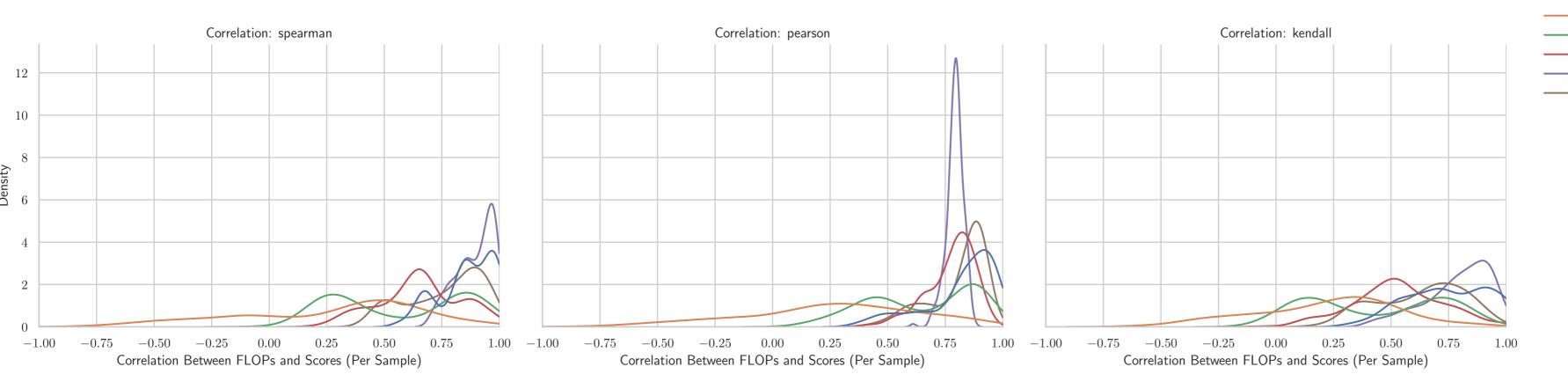
MMLU HS World History  $p_{\theta}^{\mathsf{Vocab}}(\mathsf{Correct\ Choice})$ 





— INCITE 7B Param. (Data Scaling)

— LLM360 Amber 7B Tokens (Param Scaling)

— OLMo 7B Param. (Data Scaling)

— Pythia 12B Param. (Data Scaling)

—— Pythia 300B Tokens (Param. Scaling)