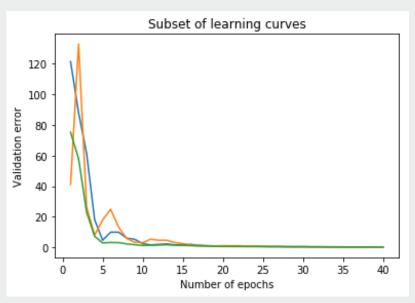
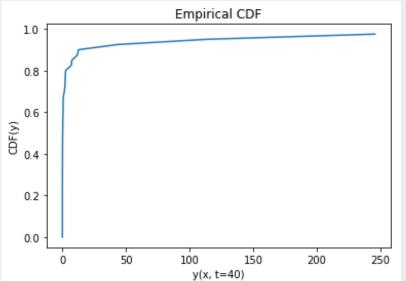
Foundations of Deep Learning Final Project

Keyu Qi, Huaixin Luo, Jizhou Xie WS 2017/18

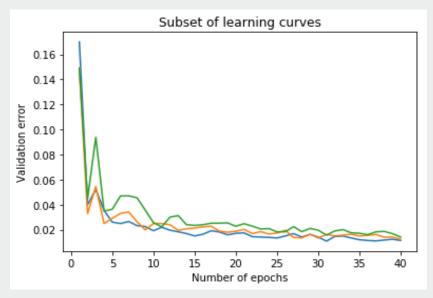
Computer Science Department University of Freiburg

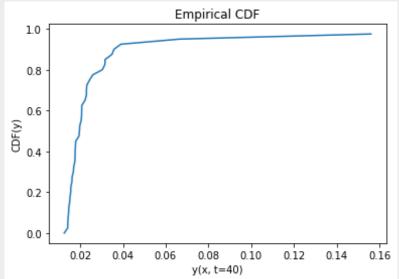




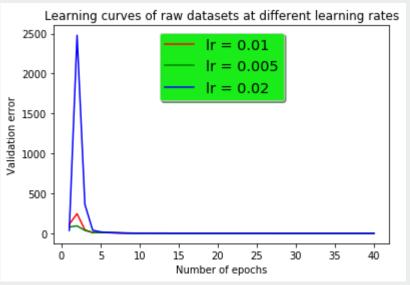


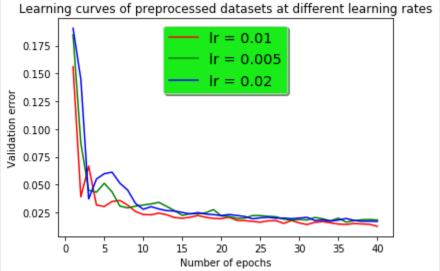
Training model with raw datasets



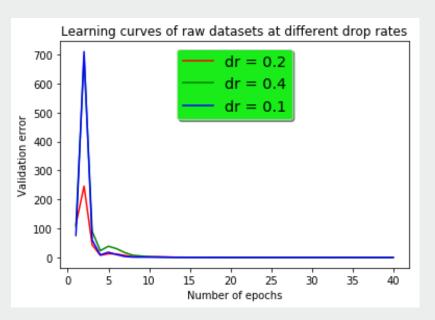


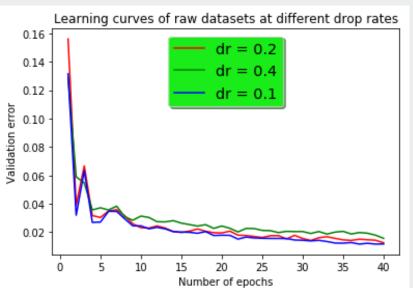
Training model with preprocessed datasets



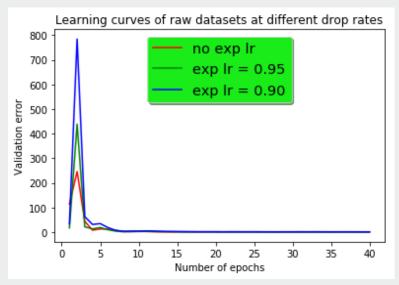


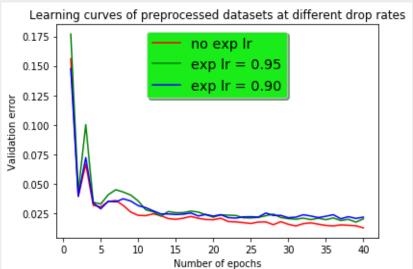
Training data with different learning rates





