Sale Price

34,900.00	682,990.00

Sale Price Factors

Numerical Columns	|Price Correlation|
Sale Price	1.00
OverallQual	0.79
GrLivArea	0.71
GarageCars	0.64
GarageArea	0.62
TotalBsmtSF	0.61
1stFlrSF	0.61
FullBath	0.56
TotRmsAbvGrd	0.53
YearBuilt	0.52
Total	**11.85**

Sale Price by Lot Area

Year ● 2006 ● 2007 ● 2008 ● 2009 ● 2010

Price by Building Type

- Single-family 186K
- Two-family 128K
- Duplex 134K
- Townhouse 136K
- Townhouse End Unit 182K
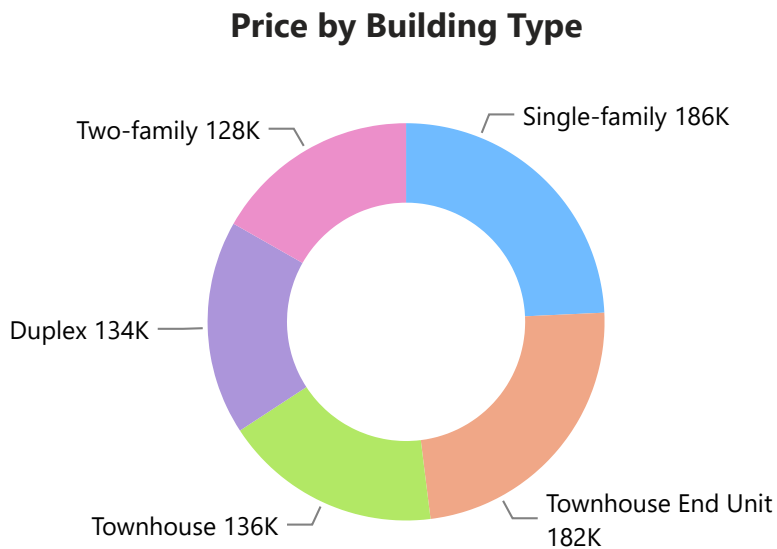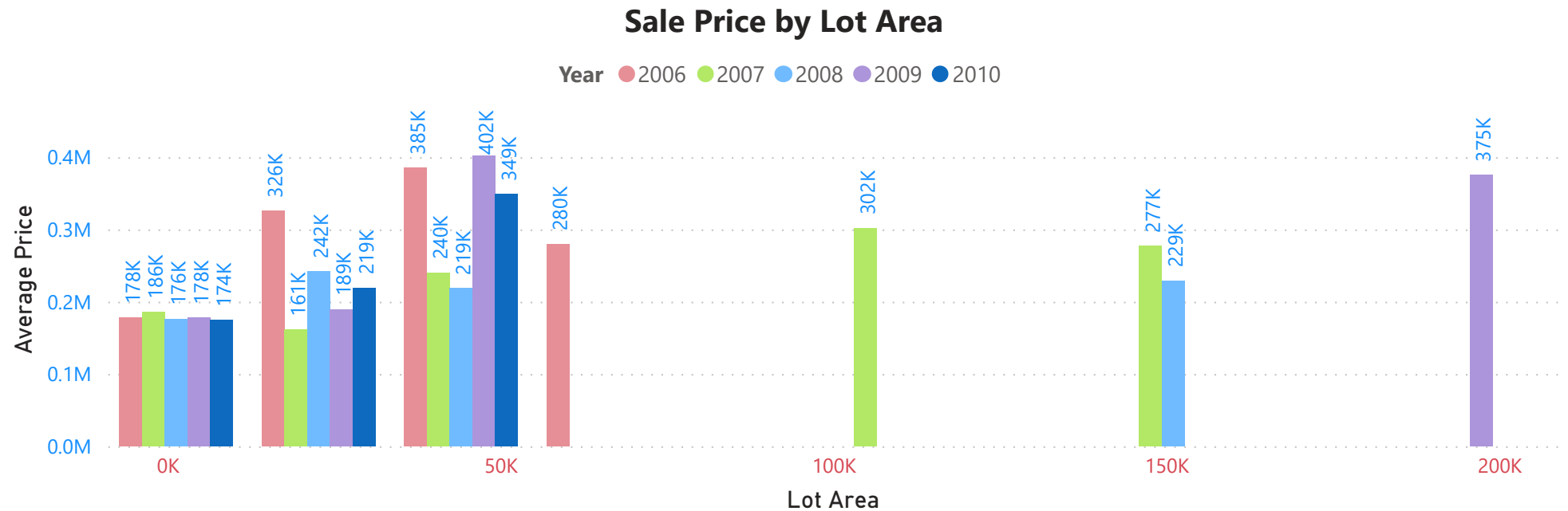
Type of Sale

