$random_state=2001$ Loss Loss Gap Gap w_{LR}* w_{LR}^* w_{Std}^* w_{Std}^* random_state=1001 Loss Loss Gap*_R w_{LR}^* Gap w_{Std}^* w_{Std}^* random_state=3001 Test loss Train loss Loss Loss

Gap

 W_{Std}^*

 w_{LR}^*

Gap,

 w_{Std}^*