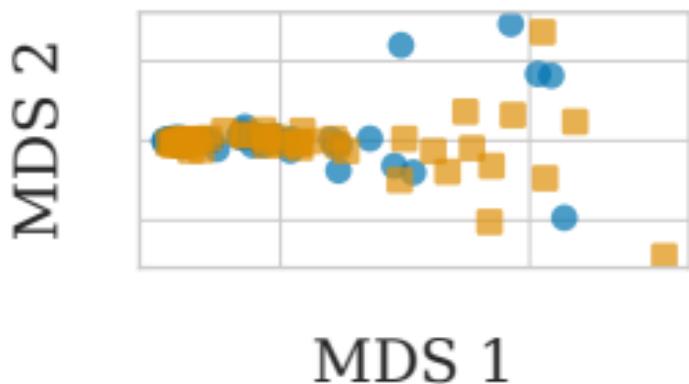


(a) Signal queries,  $m = 5$



"Orthogonal" queries,  $m = 5$



(b) Singular values of  $D$

