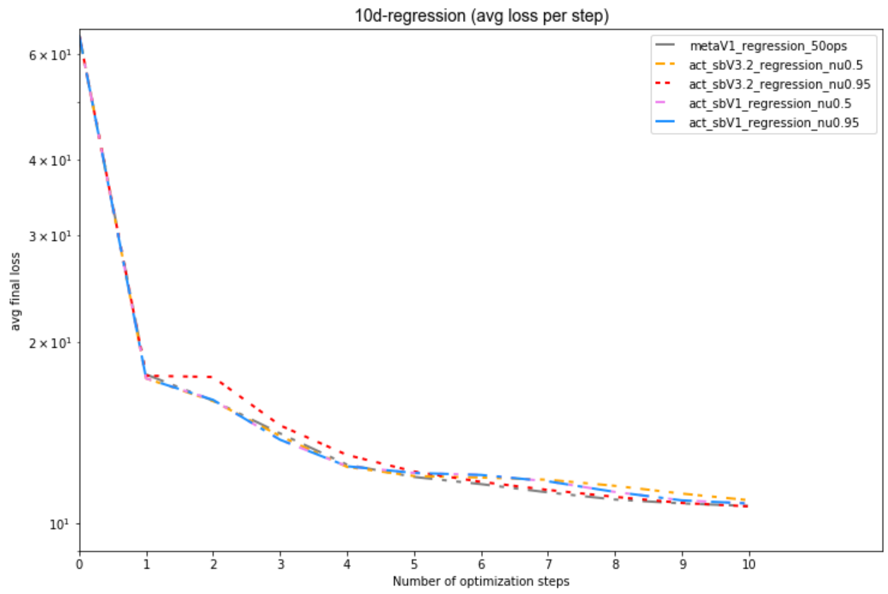
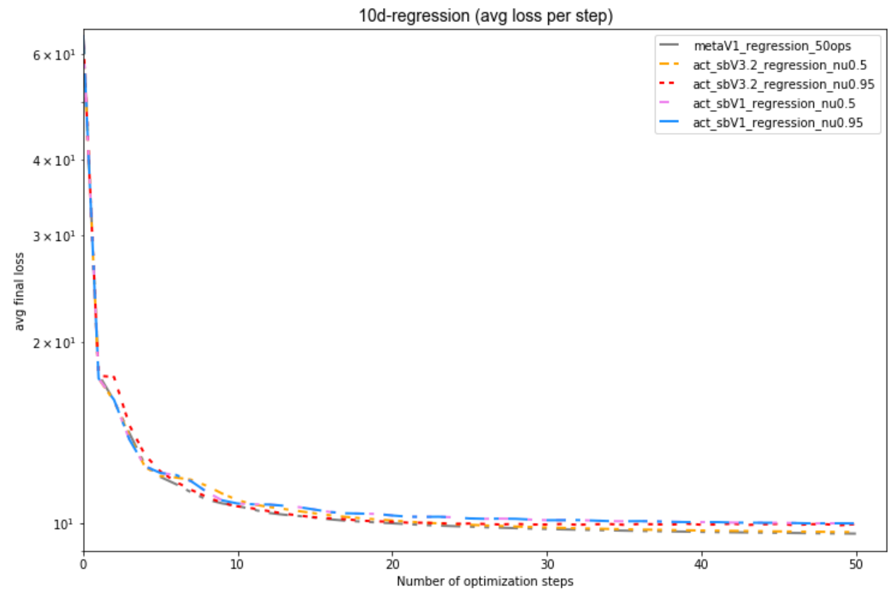
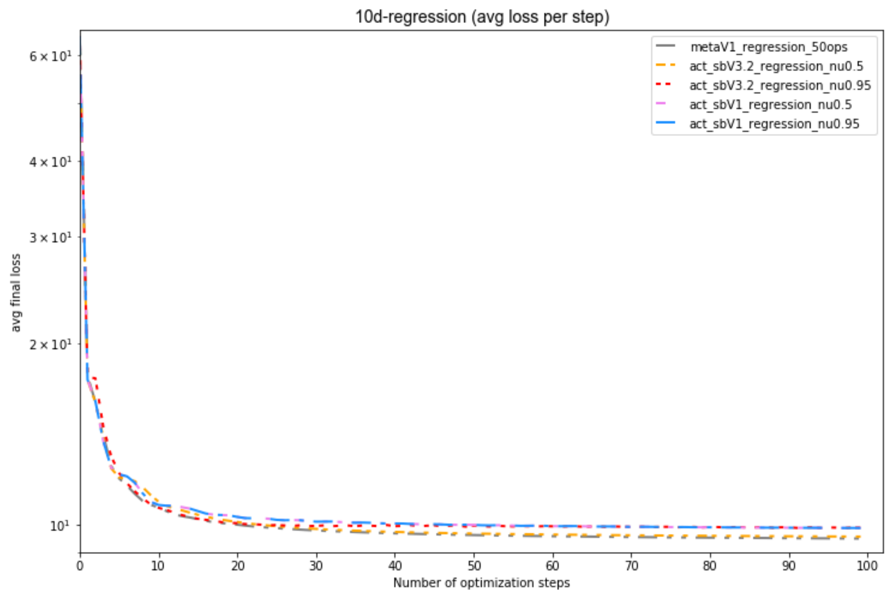
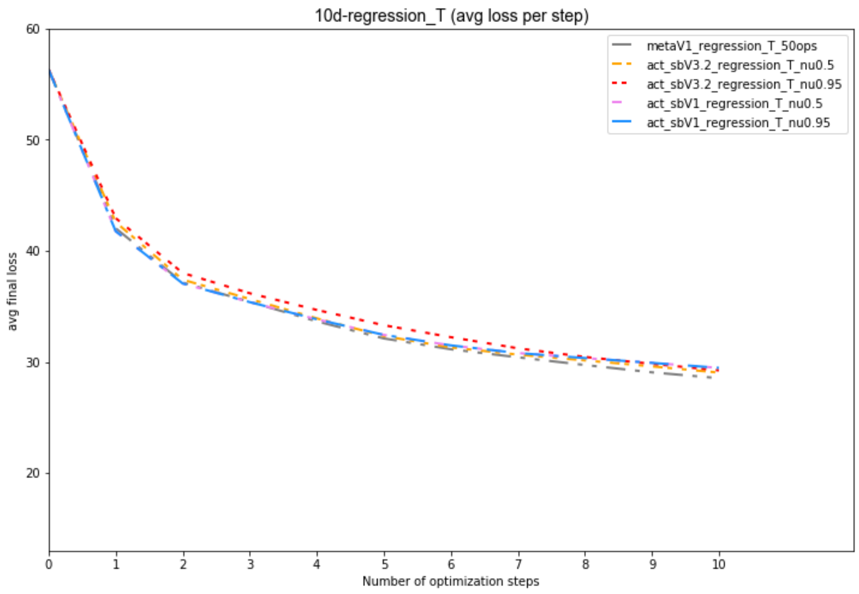
Regression - Compare test performance between: metaV1, ACT_SBV1 and ACT_SBV3.2 model