Year Sold	Contract	Court Deed	New House	Other	Warranty Deed	**Total**
2006	142K	120K	260K	116K	172K	**183K**
2007		154K	254K	122K	177K	**186K**
2008	155K	150K	322K		172K	**177K**
2009	191K	143K	298K		174K	**179K**
2010	165K	146K	334K		172K	**177K**

Price by Location Type

- Commercial 75K
- Floating Village 214K
- Residential 180K
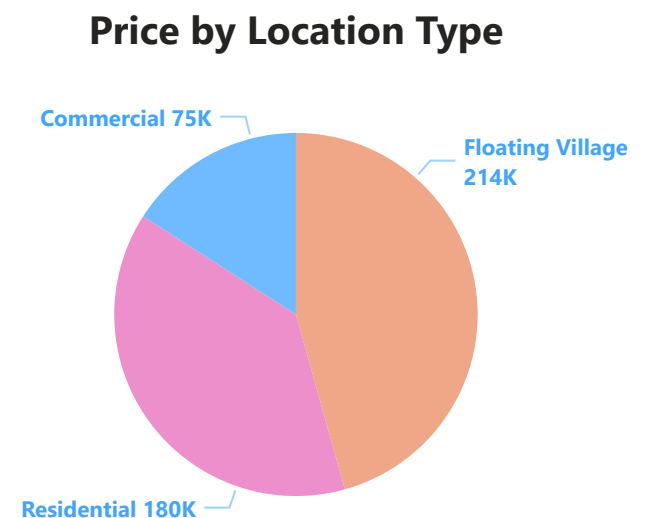
Training Loss of Model with All Columns

Learning Rate x E-05	Epochs	Ave Error 0	Ave Error 1
10.00	8000	4,581.94	5,220.70
2.50	16000	2,675.82	3,404.62
0.63	32000	1,685.12	2,671.57
0.16	64000	1,038.46	2,026.53

