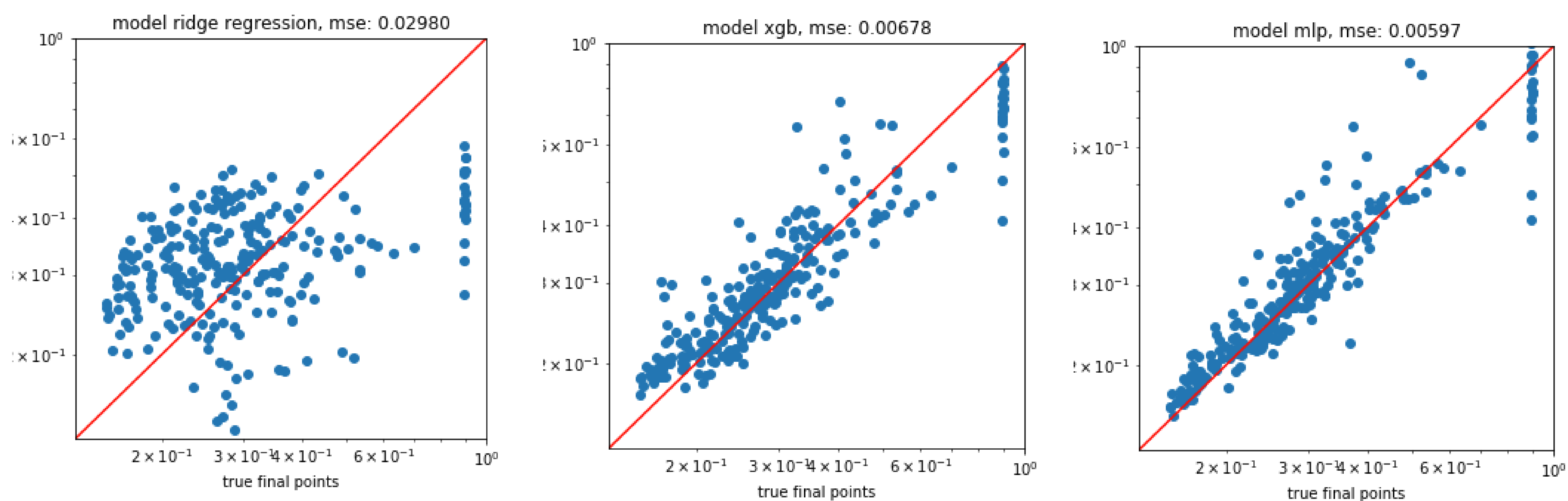


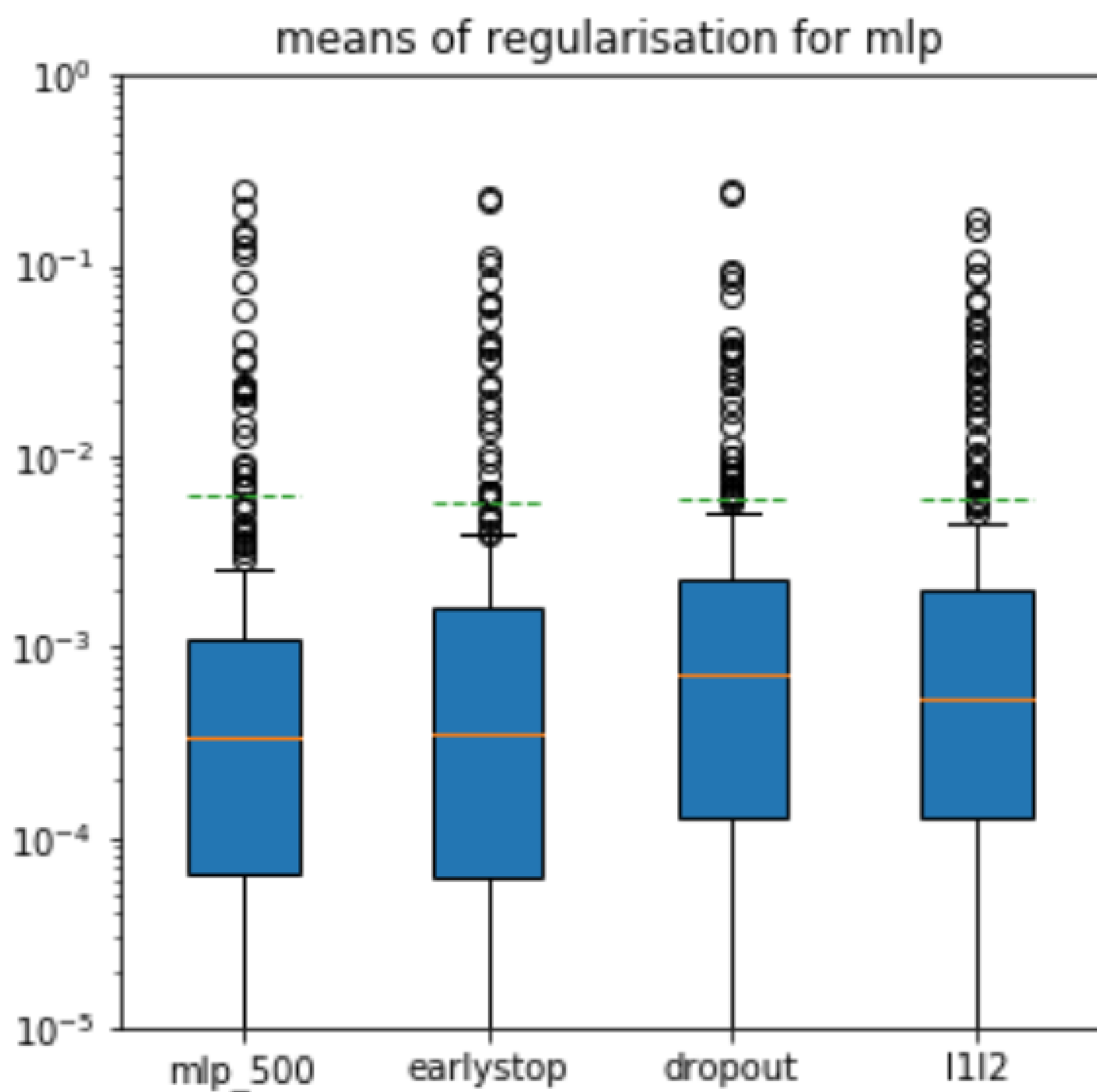