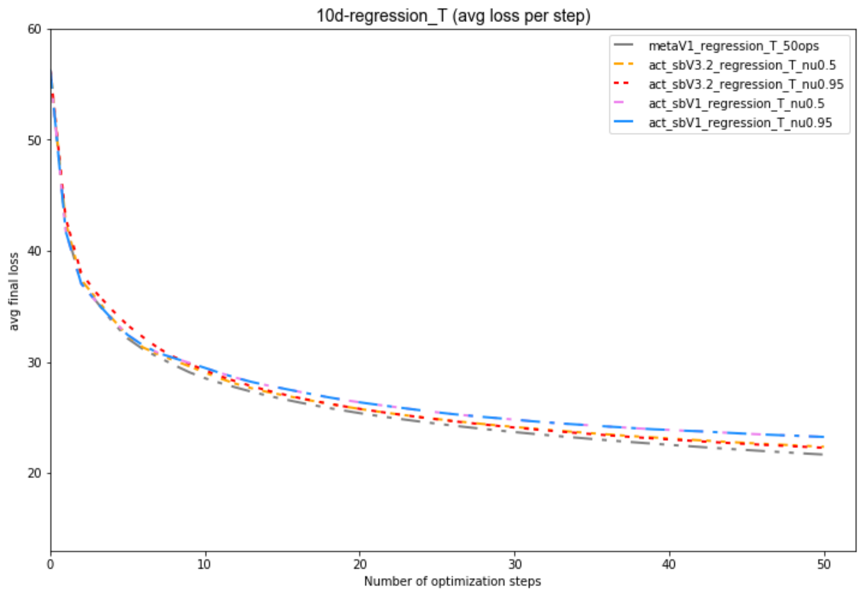


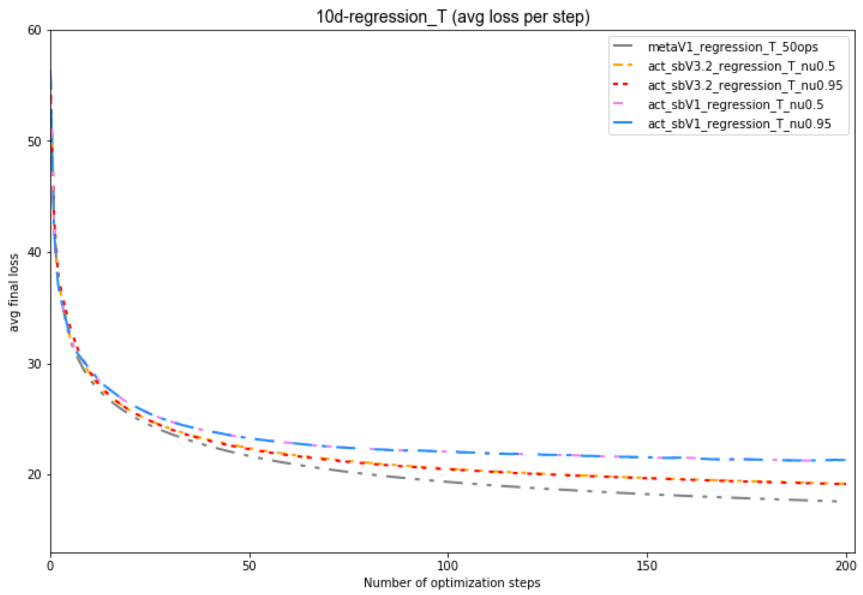




Regression **(student-t)** - Compare test performance between: metaV1, ACT_SBV1 and ACT_SBV3.2 model



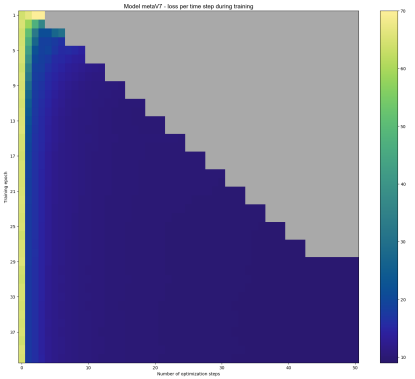




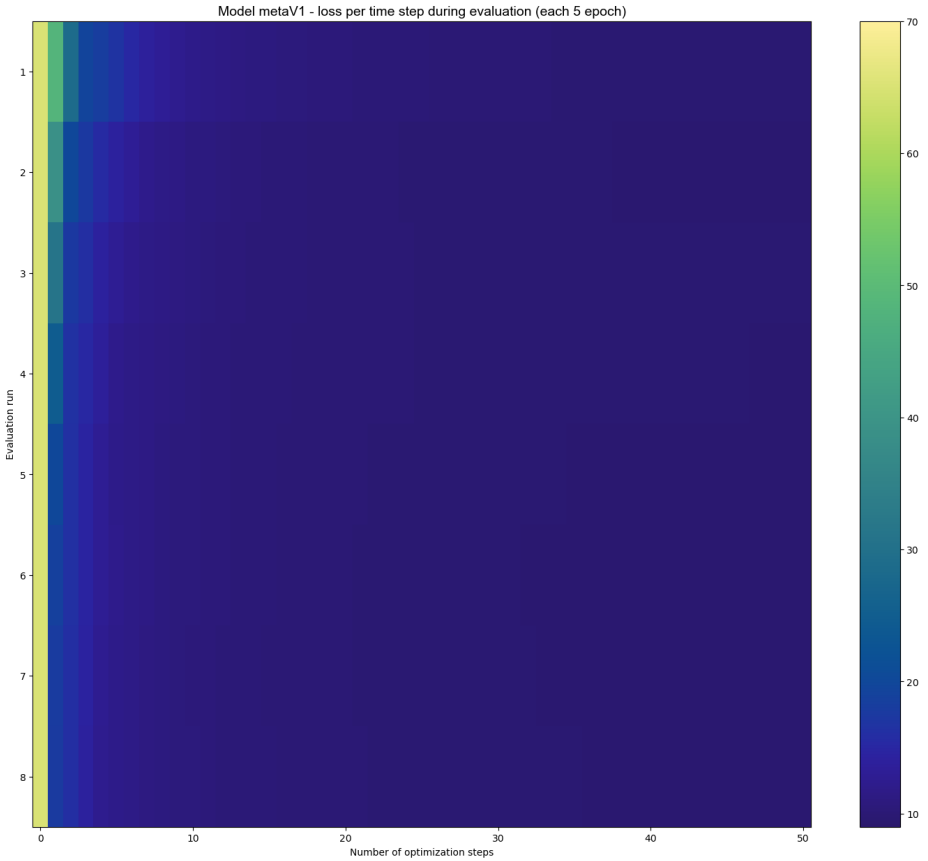
Regression - Incremental learning - Compare test performance between: metaV1, metaV7 model

Take away: incremental learning helps to learn faster, see first few steps during evaluation run 1 to 4.

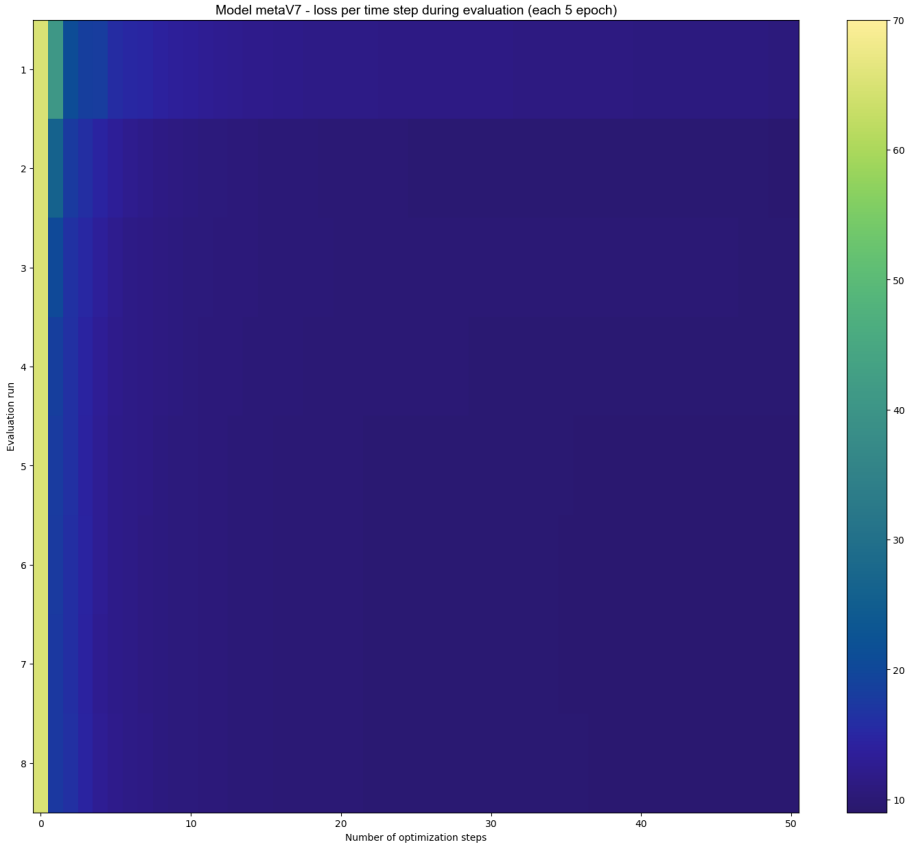
Illustrate training schedule



Test evaluation - metaV1 - baseline model (L2L)