Training and validation loss

Training and validation loss

Training and validation loss

Training and validation loss
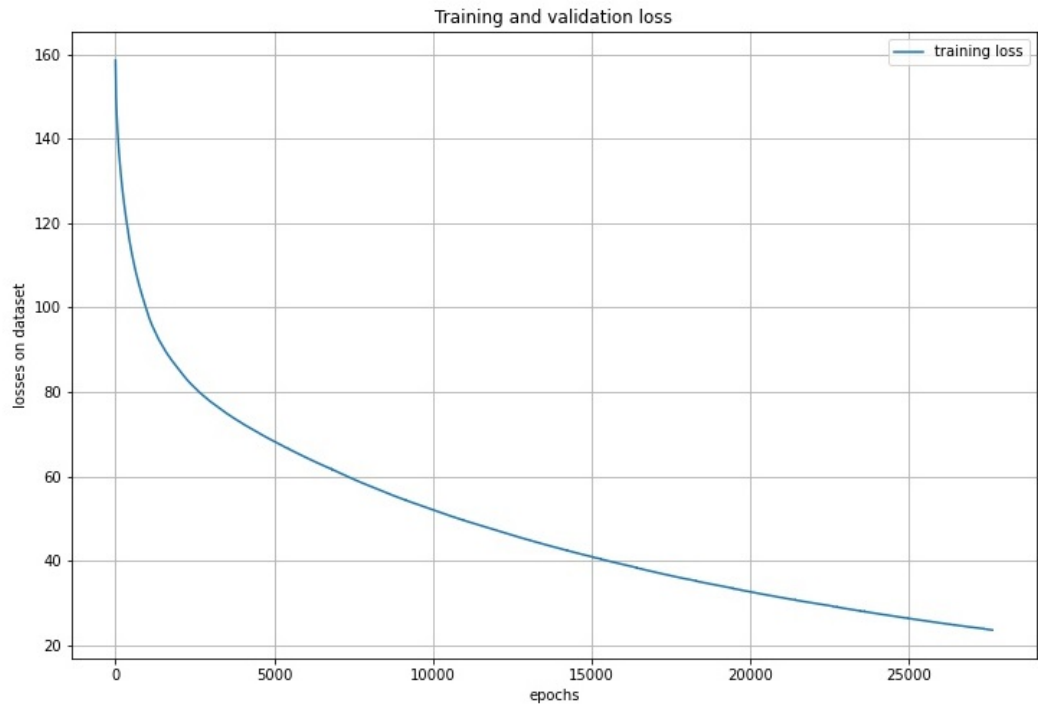