

G-NDI Overnight Report

Comparative correlations vs. causal ablation ground truth

AGNews — TextCNN

Method	Pearson r	Spearman ρ	Kendall τ
GNDI(b=zero,p=2.0)	1.000	1.000	1.000
WeightMagnitude	-1.000	-1.000	-1.000

CIFAR10 — TinyCNN3

Method	Pearson r	Spearman ρ	Kendall τ
GNDI(b=zero,p=2.0)	1.000	1.000	1.000
SynFlow	0.996	0.500	0.333
WeightMagnitude	-0.386	0.500	0.333

FashionMNIST — TinyCNN

Method	Pearson r	Spearman ρ	Kendall τ
GNDI(b=zero,p=2.0)	0.964	1.000	1.000
SynFlow	0.999	1.000	1.000
WeightMagnitude	-0.285	-0.500	-0.333

MNIST — MLP

Method	Pearson r	Spearman ρ	Kendall τ
GNDI(b=zero,p=2.0)	1.000	1.000	1.000
SynFlow	1.000	1.000	1.000
WeightMagnitude	-1.000	-1.000	-1.000

YelpPolarity — GRUClass

Method	Pearson r	Spearman ρ	Kendall τ
GNDI(b=zero,p=2.0)	—	—	—
WeightMagnitude	—	—	—