:		New		:		2024-04-23
:		Normal		:		
:				:		0%
:				:		0.00
:				:		0.00

12

二維訓練-12月資料作為訓練集

訓練集: 12月資料集隨機不重複取90%

測試集1: 8~10月資料集

測試集2: 12月資料集隨機不重複取的另外10%

第一份資料集
測試集1: 　RBC(405:455)　GOT(507:354)　Na(507:353)　PLT(485:375)　Pro(632:228)　Ca(483:377)　P(428:432)
測試集2: 　RBC(37:58)　GOT(70:25)　Na(51:44)　PLT(56:39)　Pro(50:45)　Ca(69:26)　P(47:48)

第二份資料集
測試集1: 　RBC(405:455)　GOT(507:354)　Na(507:353)　PLT(485:375)　Pro(632:228)　Ca(483:377)　P(428:432)
測試集2: 　RBC(33:62)　GOT(64:31)　Na(67:28)　PLT(63:32)　Pro(43:52)　Ca(74:21)　P(50:45)

第三份資料集
測試集1: 　RBC(405:455)　GOT(507:354)　Na(507:353)　PLT(485:375)　Pro(632:228)　Ca(483:377)　P(428:432)
測試集2: 　RBC(33:62)　GOT(62:33)　Na(63:32)　PLT(71:24)　Pro(40:55)　Ca(71:24)　P(53:42)

h1. GAF
第一份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	53.25%	58.95%	58.72%	53.72%	39.65%	60.23%	60.00%
	Precision	28.64%	84.18%	50.88%	79.79%	28.95%	73.08%	78.97%
	Recall	50.65%	60.94%	70.87%	56.33%	72.33%	62.47%	57.09%
	F1 Score	36.59%	70.70%	59.24%	66.04%	41.35%	67.36%	66.27%
測試集2	Accuracy	98.94%	100.00%	94.73%	96.84%	94.73%	92.63%	96.84%
	Precision	97.29%	100.00%	90.19%	94.64%	98.00%	95.65%	93.61%
	Recall	100.00%	100.00%	100.00%	100.00%	92.45%	94.28%	100.00%
	F1 Score	98.63%	100.00%	94.84%	97.24%	95.14%	94.96%	96.70%

第二份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	54.30%	59.18%	58.60%	52.67%	41.62%	59.18%	58.13%
	Precision	27.90%	85.96%	51.47%	75.87%	30.69%	71.84%	81.77%
	Recall	52.80%	60.83%	70.35%	55.92%	75.19%	61.74%	55.37%
	F1 Score	36.51%	71.25%	59.45%	64.39%	43.59%	66.41%	66.03%
測試集2	Accuracy	96.84%	100.00%	96.84%	96.84%	95.78%	93.68%	96.84%
	Precision	93.93%	100.00%	95.52%	96.82%	95.34%	94.59%	94.00%
	Recall	96.87%	100.00%	100.00%	98.38%	95.34%	97.22%	100.00%
	F1 Score	95.38%	100.00%	97.70%	97.59%	95.34%	95.89%	96.90%

第三份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	51.74%	57.79%	57.55%	53.83%	41.27%	60.46%	60.00%
	Precision	23.45%	84.58%	47.53%	78.14%	28.32%	74.32%	75.93%
	Recall	47.50%	60.02%	70.88%	56.56%	77.48%	62.43%	57.42%
	F1 Score	31.40%	70.22%	56.90%	65.62%	41.48%	67.86%	65.39%
測試集2	Accuracy	95.78%	100.00%	96.84%	100.00%	95.78%	94.73%	96.84%
	Precision	96.96%	100.00%	95.23%	100.00%	97.50%	97.18%	94.33%
	Recall	91.42%	100.00%	100.00%	100.00%	92.85%	95.83%	100.00%
	F1 Score	94.11%	100.00%	97.56%	100.00%	95.12%	96.50%	97.08%

h1. MTF

第一份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
	Accuracy	52.79%	60.00%	62.55%	52.44%	49.53%	59.18%	54.06%
	Precision	29.87%	90.11%	60.15%	68.45%	41.29%	76.19%	64.48%
	Recall	49.79%	60.80%	71.76%	56.46%	80.55%	60.92%	53.17%
測試集1	F1 Score	37.34%	72.61%	65.45%	61.88%	54.60%	67.70%	58.28%
	Accuracy	97.89%	94.73%	93.68%	98.94%	94.73%	94.73%	97.89%
	Precision	94.59%	97.14%	88.23%	98.21%	100.00%	100.00%	97.87%
	Recall	100.00%	95.77%	100.00%	100.00%	90.90%	93.24%	97.87%
測試集2	F1 Score	97.22%	96.45%	93.75%	99.09%	95.23%	96.50%	97.87%

