

$\hat{M}XX - d=1, s \approx 0.986061, \lambda \approx 1.25e+03, m \approx 0.0001, J_{\text{val}} \approx 1.251e-02$

$\text{RMSE}_{\text{train}} \approx 0.1392, \text{RMSE}_{\text{val}} \approx 0.1118, \text{RMSE}_{\text{train} + \text{val}} \approx 0.1329, \text{RMSE}_{\text{test}} \approx 0.1473, \text{RMSE}_{w, \text{train}} \approx 0.1056, \text{RMSE}_{w, \text{train} + \text{val}} \approx 0.1326, \text{RMSE}_{w, \text{test}} \approx 0.1473$

