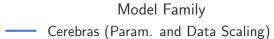
MMLU Philosophy $p_{\theta}^{\mathsf{Choices}}(\mathsf{Correct\ Choice})$ Correlation: spearman Correlation: pearson Correlation: kendall — OLMo 7B Param. (Data Scaling) 1.6 —— Pythia 12B Param. (Data Scaling) 1.4 .ş 1.0 0.60.40.75-0.750.500.750.751.00 1.00 -1.001.00 -1.00Correlation Between FLOPs and Scores (Per Sample) Correlation Between FLOPs and Scores (Per Sample) Correlation Between FLOPs and Scores (Per Sample)



— INCITE 7B Param. (Data Scaling)

LLM360 Amber 7B Tokens (Param Scaling)

— Pythia 300B Tokens (Param. Scaling)