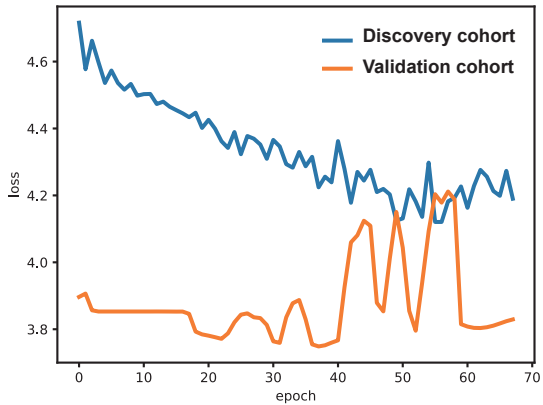
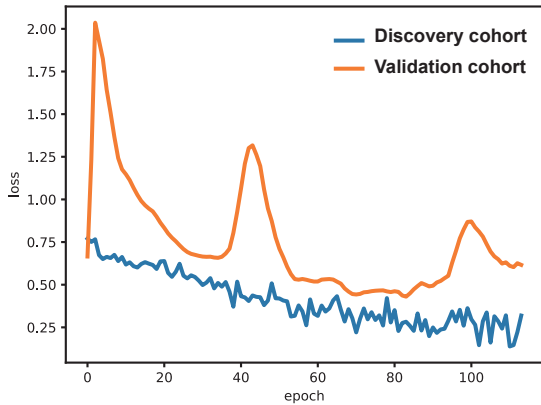


**(A)****Prognostic model****(B)****Immunotherapy efficacy model**

**Supplement Figure 1 The learning curves of models.** A: The learning curves of ovarian cancer prognostic model; B: The learning curves of ovarian cancer immunotherapy efficacy model.

# Catalogue

<b>Immunotherapy efficacy model</b> .....	2
<b>Prognostic model</b> .....	8

## **Immunotherapy efficacy model**

OrderedDict([('net.0.linear.weight', tensor([[ -0.7447, -0.4986, 0.2519, -0.1189, -0.2790, -0.6699, -0.1789, -0.8765, 0.0215, -0.8449, 0.1893, -1.1500, 0.1007, -1.0178, -0.9523, 0.1394, -0.3600], [-0.6126, 0.0858, -0.5234, 0.4545, -0.0173, -0.4664, -0.1712, -1.0568, 0.5795, -0.2035, -0.5308, -0.5393, -0.2722, 0.0563, -0.5082, -0.0760, 0.0506], [-0.8109, 0.8371, -0.5144, 0.3084, -0.3429, -0.3054, 0.0030, 0.6991, 0.5770, -1.0432, -0.1211, -0.5506, -0.2731, 0.4715, -0.5812, -0.6158, 0.1854], [ 0.1983, 0.0577, 0.5608, 0.5755, 0.2751, 0.8021, -0.4880, 0.3826, 0.2782, 0.1395, 0.7708, 0.3570, 0.3937, 0.5217, -0.0648, -0.7490, 0.0465], [-0.4330, 0.2381, 0.6250, -0.2272, 0.5158, 0.5908, -0.3814, 0.7194, 0.3988, 0.4550, -0.1366, 0.2341, 0.1600, -0.5447, -0.3550, 0.6846, -0.8815], [-0.5834, 0.3688, 1.2763, -0.2926, 0.5820, -0.0683, -0.6973, -0.7629, -0.2061, -0.3386, 0.3747, 0.4700, -0.3492, -0.7644, -0.3953, -0.4496, 0.1247], [ 0.3295, 0.8042, 0.4391, 0.1758, 0.1368, -0.2902, 0.0537, -0.8408, -0.5155, 0.3590, -0.1579, 0.5241, 0.3509, 0.1298, 0.0914, 0.3039, 0.8331], [ 0.8729, -0.4908, 0.9545, 0.1751, 0.1079, 0.6962, 0.2608, -0.4530, -0.0890, 0.1101, 0.4531, -0.5583, -0.1452, -0.1066, -0.0069, -0.0634, 0.3870], [ 0.2063, -0.4092, 0.4970, -0.1606, 0.1833, -0.1478, 0.4519, 0.6599, 0.5174, -0.1042, -0.0580, -0.1198, 0.2287, 1.0959, -0.1207, 0.9143, 0.5185], [-0.4938, 0.5436, -0.1824, 0.6972, 0.2562, 0.6049, -0.6583, 0.3679, 0.7036, -0.2788, 0.5675, -0.3669, 0.5881, 0.5832, -0.5180, -0.5549,

