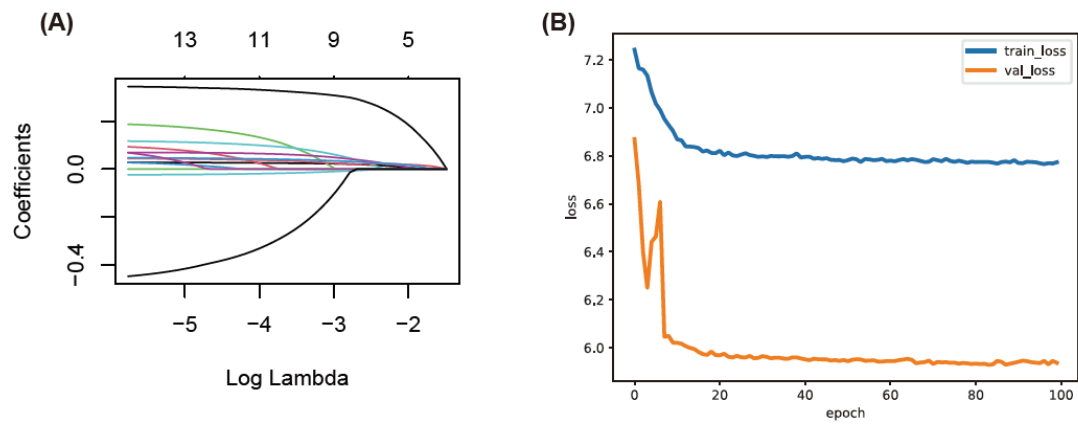


Supplementary material



Supplementary Figure 1 (A) The coefficients of the variables change with the lambda value in least absolute shrinkage and selection operator regression. (B) Learning curves of the deep learning model.

```
OrderedDict([('net.0.linear.weight', tensor([[ 1.7365e-01, -1.2509e+00,  3.5580e-01, -
2.1626e-01,  4.0924e-02,
-1.1766e+00, -1.1801e+00, -3.7776e-01,  8.3392e-01,  7.5928e-01,
 6.2234e-01, -2.2871e-01, -1.0588e+00],
[-3.9812e-02, -4.9440e-01,  4.7181e-02, -7.0513e-01, -2.6414e-01,
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-5.6299e-02, -3.5032e-01, -6.3932e-01],
[-5.4544e-01, -7.2549e-02, -4.0259e-01,  1.6177e-01,  2.2929e-01,
 3.9850e-01, -7.9547e-01, -1.1964e-01, -1.6543e-02, -1.6987e+00,
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[-2.7613e-01, -6.1668e-01, -1.1489e-01,  7.0544e-01,  1.7146e-01,
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 1.7666e-01, -1.9465e+00, -1.8560e+00],
[ 1.6299e+00,  1.3222e-01, -1.0219e+00, -1.1563e-01,  2.4770e-02,
-3.8083e-01,  5.9302e-01, -2.4415e-01,  4.9313e-01,  1.6640e-01,
 6.5875e-01, -1.4700e+00, -7.4737e-01],
[ 5.1889e-01,  2.4784e-01,  5.4924e-02,  4.0549e-01,  6.4131e-01,
 3.3175e-01,  2.4815e-02,  3.1589e-01, -7.5849e-02,  5.5592e-01,
-7.8667e-01, -1.5412e+00, -2.1630e+00],
[ 4.8735e-01,  8.2488e-01,  1.0448e+00,  4.6508e-01, -3.5427e-01,
-2.9438e-01, -6.5491e-02, -1.2203e+00,  1.2532e-01,  3.0826e-01,
-6.7357e-01,  9.4455e-01,  9.2143e-01],
```

Supplementary Figure 2 The deep learning model's parameters.