Training data with different drop rates

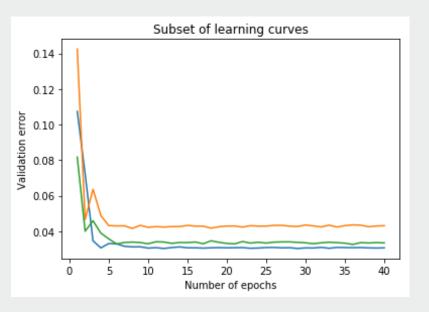


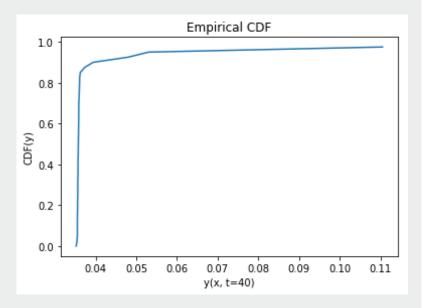


Training model with exponential learning rate

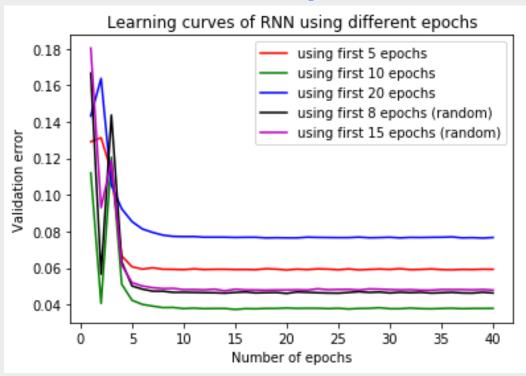
MODEL	SCORE	MSE
Linear	0.12	0.0306
Decision Tree	0.53	0.0164
Random Forest	0.59	0.0116



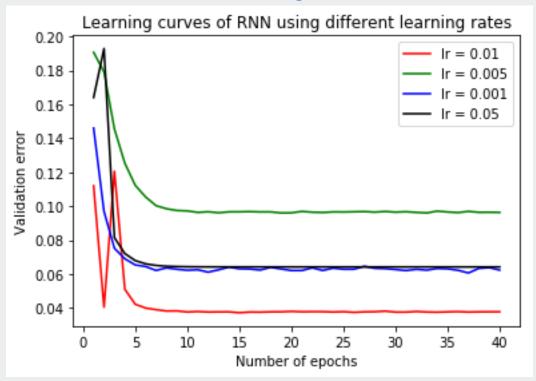




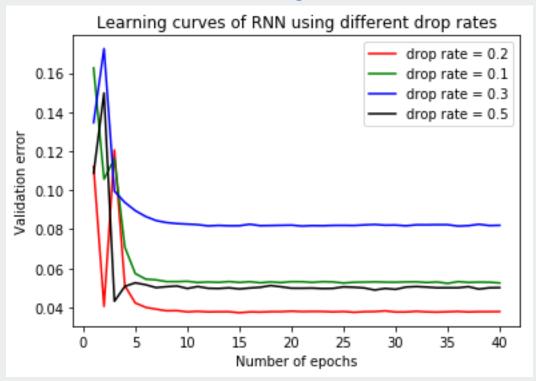
Training model with first 5 epochs



Training model with different number of first epochs



Training model with different learning rates



Training model with different drop rates

MODEL	SCORE	MSE
Linear	0.956	0.00139
Decision Tree	0.922	0.00266
Random Forest	0.971	0.00102



train a simple linear regressor uses the configuration and the last 4 points to predict the next one

average cross validation MSE: 0.000423 average cross validation score: 0.988433



Foundations of Deep Learning Final Project

Source code:

github.com/hoshiraku/dlfinal