-0.0261],  
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-6.3475e-01]])), ('net.1.linear.bias', tensor([ 0.3430, 0.6069, 0.3765, 1.2221, -0.6915, 0.5283,  
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0.5508, -0.9211, 0.1475, 0.2199, -0.0668, -0.7984, 0.3575, 0.2832])), ('net.1.batch\_norm.weight', tensor([ 0.4112, 0.8352, 0.6664, 0.5464, 0.6683, 0.1455, 0.6447, 0.6225,  
0.7801, 1.0242, 0.6286, -0.0707, 0.3464, 0.7634, 0.4303, 0.9505])), ('net.1.batch\_norm.bias', tensor([ 0.1294, 0.2502, 0.3621, -0.3235, 0.3458, -0.2002, 0.2276, 0.6174,  
-0.6606, -0.0313, 0.6180, -0.0117, 0.4633, -0.1625, -0.3369, 0.0345])), ('net.1.batch\_norm.running\_mean', tensor([1.5381, 1.6109, 1.3405, 2.6556, 0.4382, 2.5199, 2.6188, 0.6643, 1.2481,  
0.7977, 1.1442, 0.6207, 0.6377, 0.6614, 0.4565, 0.8753])), ('net.1.batch\_norm.running\_var', tensor([3.9098, 2.3099, 2.0196, 2.1564, 1.2625, 3.4703, 3.3666, 1.7306, 2.4739,  
6.5873, 2.3690, 3.8553, 3.4959, 6.1394, 2.0500, 3.2574])), ('net.1.batch\_norm.num\_batches\_tracked', tensor(54)), ('net.2.weight', tensor([[ -1.5484e-02, -2.4352e-01, -8.5190e-02, -8.8558e-02, -7.9590e-02,  
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-1.0381e-01, 4.2805e-02, 2.2121e-02, -7.8982e-02, 1.3303e-02,  
2.4109e-01]]]))))

## **Prognostic model**

OrderedDict([('net.0.linear.weight', tensor([[ -2.76826024e-01 3.15133899e-01 -3.13446730e-01 -  
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-2.68678427e-01 -2.88370132e-01 -3.04903328e-01 2.95909435e-01  
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-2.40811124e-01]])), ('net.0.linear.bias', tensor([-0.3017, 0.2101, 0.0168, -0.2728, -0.0100, -0.2940, -  
0.2743, -0.3156])), ('net.0.batch\_norm.weight', tensor([0.7061, 0.5154, 1.0000, 0.7062, 0.8497, 0.7061,  
1.1798, 1.2939])), ('net.0.batch\_norm.bias', tensor([-0.0974, 0.2471, 0.1655, -0.0150, 0.2177, 0.4108,  
-0.6736, -0.3783])), ('net.0.batch\_norm.running\_mean', tensor([1.3389e-05, 6.1758e+02, 0.0000e+00,  
1.4384e-05, 7.7164e+01, 2.8294e-03,  
5.5237e-03, 8.8472e-05])), ('net.0.batch\_norm.running\_var', tensor([1.8252e-02, 1.4199e+03,  
1.8248e-02, 1.8255e-02, 2.7665e+02, 1.9226e-02,  
2.0286e-02, 1.8306e-02])), ('net.0.batch\_norm.num\_batches\_tracked', tensor(38)),  
('net.1.linear.weight', tensor([[[-0.3147, -0.1821, 0.2540, -0.0870, -1.3953, -0.2437, -0.3378, -0.3504],  
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[-0.0766, -0.3138, 0.0717, -0.5154, 0.3888, 0.1010, 0.4716, 0.6132]]])), ('net.1.linear.bias',  
tensor([-0.0016, 0.5041, -1.0022, 0.1945])), ('net.1.batch\_norm.weight', tensor([1.1259, 1.0550, 0.5104,  
0.5990])), ('net.1.batch\_norm.bias', tensor([ 0.0801, -0.0603, -0.1505, 0.0827])),  
('net.1.batch\_norm.running\_mean', tensor([0.3987, 0.2552, 0.0015, 0.0583])),  
('net.1.batch\_norm.running\_var', tensor([0.4932, 0.1875, 0.0203, 0.0388])),  
('net.1.batch\_norm.num\_batches\_tracked', tensor(38)), ('net.2.weight', tensor([[ 0.5312, 0.2744, 0.0568,  
-0.1184]])))]))

**Supplement Figure 2 The parameters of ovarian cancer prognostic model and immunotherapy efficacy model.**