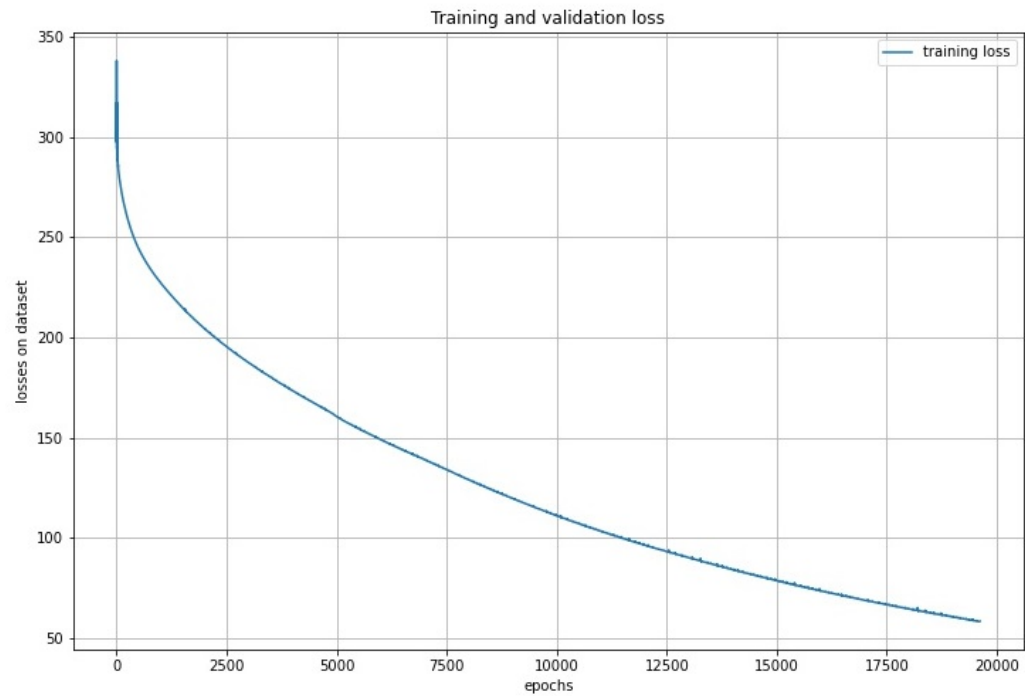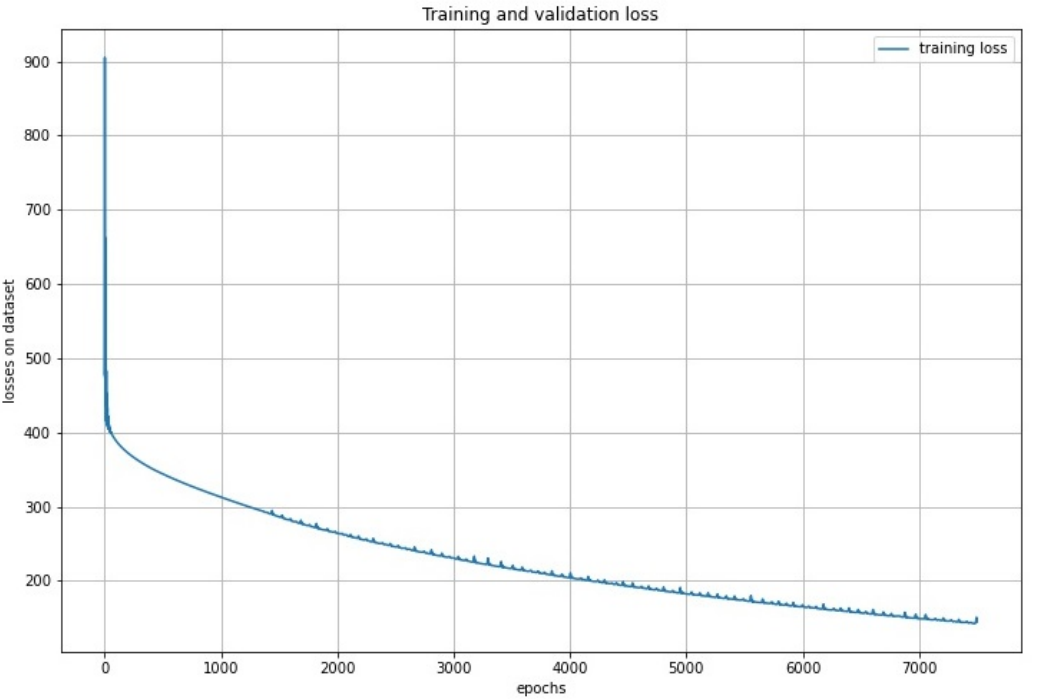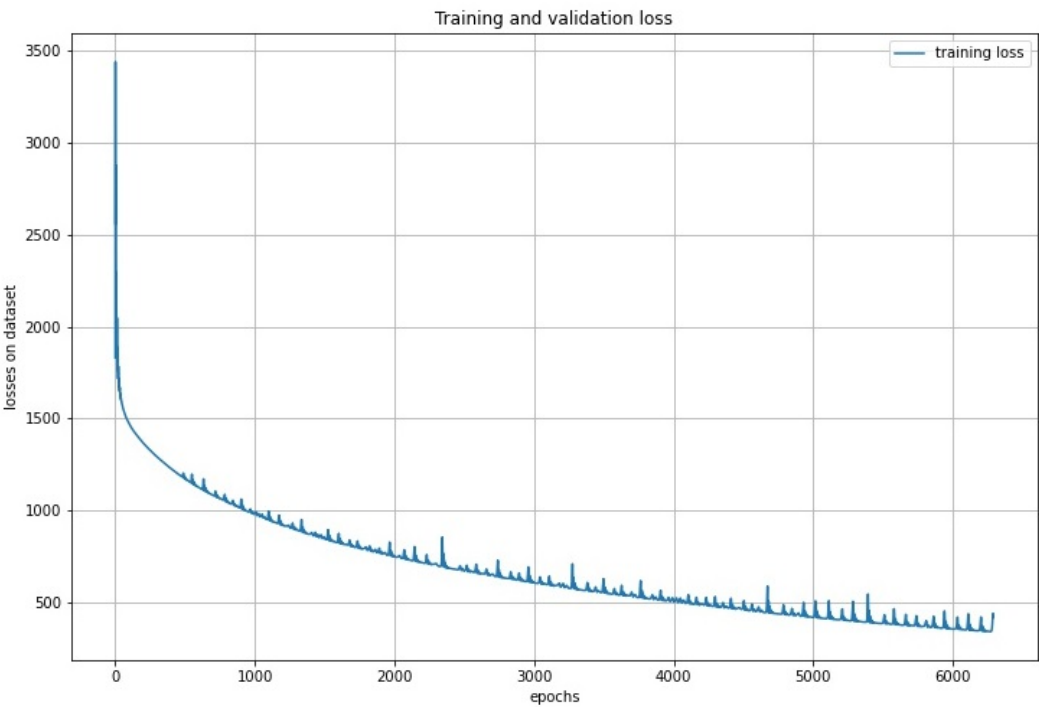
Training Loss of Model with Some Columns

