random_state=2001 Loss Loss w* 1111.1372 1122.4263 w_{Std}^* w_{LR}^* random_state=1001 Loss Loss w* w* 1112.552 1111.1556 w_{Std}^* w_{LR}^* random_state=3001 Test loss Train loss Loss Loss

w*

1173.9144

 W_{LR}^*

w*

1273.3645

 w_{Std}^*