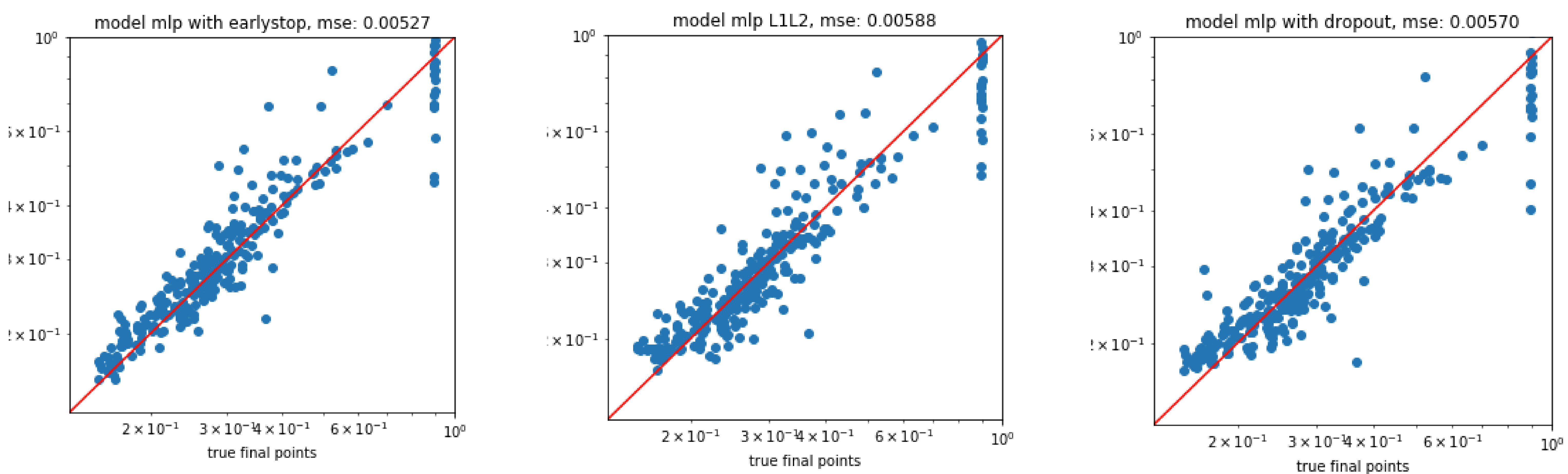
Extrapolating learning curves with rnns

