Out-of-domain Out-of-domain accuracy accuracy 0.780 0.780 0.810 0.840 0.850 -0.035 -0.030 -0.025 0.800 0.820 0.830 -0.040 -0.020 -0.015 In-domain accuracy Shift gap Income 0.800 0.800 Out-of-domain Out-of-domain accuracy accuracy 0.700 0.700 0.600 0.600 0.750 0.675 0.700 0.725 0.775 0.800 0.825 -0.080 -0.060 -0.040 -0.020 0.000 0.020 In-domain accuracy Shift gap PublicCoverage Out-of-domain Out-of-domain 0.600 0.600 accuracy accuracy 0.500 0.500 0.400 0.400 0.810 0.780 0.790 0.800 -0.400 -0.350 -0.300 -0.250 -0.200 -0.150 In-domain accuracy Shift gap Unemployment **Out-of-domain** Out-of-domain 0.960 0.960 accuracy accuracy 0.955 0.955 0.950 0.950 0.964 0.968 0.970 0.972 0.974 -0.020 -0.018 -0.016 -0.014 -0.012 -0.010 0.966 In-domain accuracy Shift gap Adv. DRO DeepCORAL IB-IRM MLP SAINT AND Mask DRO **IRM** MMD TabTransformer CausIRL Coral FT-Transformer Label Group DRO ReX NODE XGB CausIRL MMD Group DRO LightGBM ResNet

MixUp

Food Stamps

0.820

0.800

0.820

0.800

DANN

HistGBM