第二份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
	Accuracy	53.83%	61.86%	63.83%	49.30%	51.97%	59.65%	55.11%
	Precision	32.34%	92.68%	63.51%	67.21%	44.93%	79.08%	66.35%
	Recall	51.57%	61.71%	71.87%	54.06%	81.37%	60.82%	53.99%
測試集1	F1 Score	39.75%	74.09%	67.43%	59.92%	57.90%	68.76%	59.53%
	Accuracy	95.78%	97.89%	94.73%	97.89%	93.68%	96.84%	97.89%
	Precision	93.93%	100.00%	92.53%	98.41%	97.67%	100.00%	96.00%
	Recall	93.93%	96.96%	100.00%	98.41%	89.36%	96.10%	100.00%
測試集2	F1 Score	93.93%	98.46%	96.12%	98.41%	93.33%	98.01%	97.95%

第三份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
	Accuracy	57.55%	58.60%	63.13%	52.44%	51.39%	58.83%	54.65%
	Precision	40.24%	90.51%	61.53%	71.13%	44.77%	78.46%	62.14%
	Recall	56.99%	59.79%	71.88%	56.18%	80.39%	60.25%	53.84%
測試集1	F1 Score	47.17%	72.01%	66.31%	62.78%	57.52%	68.16%	57.70%
	Accuracy	96.84%	98.94%	94.73%	98.94%	93.68%	94.73%	97.89%
	Precision	96.96%	98.38%	92.06%	98.59%	100.00%	100.00%	96.22%
	Recall	94.11%	100.00%	100.00%	100.00%	86.95%	93.42%	100.00%
測試集2	F1 Score	95.52%	99.18%	95.86%	99.29%	93.02%	96.59%	98.07%

h1. RP

第一份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	52.58%	56.27%	48.89%	48.78%	51.10%	59.53%	55.00%
	Precision	61.90%	82.60%	50.16%	51.92%	70.34%	63.76%	32.23%
	Recall	45.32%	59.20%	61.80%	65.94%	52.62%	64.03%	49.63%
	F1 Score	52.33%	68.97%	55.38%	58.10%	60.20%	63.90%	39.08%
測試集2	Accuracy	97.67%	96.84%	96.51%	96.51%	100.00%	92.63%	96.51%
	Precision	97.50%	97.14%	96.29%	96.15%	100.00%	95.65%	100.00%
	Recall	97.50%	98.55%	98.11%	98.03%	100.00%	94.28%	93.02%
	F1 Score	97.49%	97.84%	97.19%	97.08%	100.00%	94.96%	96.38%

第二份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	55.63%	55.34%	52.68%	48.05%	54.89%	58.72%	52.16%
	Precision	65.66%	78.85%	54.00%	52.38%	70.94%	65.01%	24.00%
	Recall	47.98%	59.02%	65.19%	64.88%	55.57%	62.80%	43.77%
	F1 Score	55.44%	67.51%	59.07%	57.97%	62.32%	63.88%	31.00%
測試集2	Accuracy	94.18%	98.94%	97.67%	97.67%	98.83%	94.73%	97.67%
	Precision	90.90%	98.43%	97.43%	97.50%	100.00%	95.94%	95.12%
	Recall	97.56%	100.00%	97.43%	97.50%	98.48%	97.26%	100.00%
	F1 Score	94.11%	99.21%	97.43%	97.49%	99.23%	96.59%	97.50%

第三份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	55.53%	55.46%	47.94%	48.78%	57.11%	60.11%	53.74%
	Precision	67.16%	81.62%	47.66%	53.00%	74.54%	66.25%	26.58%
	Recall	47.94%	58.74%	61.37%	65.52%	57.05%	64.00%	47.08%
	F1 Score	55.94%	68.32%	53.65%	58.60%	64.63%	65.10%	33.98%
測試集2	Accuracy	98.83%	98.94%	98.83%	98.83%	100.00%	94.73%	98.83%
	Precision	100.00%	98.38%	97.82%	98.11%	100.00%	97.18%	100.00%
	Recall	97.67%	100.00%	100.00%	100.00%	100.00%	95.83%	97.72%
	F1 Score	98.82%	99.18%	98.90%	99.04%	100.00%	96.50%	98.85%

clipboard-202404231745-hjxvd.png	69.6 KB	2024-04-23	Chifu Chung
clipboard-202404231746-stcau.png	90.8 KB	2024-04-23	Chifu Chung
clipboard-202404231746-c1eoj.png	90.1 KB	2024-04-23	Chifu Chung
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clipboard-202404231746-ld4td.png	91.5 KB	2024-04-23	Chifu Chung
clipboard-202404231746-nod6w.png	92.1 KB	2024-04-23	Chifu Chung
clipboard-202404231746-xbtij.png	90.1 KB	2024-04-23	Chifu Chung
clipboard-202404231746-uwsxd.png	90.8 KB	2024-04-23	Chifu Chung