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Models predicting directly from configuration



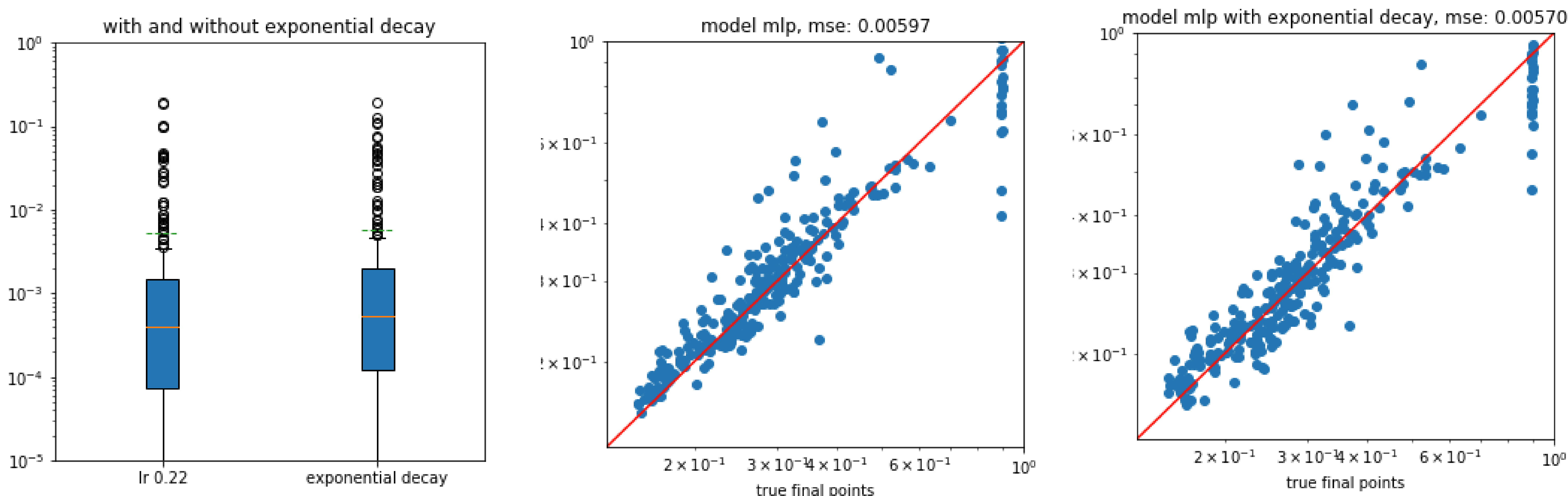
Regularisation L1L2, Dropout, Earliestop,



