Heatmap of MSE with crossvalidation resampling and lasso regression 0 + 2 -- 0.20 4 -- 0.15 Polynomial degree - 0.10 8 -10 -- 0.05 12 -

 $0.001\ 0.002150.00464\ 0.01\ 0.021540.04642\ 0.1\ 0.215440.46416\ 1.0\ 2.154434.64159\ 10.0$