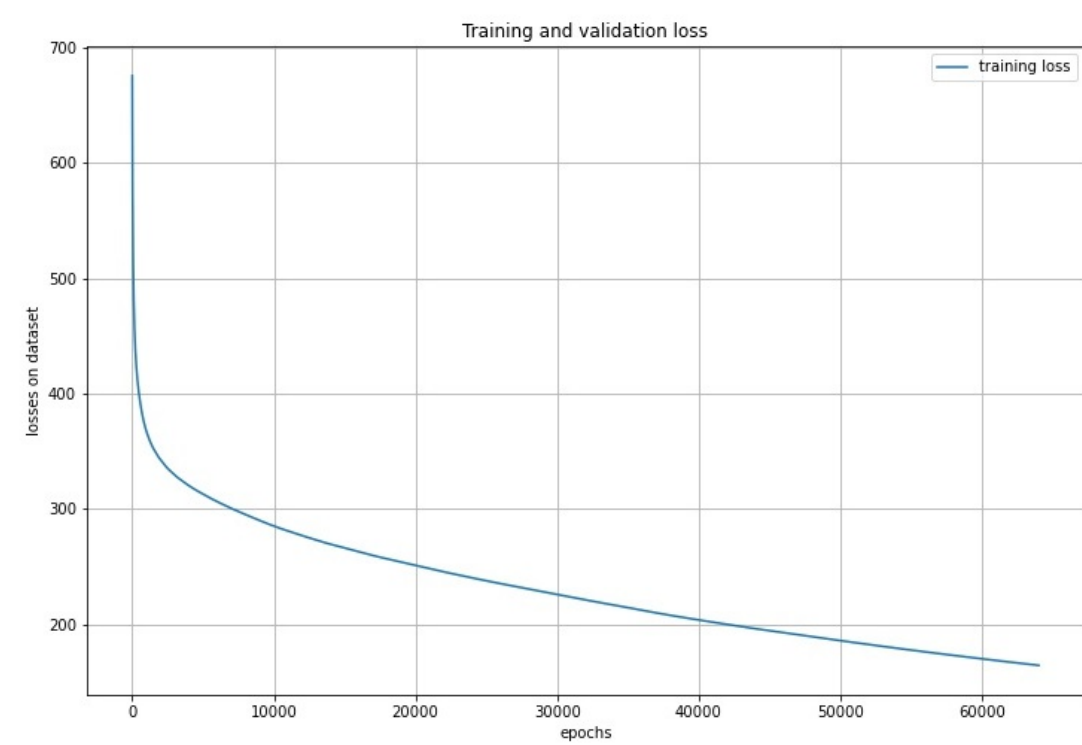| Learning Rate x E-05	Epochs	Ave Error 0	Ave Error 1
10.00	8000	7,125.96	7,476.15
2.50	16000	5,053.71	6,038.20
0.63	32000	3,689.87	4,927.23
0.16	64000	2,896.67	4,084.18