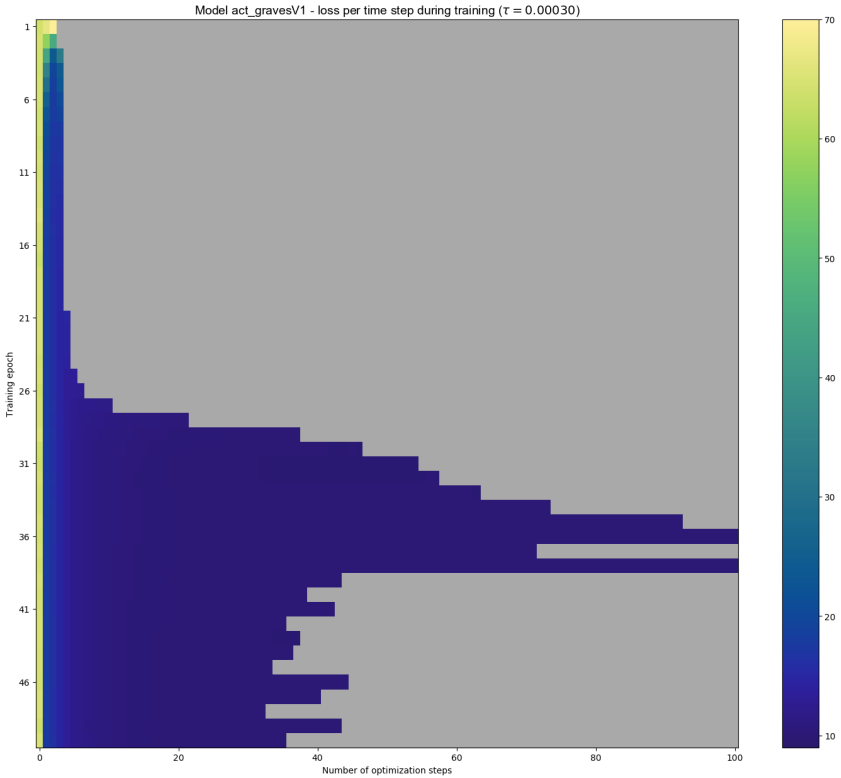


Test evaluation - metaV7 - baseline model (L2L) incrementally trained

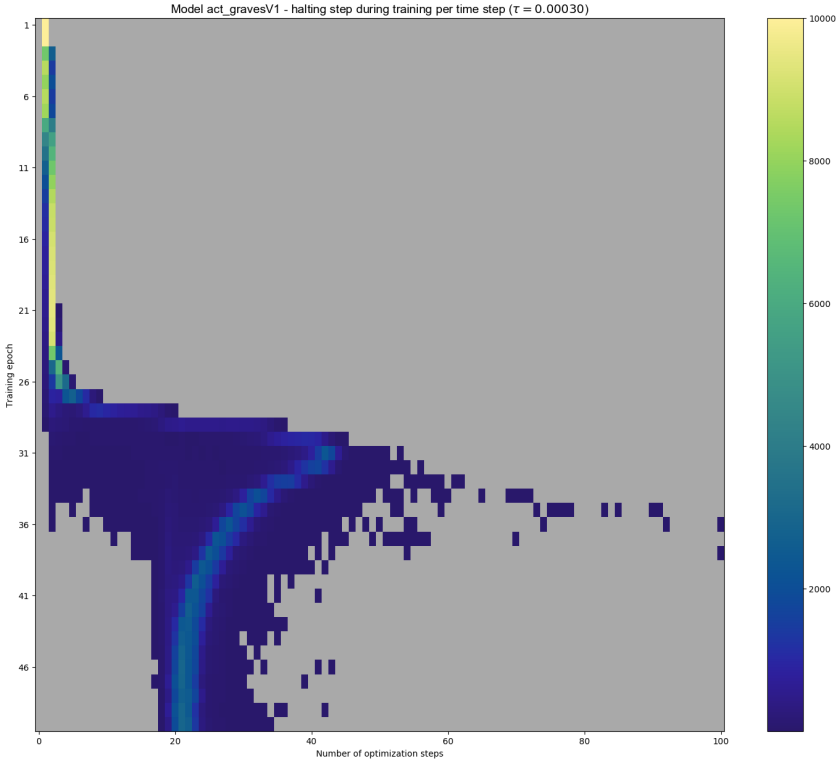


Regression - behavior of Graves' ACT model

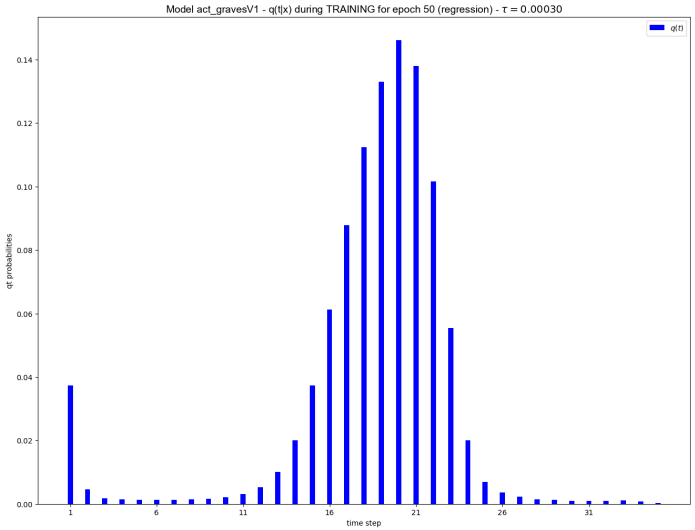
losses during training epochs per time step



