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1 Weekly Report

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Finished task:

1. Reproduce the AUTOSurv on Magellan.
2. Figure out how to get the importance scores for pathways, where we need the pathway name and it's orders.
3. Complete the gene-wise log rank & cox regression model for variable selection and how to connect it to LFSurv and DeepshapLFSurv.
 - For AutoSurv, Optimal training C-index: 0.6987, optimal validation C-index: 0.7841. Testing phase: training C-index: 0.7761, testing C-index: 0.7262.
 - For cox+LFSurv, Optimal training C-index: 0.712, optimal validation C-index: 0.7973. Testing phase: training C-index: 0.7563, testing C-index: 0.6893.
4. Check the running time for each part of the AutoSurv model, with CUDA: VAE(8-10 hours), LFSurv(0.5-1 h).

Issues:

1. Still waiting for tech help on how to run the python script on local space instead of cloud home.