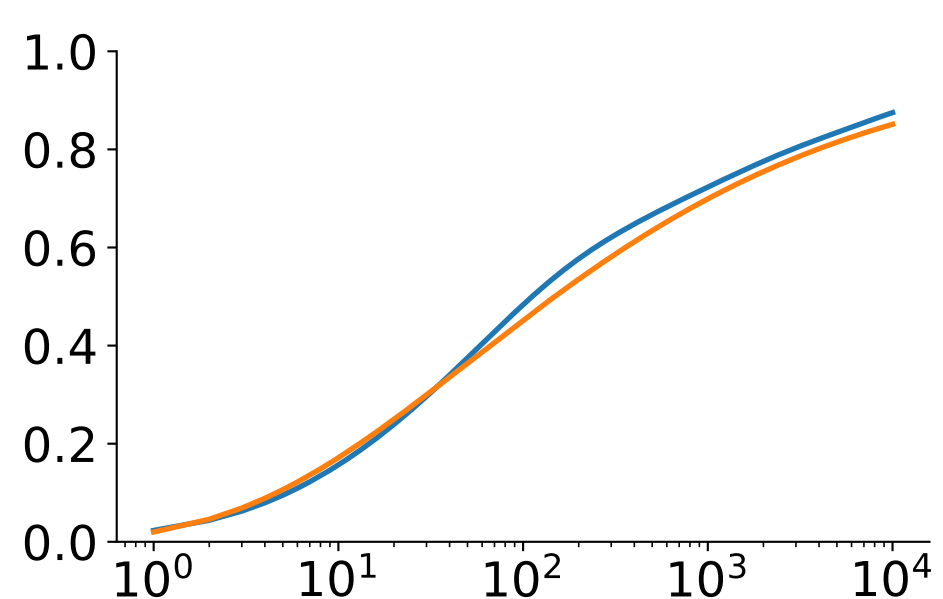
**Llama-3-70B-Instruct
CodeContests**
($a=-2.52$, $b=-0.11$)
Error: 0.0056 ± 0.0027



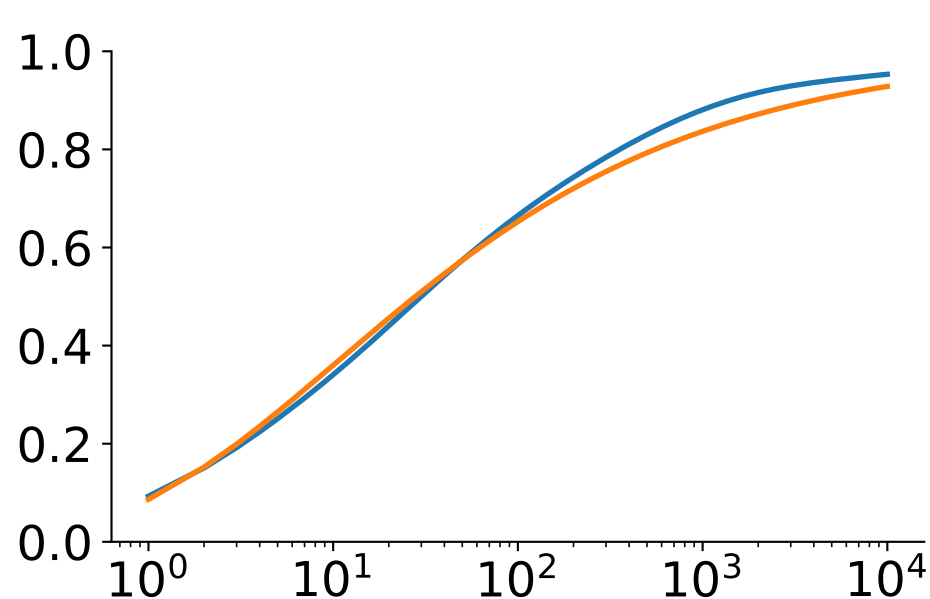
**Pythia-70M
MATH (Oracle Verifier)**
($a=-7.59$, $b=-0.18$)
Error: 0.0052 ± 0.0071



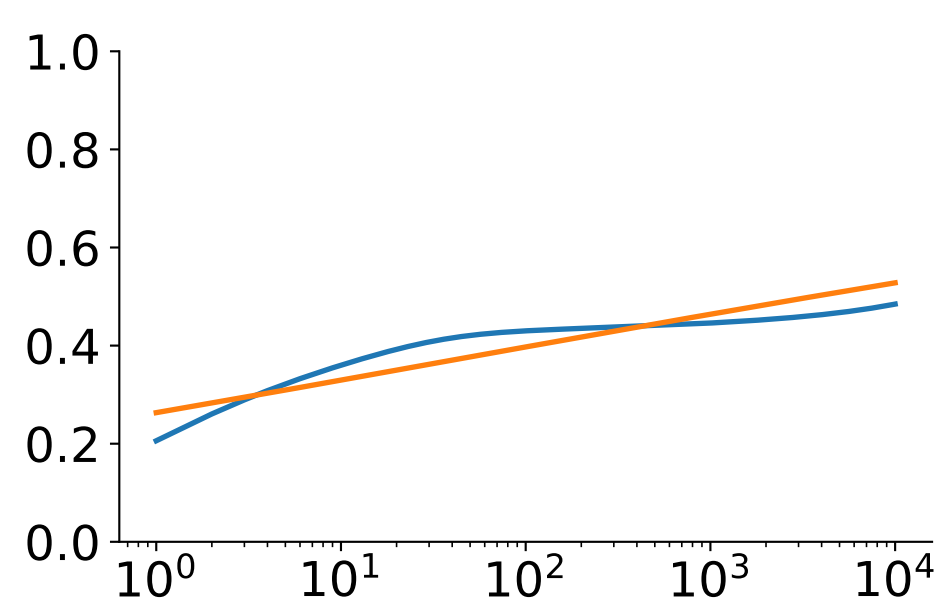
**Pythia-12B
MATH (Oracle Verifier)**
($a=-3.92$, $b=-0.35$)
Error: 0.0189 ± 0.0118



**Gemma-2B
MATH (Oracle Verifier)**
($a=-2.45$, $b=-0.38$)
Error: 0.0218 ± 0.014



**Llama-3-8B-Instruct
MiniF2F-MATH**
($a=-1.33$, $b=-0.08$)
Error: 0.0297 ± 0.0157



Number of Samples (k)

Number of Samples (k)

Number of Samples (k)

Number of Samples (k)