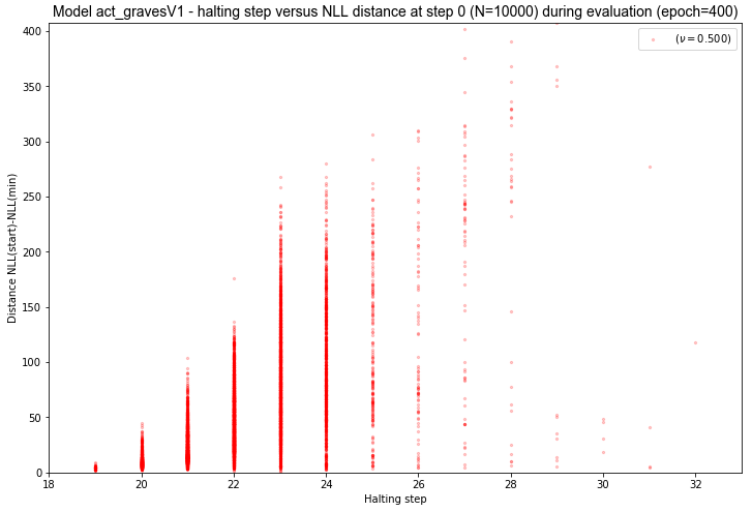
distribution of halting steps during during training



q(t|x) at the end of training

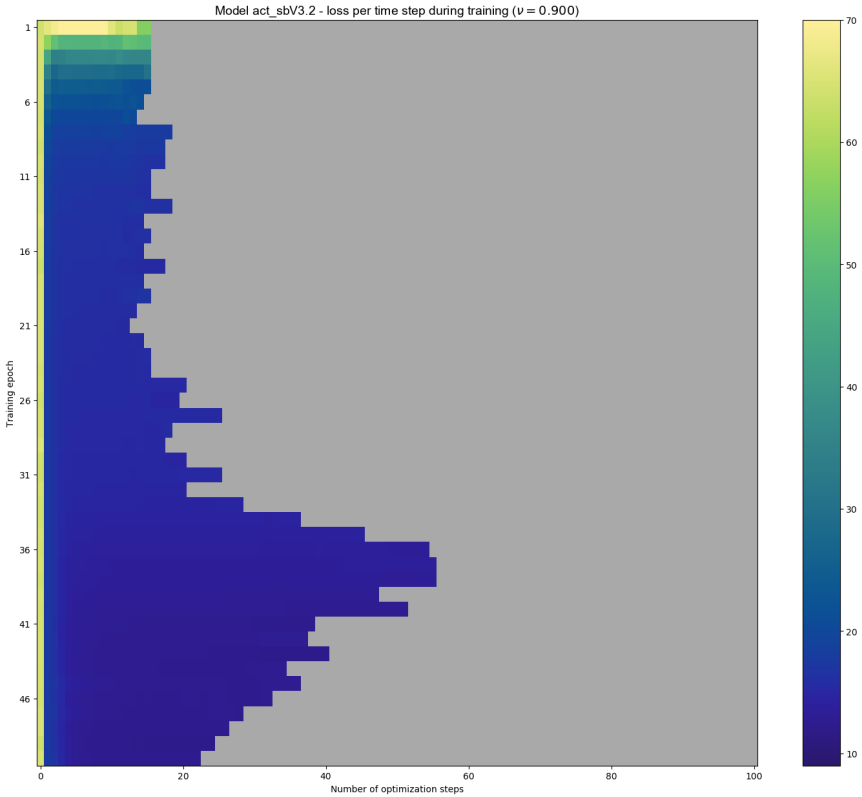


Input dependent halting step

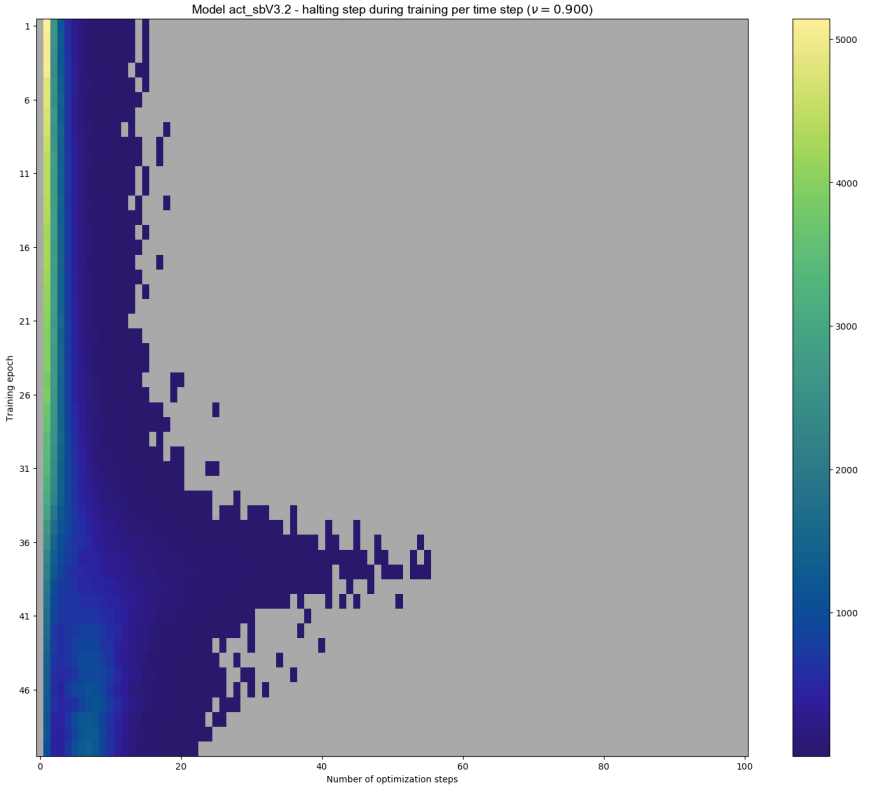


Regression - behavior of act_sbV3.2 model (nu=0.9)

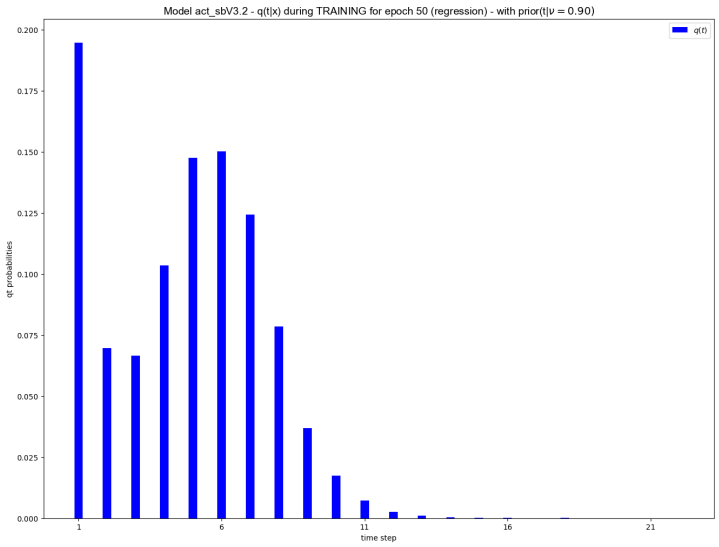
losses during training epochs per time step



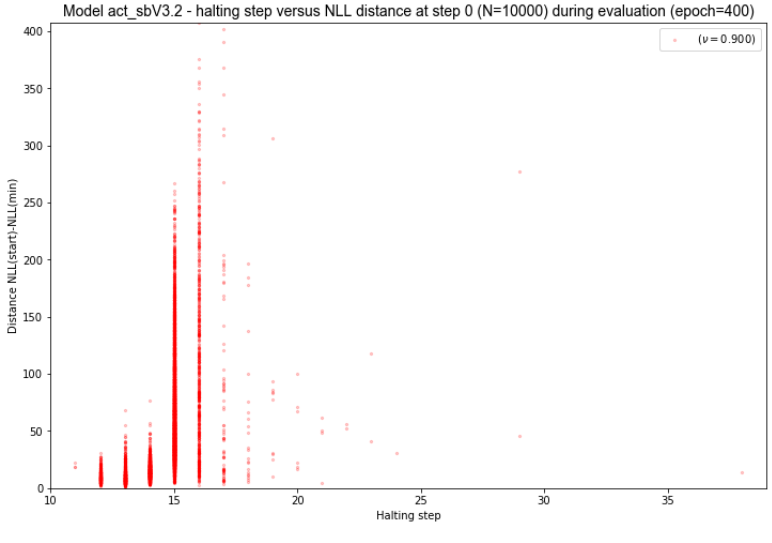
distribution of halting steps during during training



