

## California Housing dataset

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- Performance comparison Iteration wise

Dataset	Threshold 5th Quantile	Threshold 95th Quantile	Epochs for 5th Quantile Constant LR	Epochs for 95th Quantile Constant LR	Epochs for 5th Quantile LALR	Epochs for 95th Quantile LALR
California Housing	0.0542	0.1578	1000	1000	<b>161</b>	<b>308</b>

- Performance comparison Loss wise

Dataset	Epochs	Loss 5th Quantile Constant LR	Loss 95th Quantile Constant LR	Loss 5th Quantile LALR	Loss 95th Quantile LALR
California Housing	1000	0.0542	0.1578	0.0506	0.1550

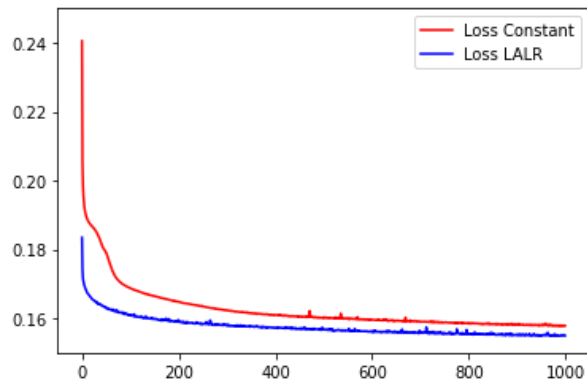


Fig: Graph for Quantile 0.95

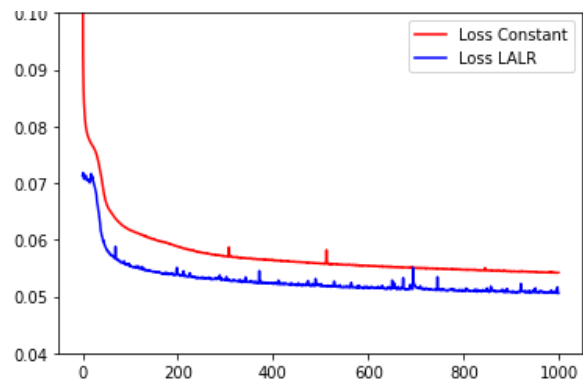


Fig: Graph for Quantile 0.05

## Boston Housing Dataset

- Performance comparison Iteration wise

Dataset	Threshold 5th Quantile	Threshold 95th Quantile	Epochs for 5th Quantile Constant LR	Epochs for 95th Quantile Constant LR	Epochs for 5th Quantile LALR	Epochs for 95th Quantile LALR
Boston Housing	0.0552	0.1460	1000	1000	<b>110</b>	<b>88</b>

- Performance comparison Loss wise

Dataset	Epochs	Loss 5th Quantile Constant LR	Loss 95th Quantile Constant LR	Loss 5th Quantile LALR	Loss 95th Quantile LALR
Boston Housing	1000	0.0552	0.1460	0.0505	0.1393

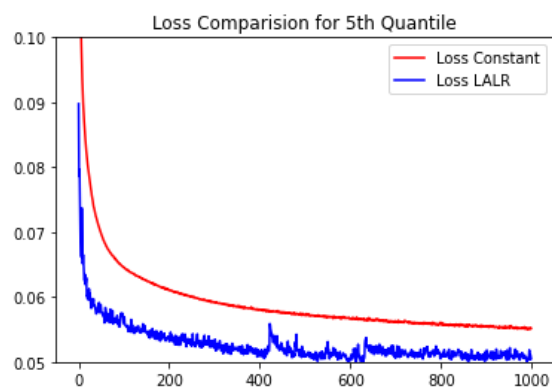


Fig: Graph for Quantile 0.05

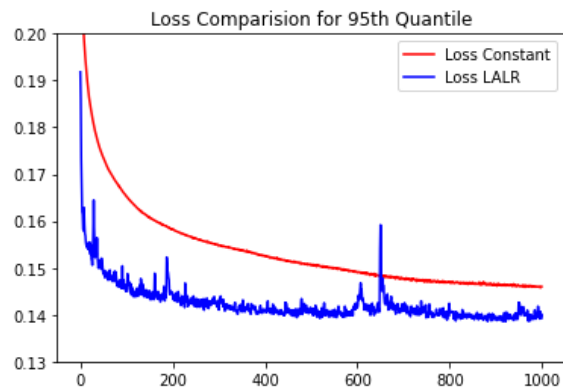


Fig: Graph for Quantile 0.95

\*Training and Testing data are normalized

## Energy Efficiency Dataset ( Multivariate)

- Performance comparison Iteration wise

Dataset	Threshold 5th Quantile	Threshold 95th Quantile	Epochs for 5th Quantile Constant LR	Epochs for 95th Quantile Constant LR	Epochs for 5th Quantile LALR	Epochs for 95th Quantile LALR
Energy Efficiency Housing	0.0493	0.1089	1000	1000	<b>16</b>	<b>51</b>

- Performance comparison Loss wise

Dataset	Epochs	Loss 5th Quantile Constant LR	Loss 95th Quantile Constant LR	Loss 5th Quantile LALR	Loss 95th Quantile LALR
Energy Efficiency Housing	1000	0.0493	0.1089	0.0380	0.0997

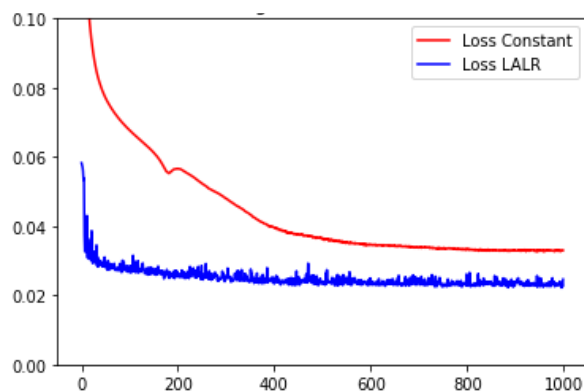


Fig: Graph for Quantile 0.05

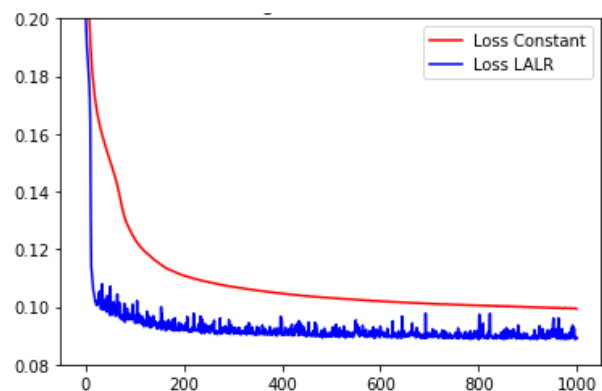


Fig: Graph for Quantile 0.95

\*Training and Testing data are normalized