

winogrande:bpb::olmes:full

1.25  
1.20  
1.15  
1.10  
1.05

$10^{21}$

$10^{22}$

$10^{23}$

$10^{24}$

Compute (6 N D FLOPs, log)

olmo2-1b

olmo2-7b

olmo2-13b

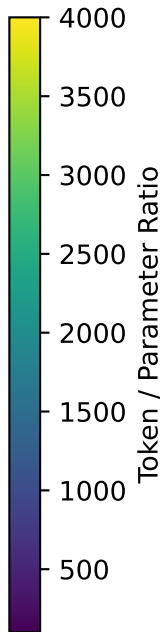
Llama-3-8B

Llama-3.1-8B

Qwen2.5-7B

deepseek-vlm-7b-base

DCLM-Dolma-mix  
DataDecide-DCLM  
DataDecide-Dolma



Token / Parameter Ratio