Training and validation loss

Training and validation loss

Training and validation loss

Training and validation loss
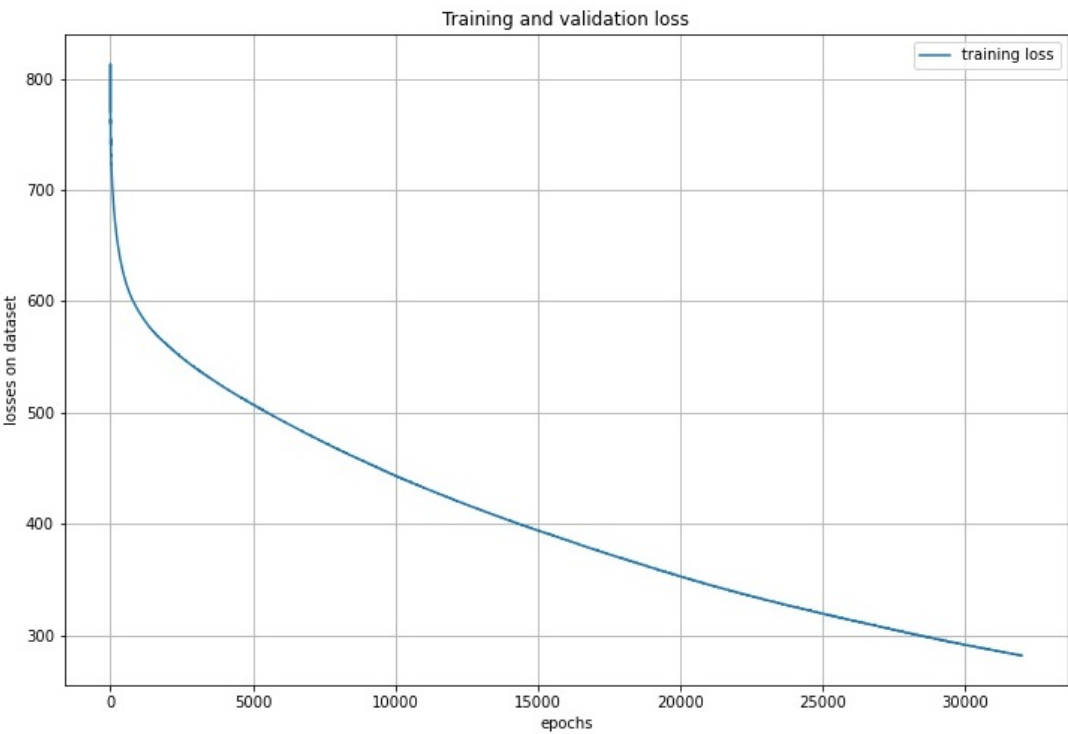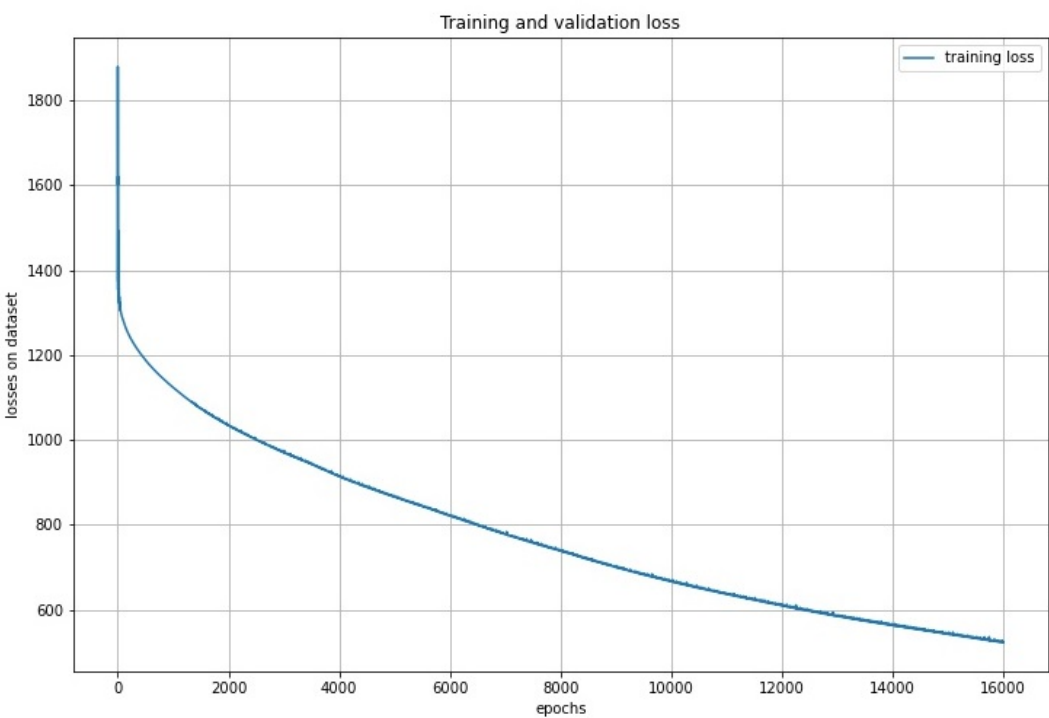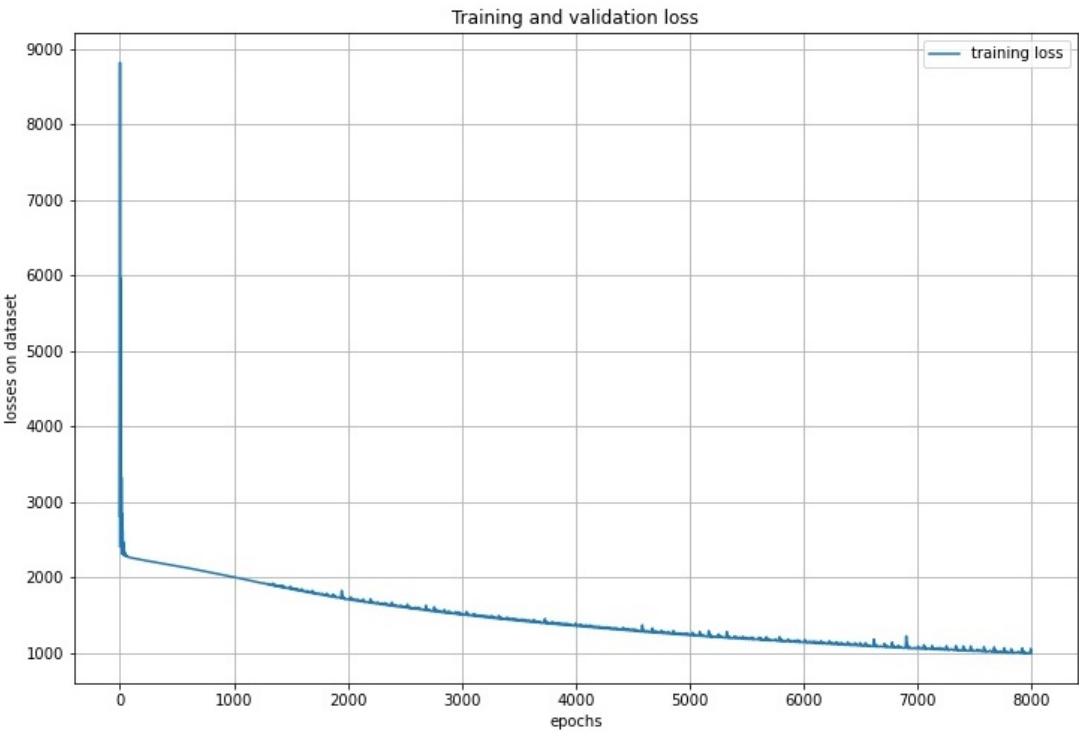
Layers Structure of the Prediction Model