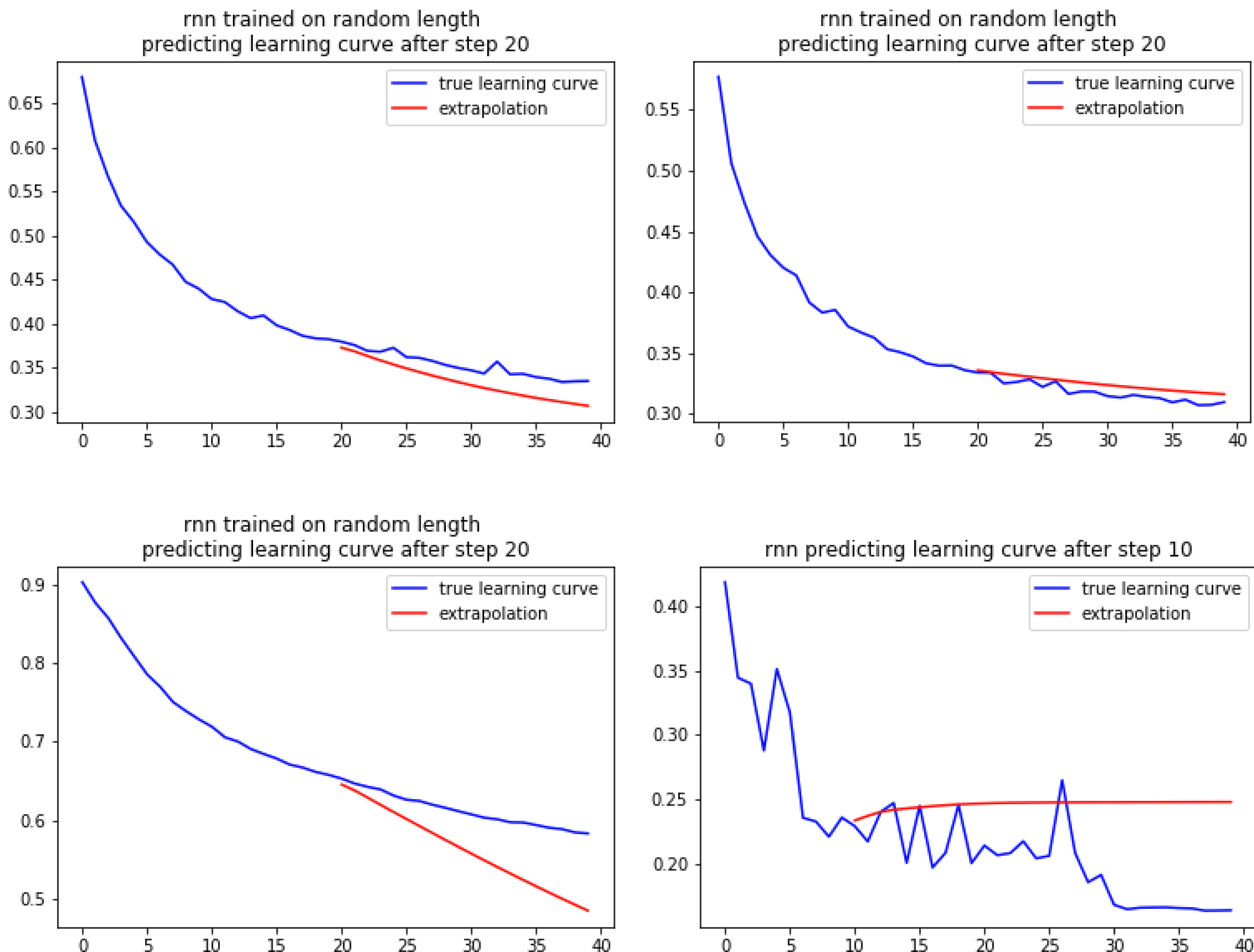
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Mlp exponential decay



