GAMENet outperforms:

(my_app_venv) **vroom@deeplearning-1-vm**:**~/GAMENETv1.3/code**$ python predict.py

['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A02B', 'B05C', 'C09A', 'C07A', 'C10A', 'B01A', 'N02B', 'J01F', 'H03A', 'A02A', 'B02B', 'C03C', 'A10B', 'D11A', 'C03D', 'M05B', 'N02A', 'A11C', 'S01E']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'A02A', 'N02A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'A02A', 'C03C', 'N02A']
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['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'A02A', 'N02A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'A02A', 'C03C', 'A10B', 'N02A', 'A11C']
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['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'N02A']

['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A', 'N02B', 'J01F', 'N02A']
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['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A02B', 'B05C', 'C07A', 'C10A', 'A01A', 'B01A']
['A06A', 'A12C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A']
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A']
        DDI Rate: 0.0980, Jaccard: 0.2833, PRAUC: 0.5518, AVG_PRC: 0.5707, AVG_RECALL: 0.3710, AVG_F1: 0.4176

(my_app_venv) **vroom@deeplearning-1-vm**:**~/GAMENETv1.3/code**$ python predict_Retain.py

['A06A', 'B05C', 'N05A', 'C07A', 'C10A', 'J01M', 'A01A', 'N02B', 'J01F', 'N06D', 'A10A', 'R01A', 'C03C', 'D11A', 'N02A', 'G04C', 'N07B', 'A07E', 'M03B', 'N03A', 'C01B', 'J01E', 'N05B', 'D04A']
['A06A', 'A12C', 'A02B', 'B05C', 'C10A', 'N04B', 'A01A', 'B01A', 'N02B', 'R03A', 'N01A', 'H02A', 'C01C', 'A10A', 'D11A', 'S01E', 'C01B']
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A', 'N02B', 'J01F', 'R03A', 'N01A', 'N05C', 'D11A', 'C03D', 'N02A', 'S01E', 'J01D', 'M03B', 'C01B', 'J01G']
['A06A', 'A12C', 'A02B', 'B05C', 'N05A', 'C09A', 'C07A', 'C10A', 'B01A', 'N02B', 'R03A', 'C01C', 'A10A', 'R01A', 'A12B', 'A12A', 'C03C', 'N05C', 'A10B', 'C03D', 'S01E', 'G04C', 'J01D', 'N07B', 'M04A', 'H04A', 'A03F', 'R05C', 'J01X']
['A06A', 'B05C', 'C09A', 'C07A', 'C10A', 'J01M', 'N02B', 'J01F', 'H02A', 'C01C', 'B02B', 'C03C', 'N05C', 'A10B', 'D11A', 'C05A', 'C03D', 'M05B', 'N02A', 'A11C', 'S01E', 'A07E', 'N03A', 'A03F', 'R05C', 'J01X', 'C01B', 'J01E', 'D04A']
['A06A', 'A12C', 'B05C', 'H01C', 'C09A', 'N04B', 'A01A', 'B01A', 'N02B', 'J01F', 'N06D', 'R03A', 'N01A', 'H02A', 'A02A', 'R01A', 'A12B', 'J01C', 'A07A', 'A12A', 'N05C', 'D11A', 'C05A', 'C03D', 'N02A', 'A11C', 'S01E', 'J01D', 'A04A', 'A07E', 'D07A', 'M03B', 'H04A', 'A03F', 'A09A', 'J01X', 'J01G', 'L04A', 'N05B']

['A06A', 'A12C', 'A02B', 'B05C', 'N05A', 'C07A', 'C10A', 'J01M', 'N04B', 'B01A', 'N02B', 'A02A', 'R01A', 'A12B', 'A12A', 'C03C', 'N05C', 'A10B', 'N06A', 'C05A', 'N02A', 'S01E', 'G04C', 'A04A', 'N07B', 'A07E', 'D07A', 'M04A', 'N03A', 'H04A', 'A03F', 'C01B', 'J01G', 'B03B', 'L04A', 'N05B']
8 Skipped
['A06A', 'A12C', 'A02B', 'B05C', 'A01A', 'B01A', 'N02B', 'D11A', 'J01D', 'A03F', 'N05B', 'D04A']
['A12C', 'A02B', 'B05C', 'H01C', 'N05A', 'C09A', 'C10A', 'J01M', 'N04B', 'A01A', 'B01A', 'N02B', 'J01F', 'R03A', 'N01A', 'H02A', 'C01C', 'A02A', 'R01A', 'A12B', 'J01C', 'A07A', 'B02B', 'N05C', 'A10B', 'D11A', 'N06A', 'C05A', 'N02A', 'A11C', 'S01E', 'G04C', 'J01D', 'N07B', 'A07E', 'D07A', 'H04A', 'A03F', 'R05C', 'A09A', 'J01X', 'B05A', 'C01B', 'J01G', 'B03B', 'L04A', 'J01E', 'N05B', 'D04A']
11 Skipped
['A12C', 'B05C', 'C07A', 'C10A', 'J01M', 'A01A', 'B01A', 'N06D', 'H02A', 'C01C', 'A10A', 'H03A', 'A02A', 'C03C', 'N05C', 'C05A', 'C03D', 'N02A', 'A11C', 'G04C', 'M04A', 'C01A', 'N03A', 'A03F', 'R05C', 'A09A', 'B05A', 'J01G', 'J01E', 'D04A']
['A06A', 'A12C', 'A02B', 'B05C', 'H01C', 'C09A', 'J01M', 'N04B', 'A01A', 'B01A', 'J01F', 'R03A', 'N01A', 'A10A', 'H03A', 'J01C', 'B02B', 'D11A', 'C05A', 'C03D', 'N02A', 'S01E', 'J01D', 'A04A', 'N07B', 'C01A', 'M03B', 'H04A', 'A03F', 'R05C', 'J01X', 'C01B', 'J01G', 'L04A', 'J01E', 'N05B', 'D04A']

python predict_Leap.py

['A02B']
['A02B']
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['A02B', 'B05C', 'B01A']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
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['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A02B']

['A02B']
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['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A02B', 'B05C', 'B01A']
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['A06A', 'A12C', 'A02B']
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['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
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['A06A', 'A12C', 'A02B']
['A02B', 'B05C']
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['A02B', 'B05C', 'A01A', 'B01A', 'J01F']
['A06A', 'A12C', 'A02B']
['A02B']
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['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']
['A06A', 'A12C', 'A02B']