q(t|x) at the end of training

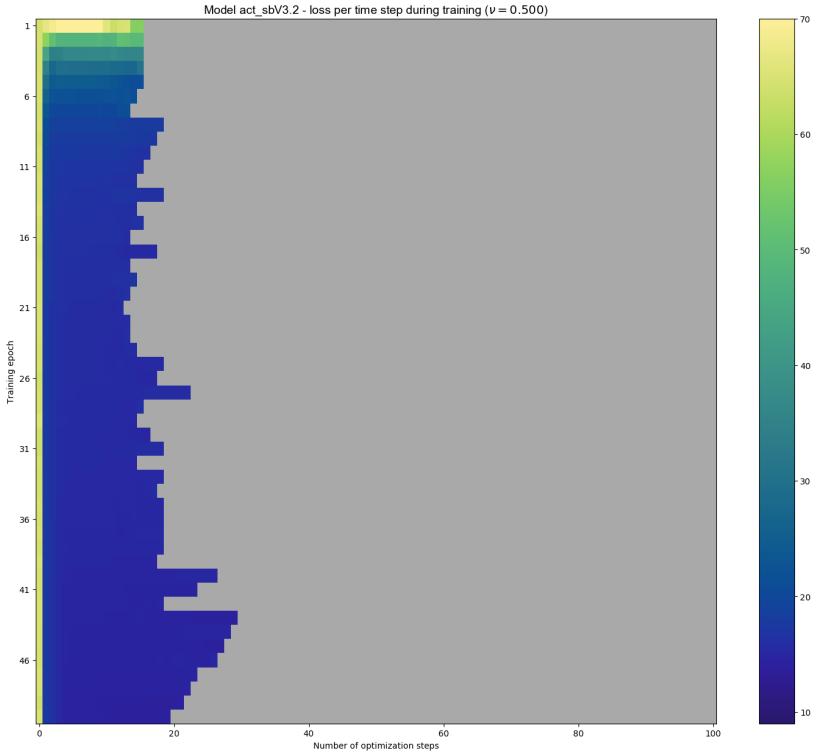


Input dependent halting step

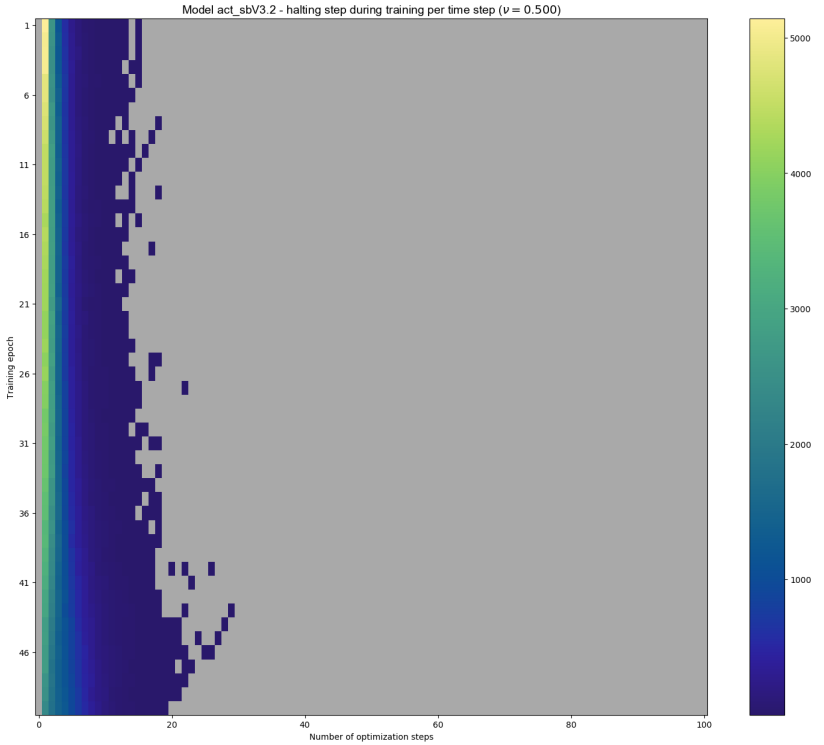


Regression - behavior of act_sbV3.2 model (nu=0.5)

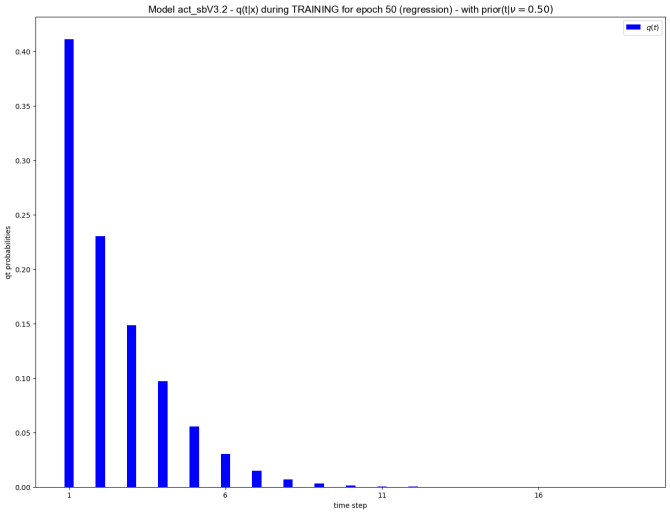
losses during training epochs per time step



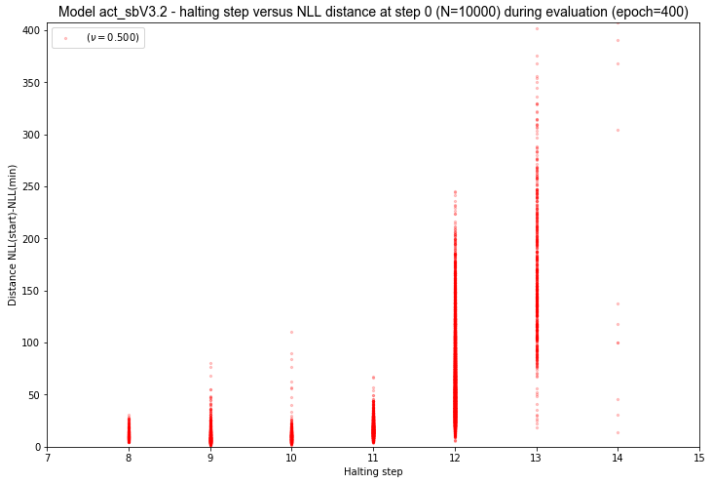
distribution of halting steps during during training



