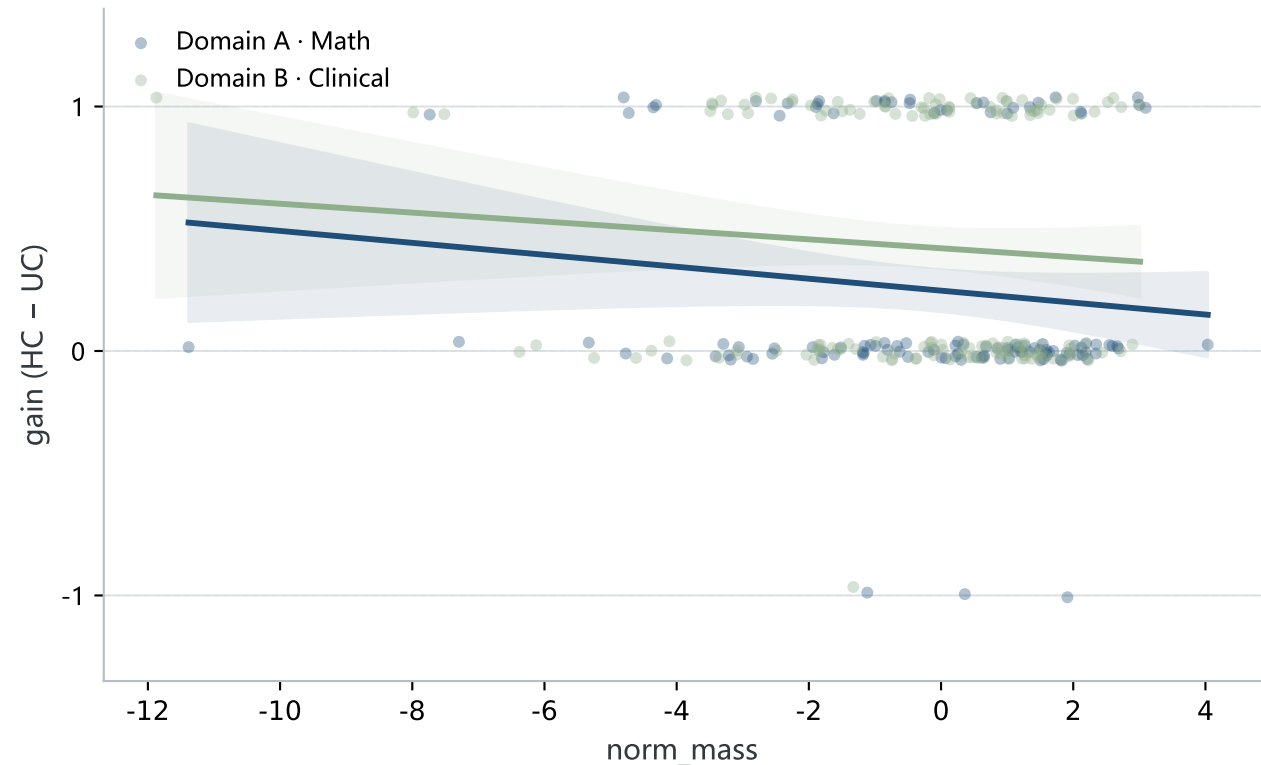
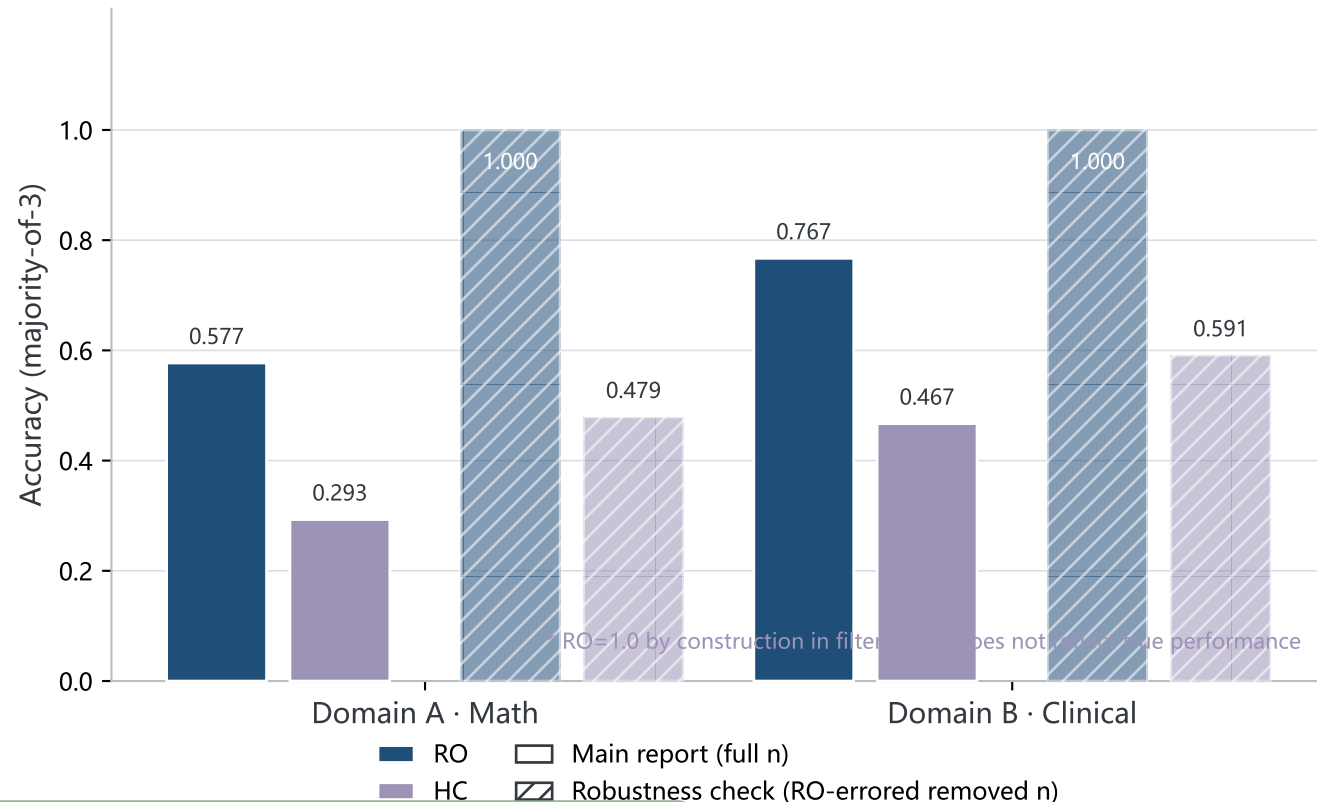


Honest boundaries & robustness: norm_mass does not linearly predict gain, RO edge is not a conditioning artifact

(a) norm_mass vs gain (H3: null)



(b) RO Magnet robustness check



H3 Pearson: A $r=-0.122$ $p=0.179$ B $r=-0.082$ $p=0.318$ | H3 Spearman: A $\rho=-0.137$ $p=0.131$ B $\rho=-0.070$ $p=0.392$
H4 mass $\times$ domain: $\beta=0.0062$ $p=0.8088$ → 两域均无线性效应, 交互项不显著
A 域: RO=0.577 HC=0.293 | 剔除RO错 (n=71) HC=0.479 || B 域: RO=0.767 HC=0.467 | 剔除RO错 (n=115) HC=0.591 [RO剔除后=1.0系构造]

norm_mass does not linearly predict gain: $r\sim-.10$, $p>.17$; interaction $p=.809$. RO-filtered bars are a robustness check only — conditioning inflates estimates.