Performance measures for the biggest cindex given dataset and approach **BRCA** HNSC LUAD LGG LUSC Cindex UCEC 1.00 BLCA STAD 0.75 SKCM **KIRC** 0.50  $\mathsf{OV}$ COAD 0.25 KIRP LIHC 0.00 SARC PAAD **ESCA** LAML **BRCA HNSC** LUAD LGG LUSC Ibrier UCEC 1.00 BLCA Dataset STAD 0.75 SKCM KIRC 0.50 OV COAD 0.25 **KIRP** LIHC 0.00 SARC PAAD **ESCA** LAML BRCA HNSC LUAD LGG LUSC UCEC BLCA STAD SKCM KIRC OV No. of features 50 40 30 COAD KIRP LIHC SARC PAAD ESCA LAML 20 10 0 Reference Random forest Penalized regression Boosting Dataset