input_1: InputLayer	input:	[(?, 35)]
	output:	[(?, 35)]

input_2: InputLayer	input:	[(?, 43)]
	output:	[(?, 43)]

dense: Dense	input:	(?, 35)
	output:	(?, 35)

dense_3: Dense	input:	(?, 43)
	output:	(?, 43)

dense_1: Dense	input:	(?, 35)
	output:	(?, 35)

dense_4: Dense	input:	(?, 43)
	output:	(?, 43)

dense_2: Dense	input:	(?, 35)
	output:	(?, 35)

dense_5: Dense	input:	(?, 43)
	output:	(?, 43)

concatenate: Concatenate	input:	[(?, 35), (?, 43)]
	output:	(?, 78)

dense_6: Dense	input:	(?, 78)
	output:	(?, 78)

dense_7: Dense	input:	(?, 78)
	output:	(?, 78)

input_3: InputLayer	input:	[(?, 1)]
	output:	[(?, 1)]

concatenate_1: Concatenate	input:	[(?, 78), (?, 1)]
	output:	(?, 79)

dense_8: Dense	input:	(?, 79)
	output:	(?, 79)

dense_9: Dense	input:	(?, 79)
	output:	(?, 79)

dense_12: Dense	input:	(?, 79)
	output:	(?, 79)

dense_10: Dense	input:	(?, 79)
	output:	(?, 52)

dense_13: Dense	input:	(?, 79)
	output:	(?, 52)

dense_11: Dense	input:	(?, 52)
	output:	(?, 1)

dense_14: Dense	input:	(?, 52)
	output:	(?, 1)