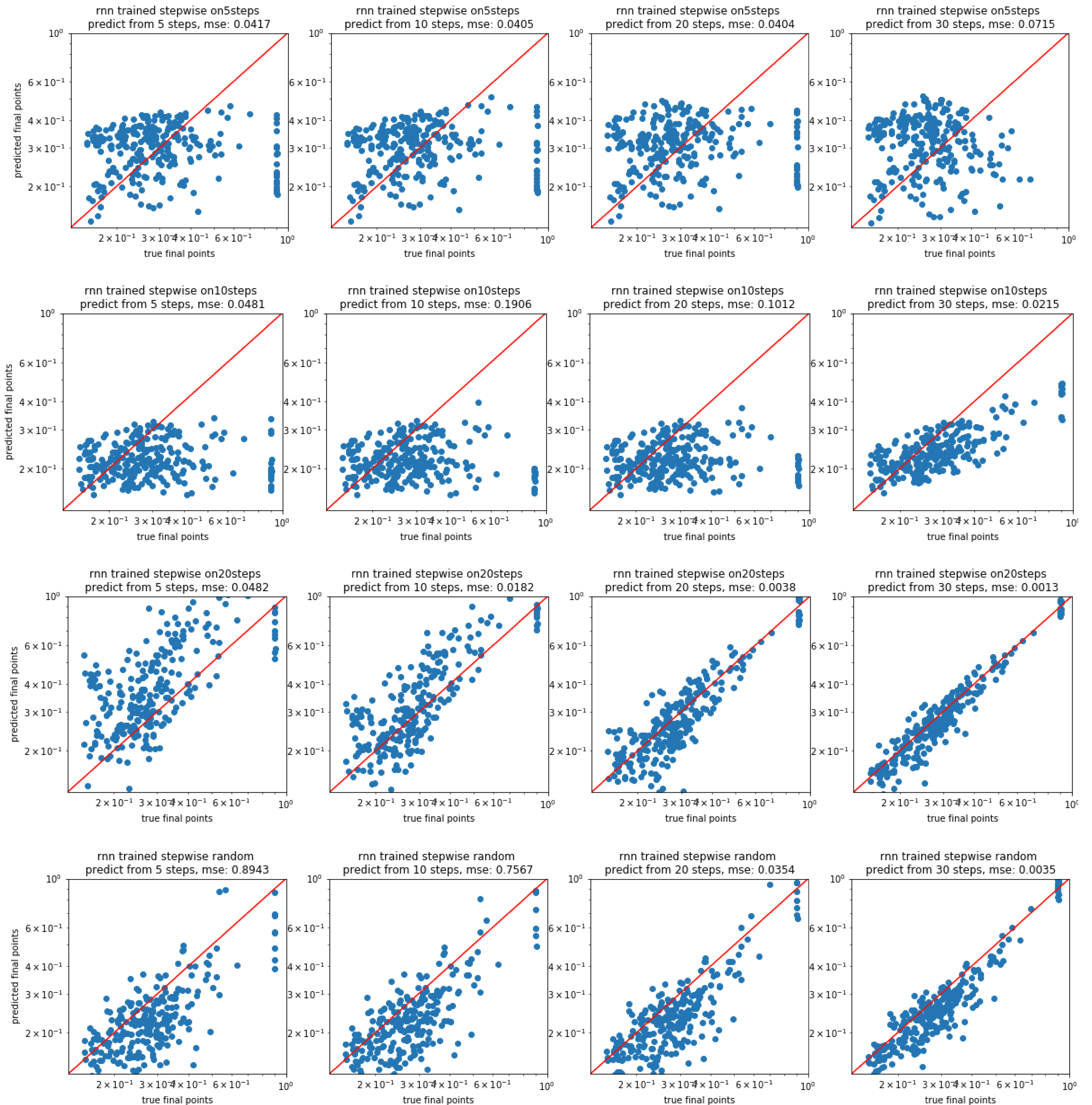
Learning curve extrapolations



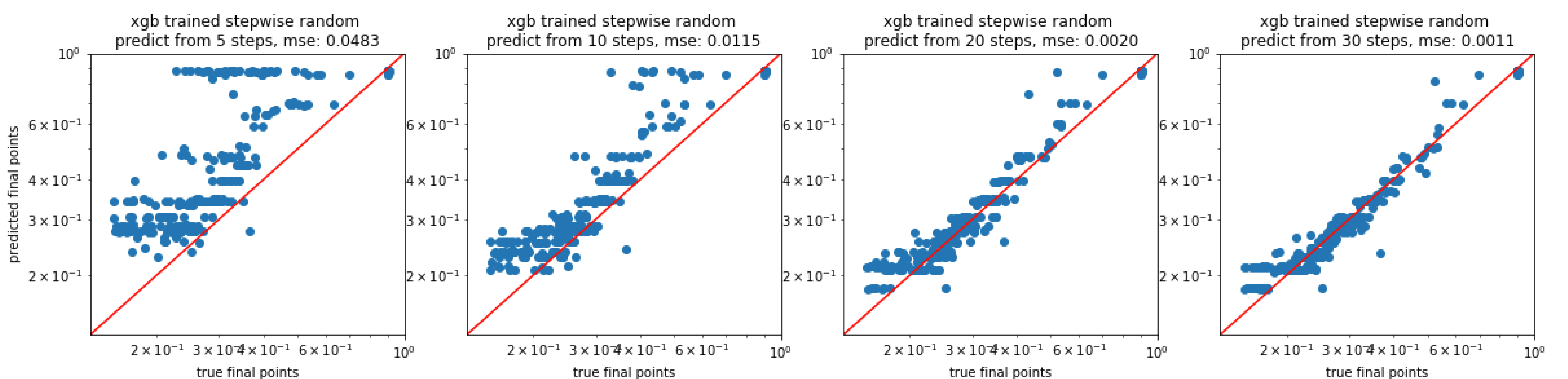
Extrapolating learning curves with rnns

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Scatterplots rnns trained stepwise