q(t|x) at the end of training

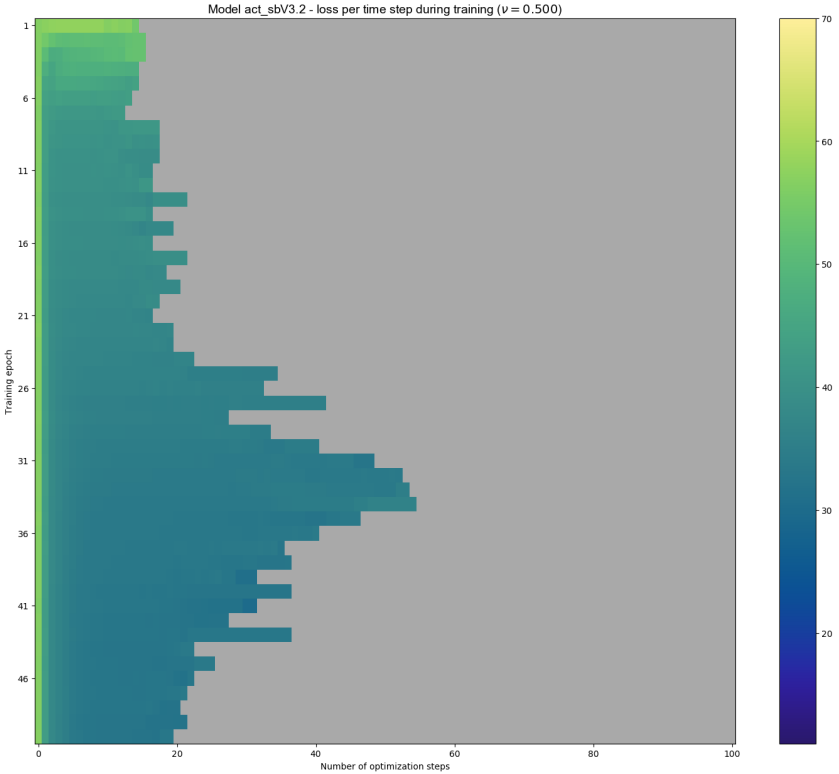


Input dependent halting step

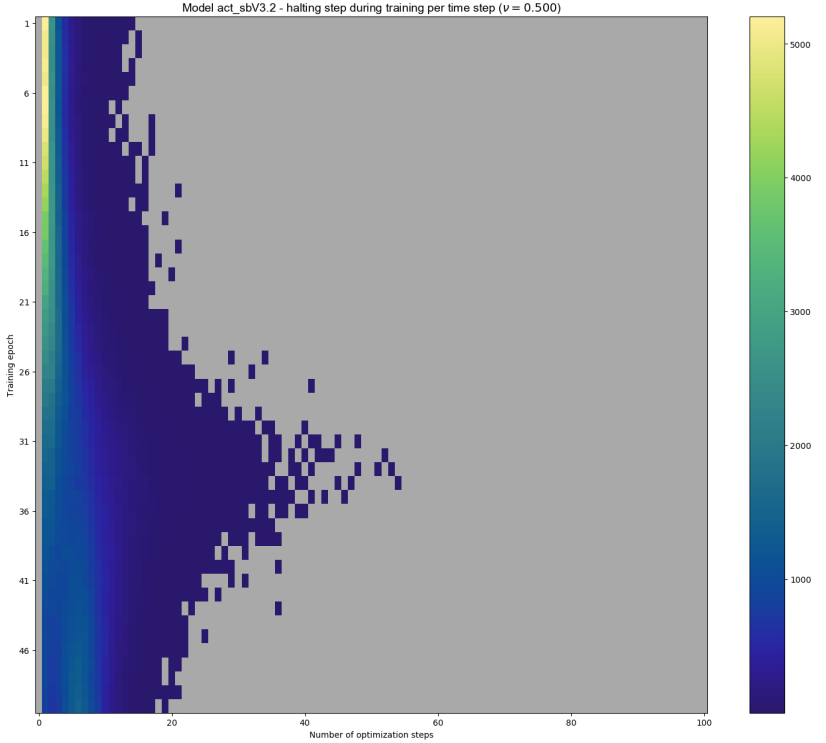


Regression (**student-t)** - behavior of act_sbV3.2 model (nu=0.5)

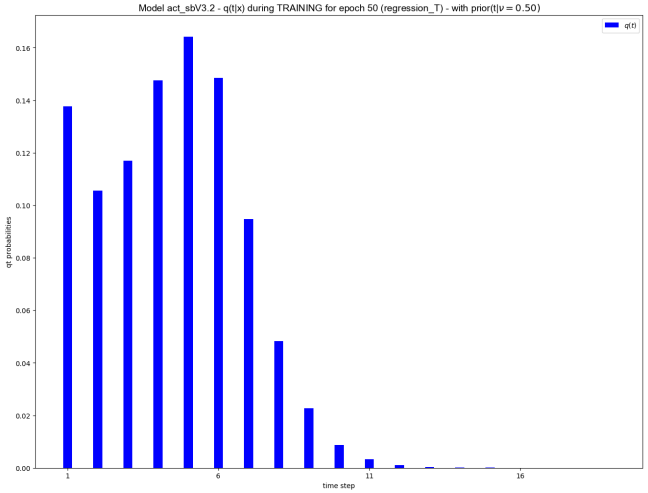
losses during training epochs per time step



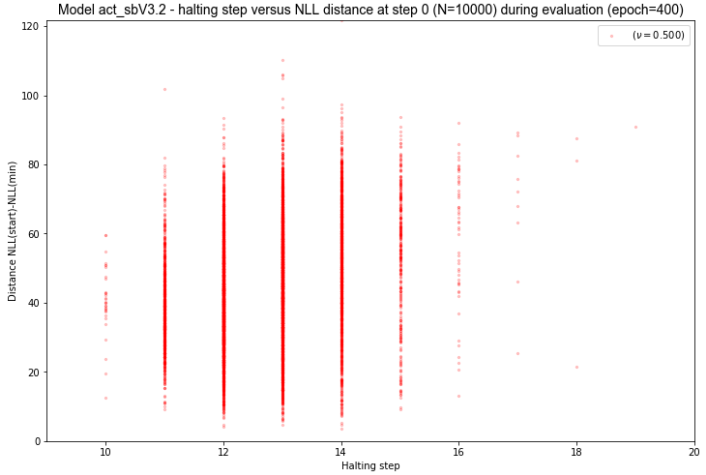
distribution of halting steps during during training



