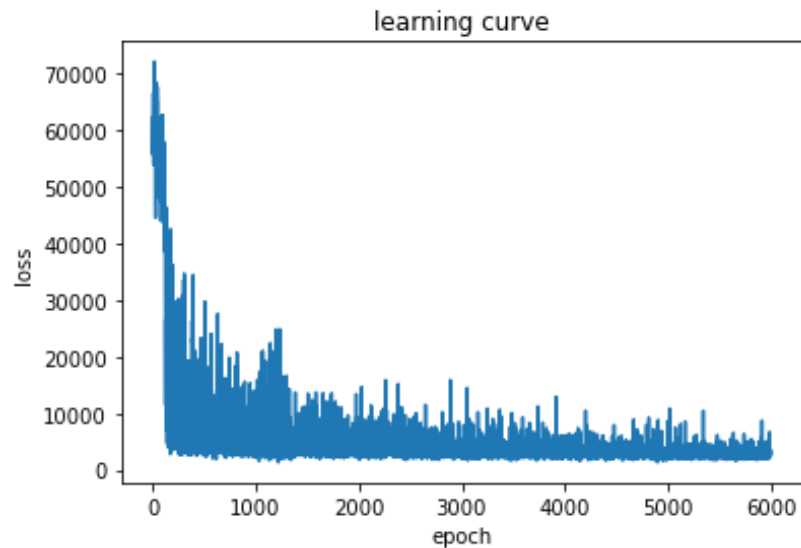


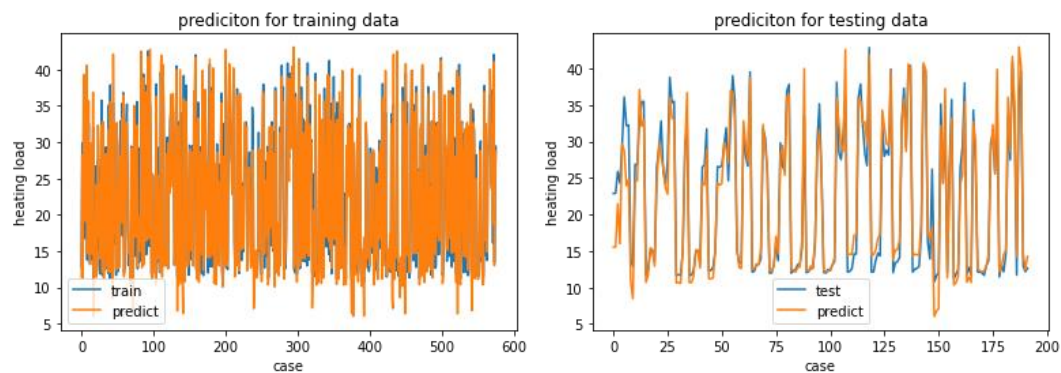
HW1

1. Regression

- network architecture : 16 – 80 – 40 – 1
- learning curve



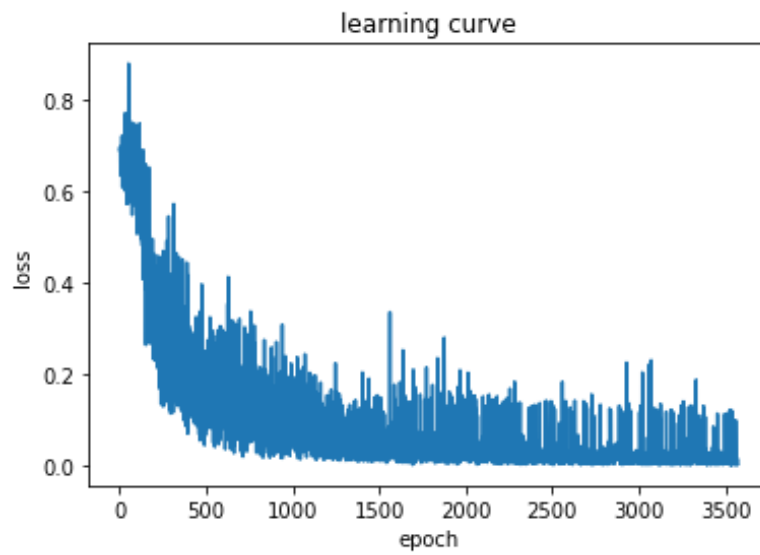
- training RMS error : 2.69
- testing RMS error : 2.82
- result with training data and testing data



- choosing features without cooling load
 - ◆ training RMS error : 5.06
 - ◆ testing RMS error : 5.43
 - ◆ it seems that cooling load influence the heating load significantly

2. Classification

- network architecture : 34 – 128 – 2
- learning curve



- training error rate : 0.003
- testing error rate : 0.086
- distribution of latent features