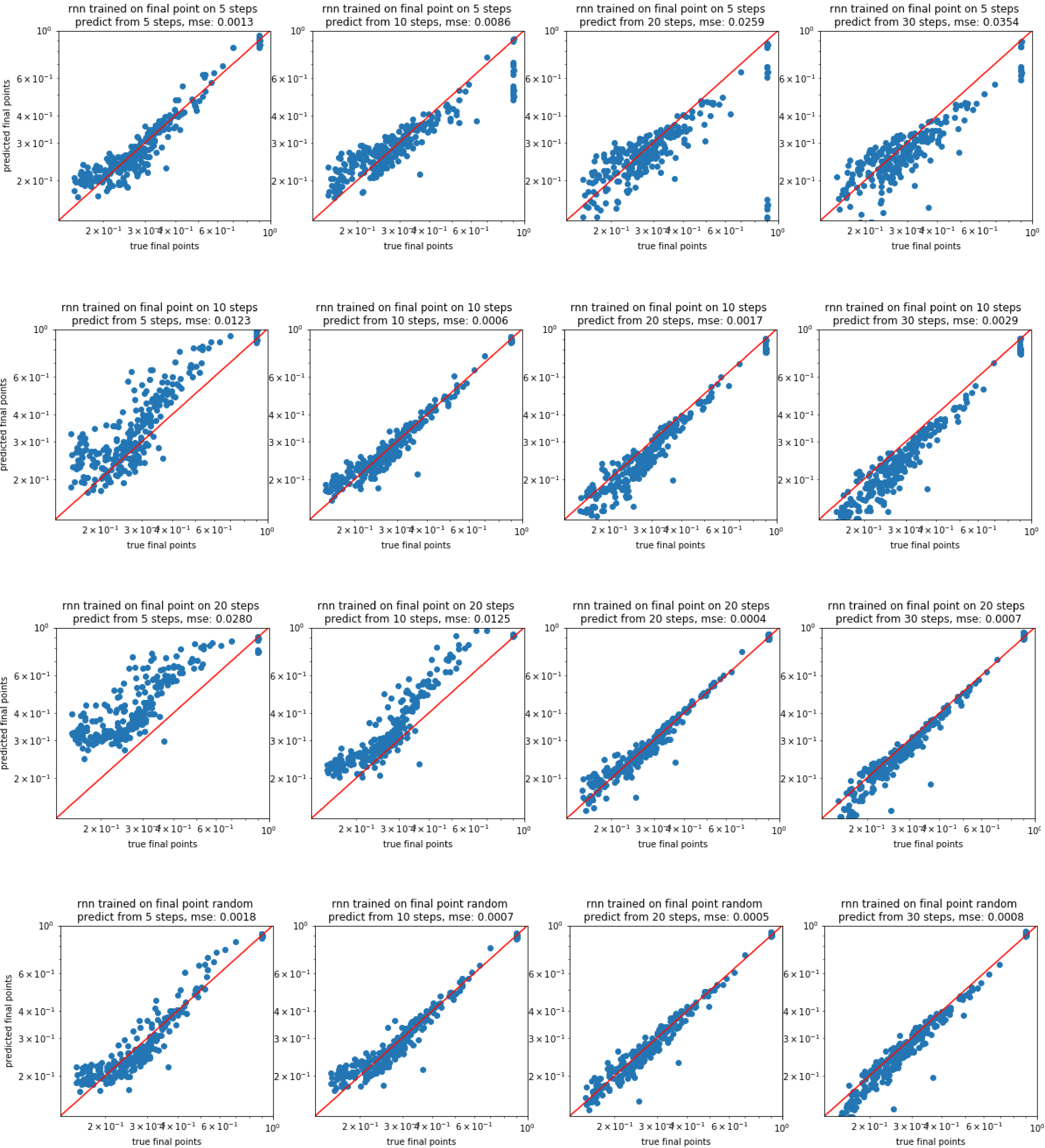
Baseline XGB trained stepwise



Extrapolating learning curves with rnns

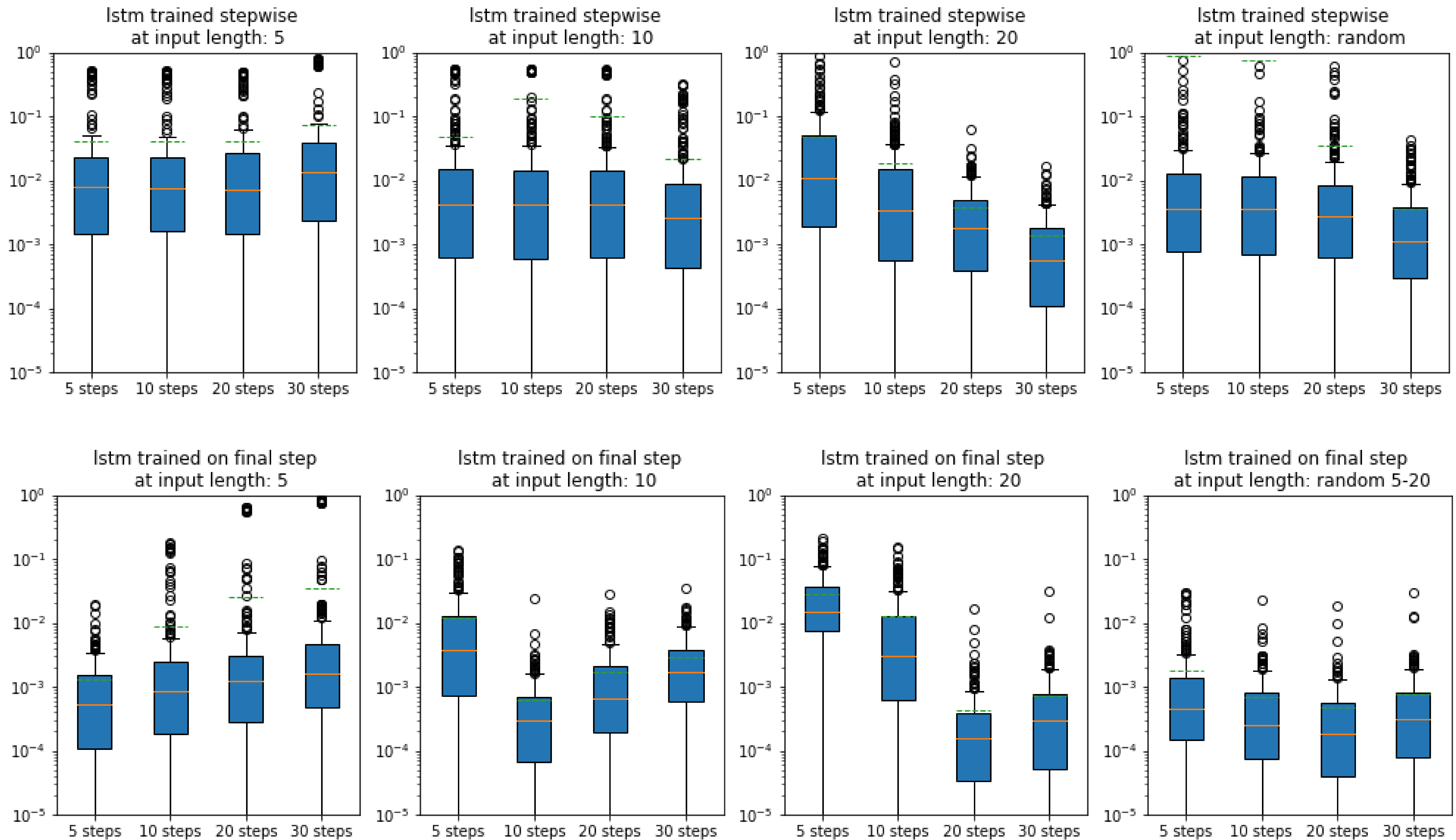
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Scatterplots rnns trained on final point



Extrapolating learning curves with rnns

Box plots rnns trained stepwise / on final step



Extrapolating learning curves with rnns

MSEs

	5 steps	10 steps	20 steps	30 steps
nextstep 5	0.04171	0.04046	0.04045	0.07152
nextstep 10	0.04811	0.19056	0.1012	0.02154
nextstep 20	0.0482	0.01821	0.00384	0.00134
nextstep rand 5-20	0.89427	0.75675	0.03539	0.00353
xbn next	0.04831	0.01152	0.00204	0.00113
finalstep 5	0.00128	0.00863	0.02586	0.03539
finalstep 10	0.01228	0.00062	0.0017	0.00289
finalstep 20	0.02802	0.01245	0.00043	0.00075
finalstep rand 5-20	0.00182	0.00069	0.00047	0.00076