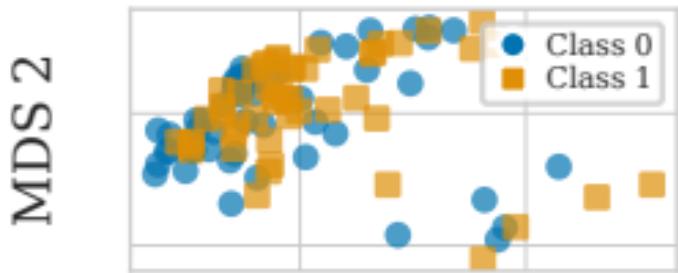
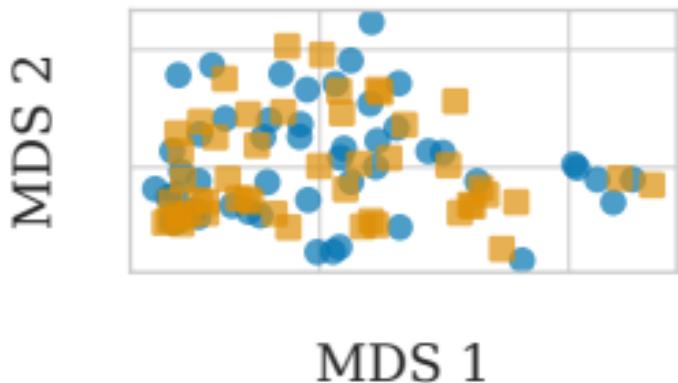


(a) Signal queries, $m = 5$



"Orthogonal" queries, $m = 5$



(b) Singular values of D

