

Performance (imagenet-a)

- Linear: $-0.07 + 3.87x$, $R^2 = 0.23$
- Log: $1.24 + 0.39\ln(x)$, $R^2 = 0.24$
- Linear 95% CI
- Log 95% CI

0.8
0.6
0.4
0.2
0.0

0.04 0.06 0.08 0.10 0.12 0.14 0.16 0.18 0.20

Brain Align

Parameters

- 20M
- 100M
- 500M

Architecture

- CNN (n=243)
- Transformer (n=205)
- Hybrid (n=146)

Pearson $r = 0.48$ ($p \leq 8.4e - 36$)

Spearman $\rho = 0.48$ ($p \leq 2.2e - 35$)

Linear: $R^2 = 0.23$, AIC = -1912.8, BIC = -1904.1

Log: $R^2 = 0.24$, AIC = -1918.3, BIC = -1909.5