q(t|x) at the end of training

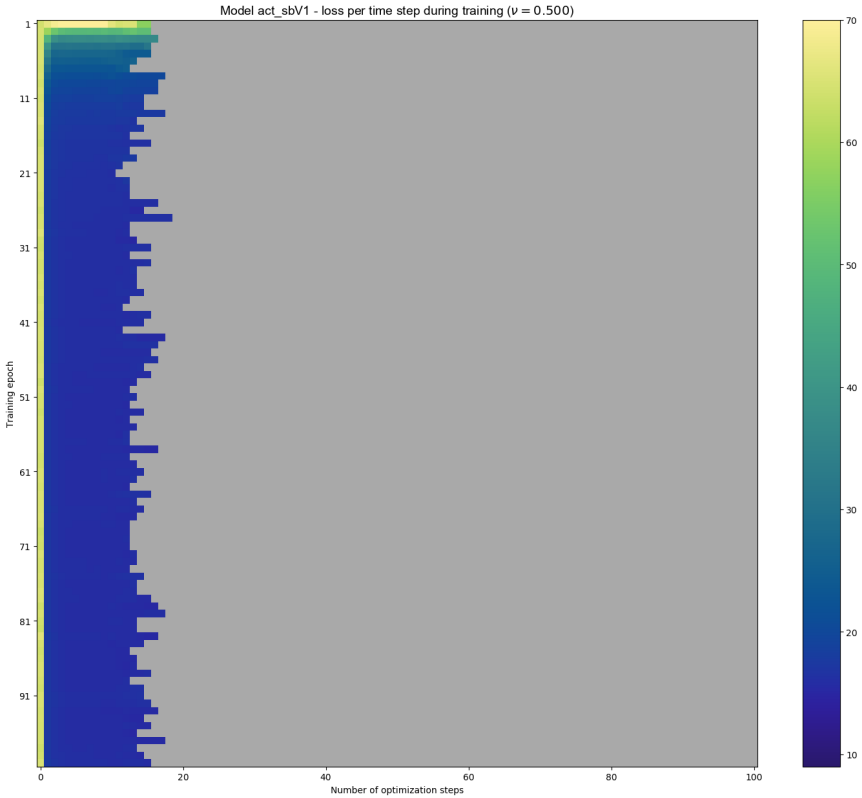


Input dependent halting step

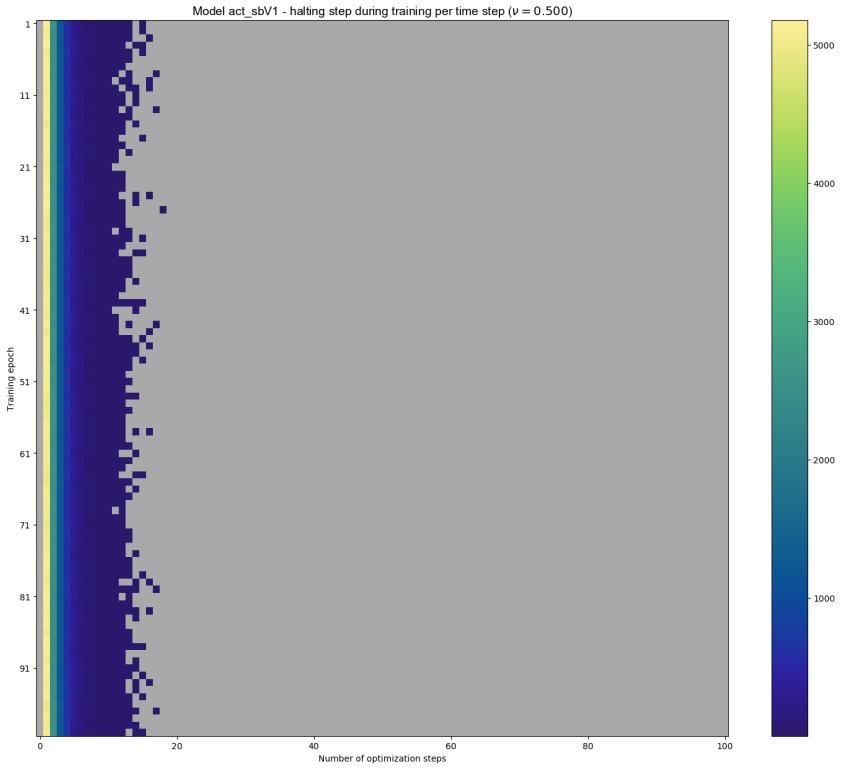


Regression - behavior of **act_sbV1** model (same behavior for different shape parameters)

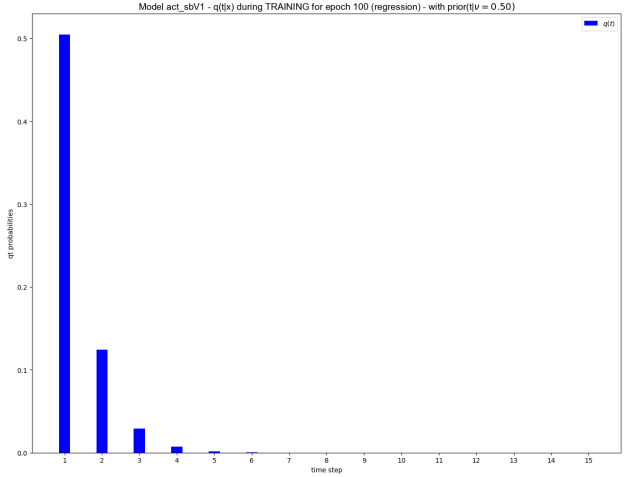
losses during training epochs per time step



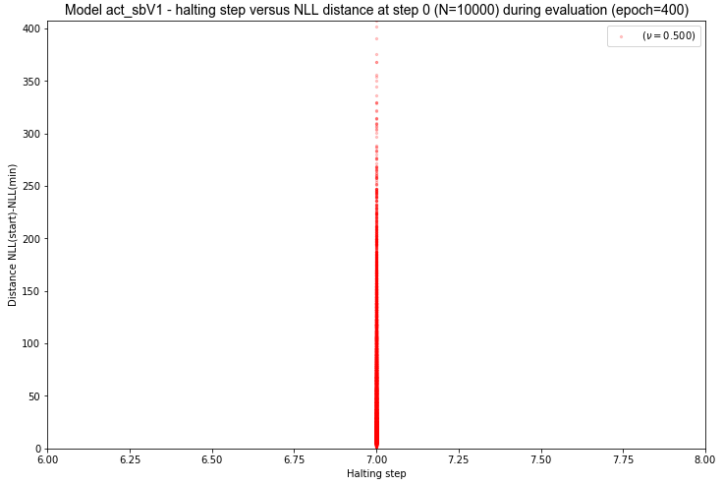
distribution of halting steps during during training



