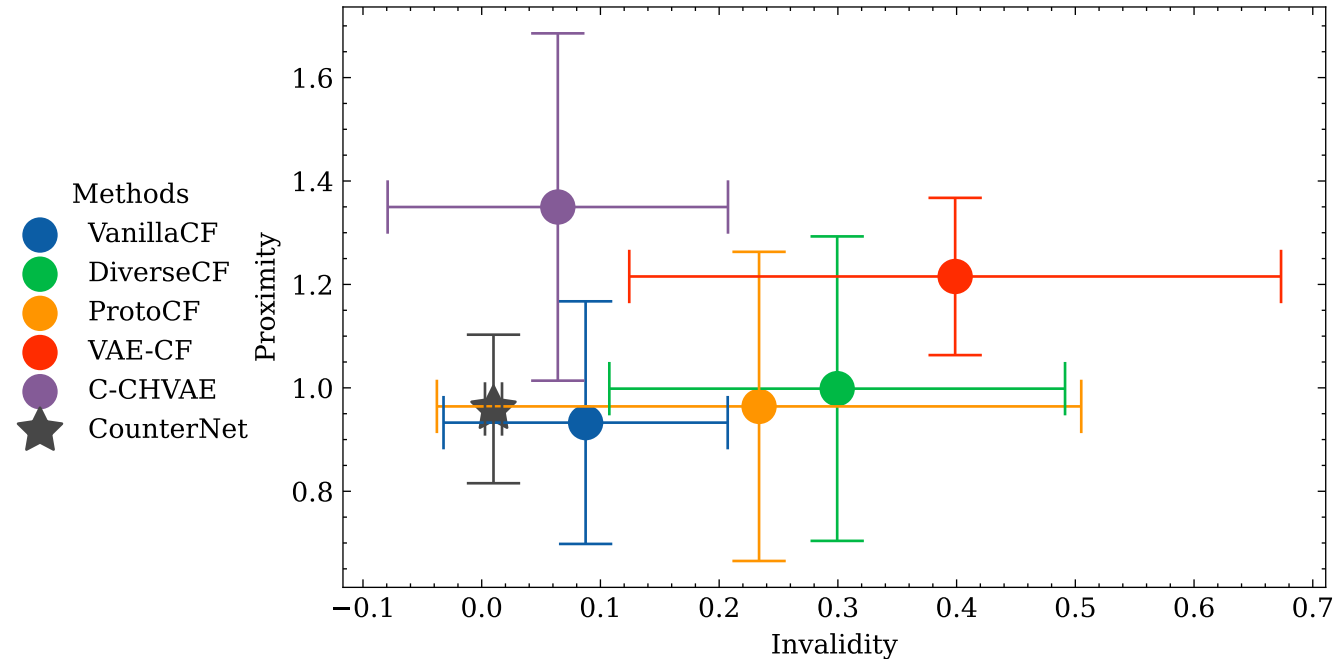(a) Tradeoff between Invalidity and Proximity   (b) Tradeoff between Second-Order Invalidity and Sparsity