## Open LLM Leaderboard v1 FLOPs (shared 7.8 intercept)

4.9

4.4

7.3

6.0

6.3

**FLOPs** Size and Tokens PCA + FLOPs

(d=1)

(d=2)(d=3)

PCA + FLOPs PCA + FLOPs PCA + FLOPs

6.4 (d=4)Sloth basic 8.4 (d=1)Sloth basic 5.8 (d=2)Sloth basic 5.3 (d=3)

Sloth basic

(d=4)

(d=3)

Sloth

(d=4)

Sloth (d=1)Sloth (d=2)Sloth

4.2 4.1 Average

5.1

5.6

4.3