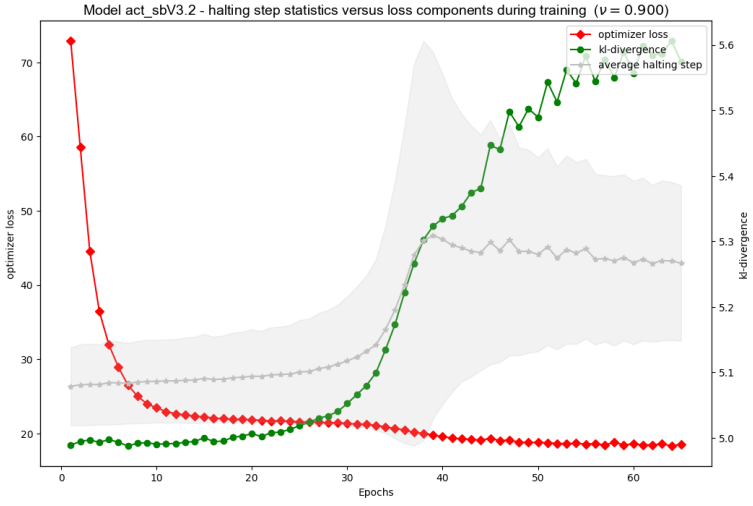
q(t|x) at the end of training



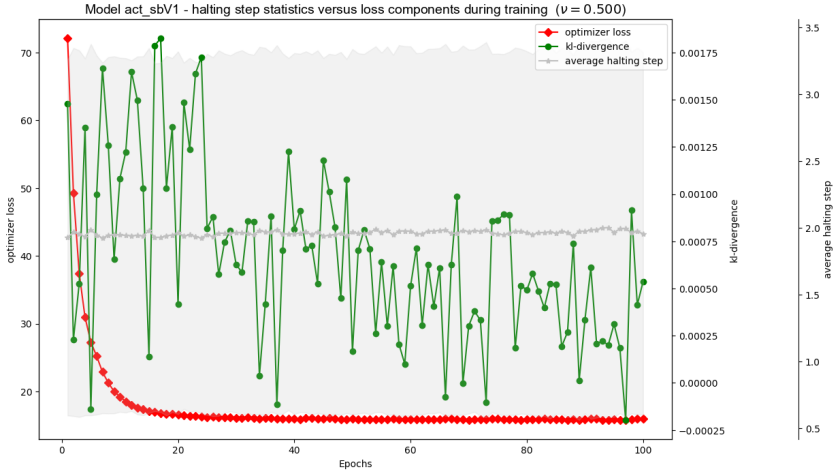
Input dependent halting step



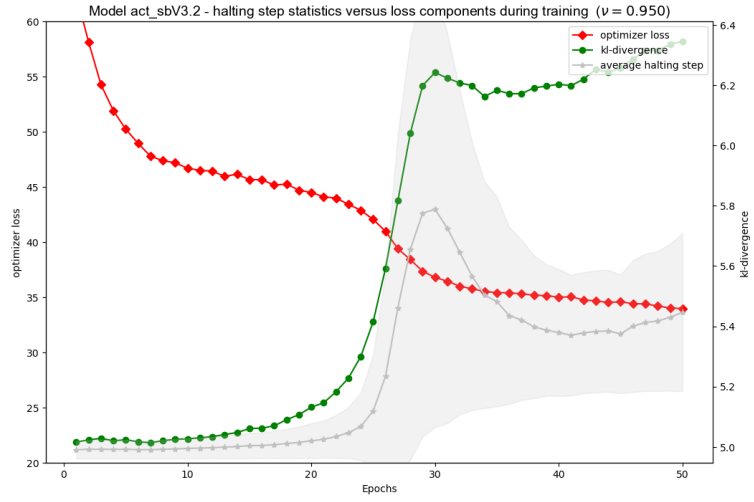
Regression - learning curves



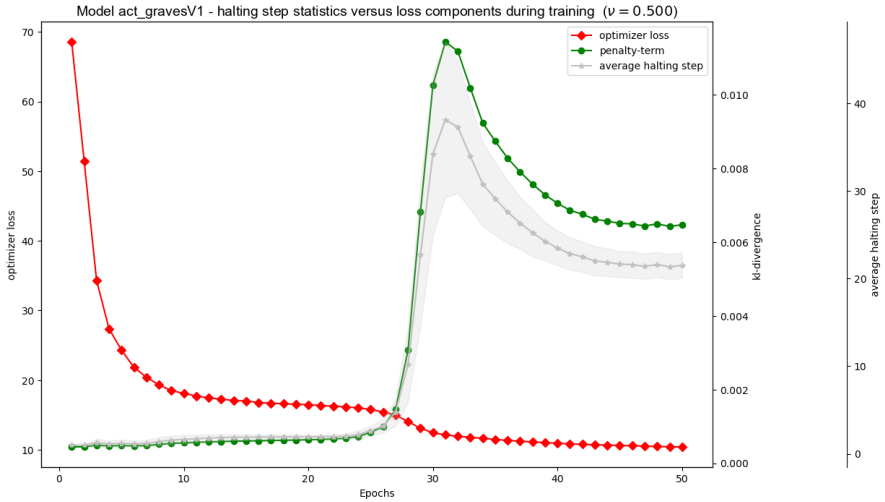
Halting step statistics final epoch: Range(1, 21) / mean=6.1 / stddev=2.6 / median=6.0



Halting step statistics final epoch: Range(1, 15) / mean=2.0 / stddev=1.4 / median=1.0

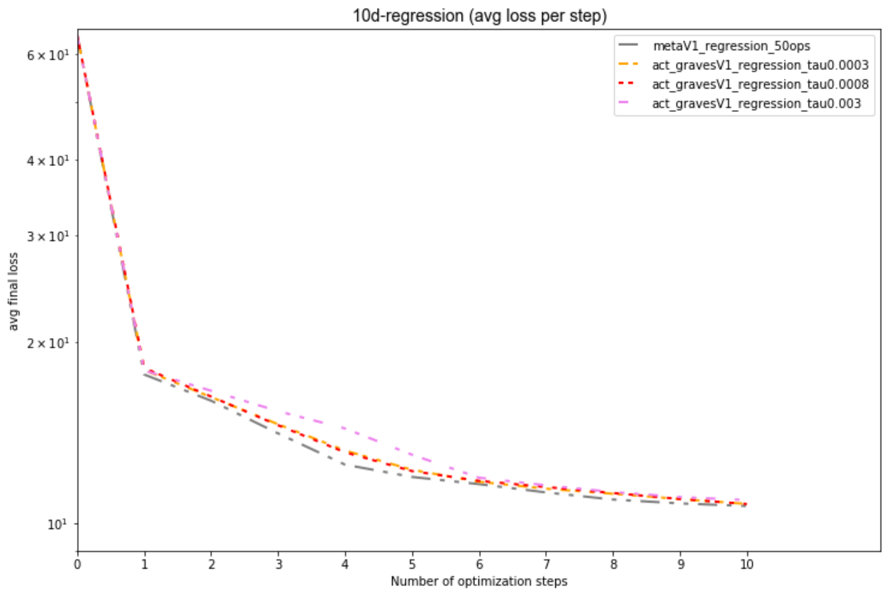


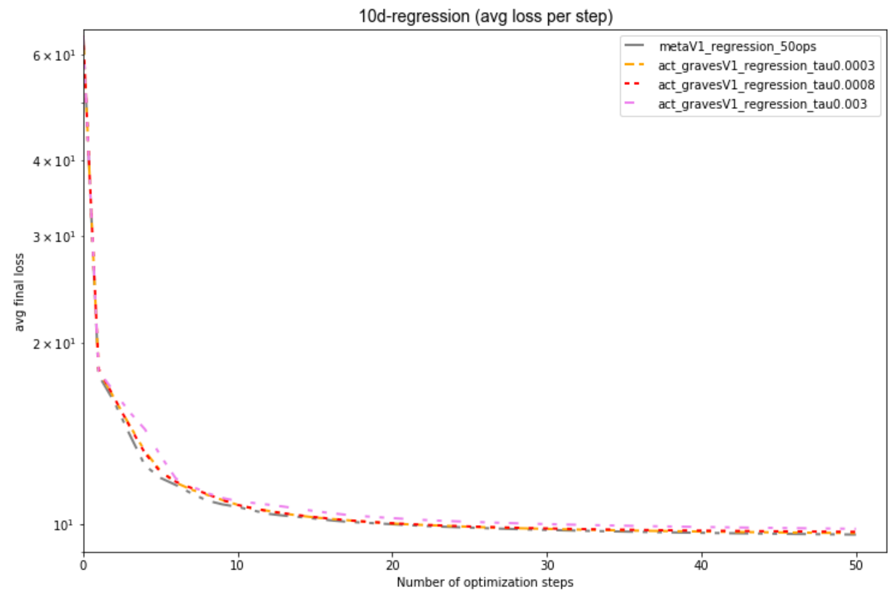
Halting step statistics final epoch: Range(1, 100) / mean=22.2 / stddev=11.6 / median=20.0

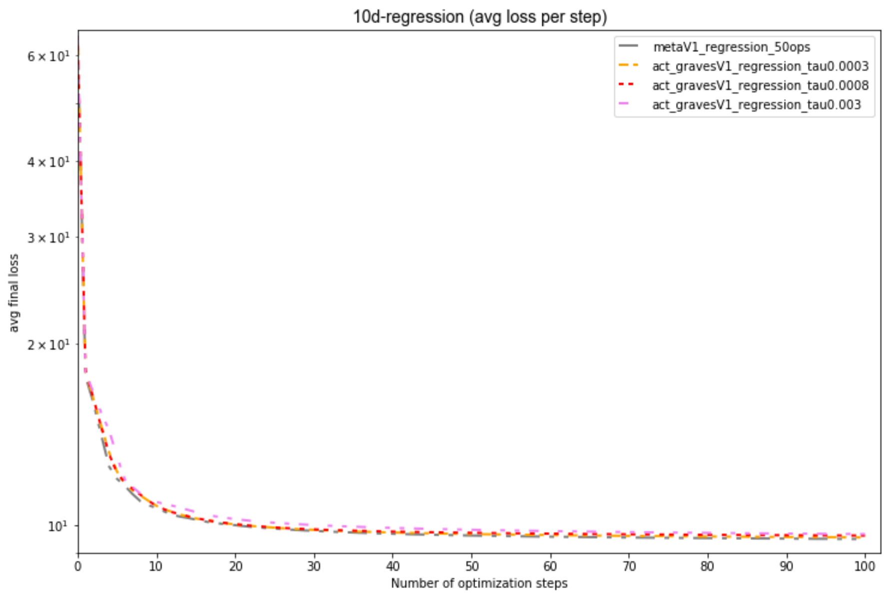


Halting step statistics final epoch: Range(18, 34) / mean=21.5 / stddev=1.4 / median=21.0

Regression - Compare test performance between: metaV1, ACT_Graves model







Regression (**student-t**) - Compare test performance between: metaV1, ACT_Graves and ACT_sbV3.2 model