

狀態:	New	開始日期:	2024-04-23
優先權:	Normal	完成日期:	
被分派者:	Chifu Chung	完成百分比:	0%
分類:		預估工時:	0:00 小時
版本:		耗用工時:	0:00 小時

概述

8~10月資料作為訓練集

二維訓練-8~10月資料作為訓練集

訓練集: 8~10月資料集隨機不重複取90%

測試集1: 8~10月資料集隨機不重複取的另外10%

測試集2: 12月資料集

第一份資料集

測試集1: RBC(40:46) GOT(55:31) Na(54:32) PLT(52:34) Pro(63:23) Ca(49:37) P(40:46)
 測試集2: RBC(399:550) GOT(624:325) Na(600:349) PLT(649:300) Pro(499:450) Ca(699:250) P(425:524)

第二份資料集

測試集1: RBC(44:42) GOT(46:40) Na(39:47) PLT(40:46) Pro(65:21) Ca(42:44) P(41:45)
 測試集2: RBC(399:550) GOT(624:325) Na(600:349) PLT(649:300) Pro(499:450) Ca(699:250) P(425:524)

第三份資料集

測試集1: RBC(42:44) GOT(54:32) Na(46:40) PLT(53:33) Pro(64:22) Ca(45:41) P(43:43)
 測試集2: RBC(399:550) GOT(624:325) Na(600:349) PLT(649:300) Pro(499:450) Ca(699:250) P(425:524)

h1. GAF

第一份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	97.67%	97.67%	96.51%	98.83	100.00%	94.18%	93.02%
	Precision	97.50%	100.00%	96.29%	98.07%	100.00%	91.83%	92.50%
	Recall	97.50%	96.49%	98.11%	100.00%	100.00%	97.82%	92.50%
	F1 Score	97.49%	98.21%	97.19%	99.02%	100.00%	94.73%	92.50%
測試集2	Accuracy	59.00%	53.84%	52.26%	58.16%	57.32%	65.75%	58.48%
	Precision	58.64%	61.53%	39.83%	69.95%	78.55%	72.24%	43.76%
	Recall	51.09%	65.97%	72.20%	69.20%	56.81%	79.40%	54.54%
	F1 Score	54.60%	63.68%	51.34%	69.57%	65.93%	75.65%	48.56%

第二份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	94.18%	94.18%	95.34%	98.83%	98.83	94.18%	90.69%
	Precision	95.45%	93.61%	97.43%	97.50%	100.00%	92.85%	90.24%
	Recall	93.33%	95.65%	92.68%	100.00%	98.48%	95.12%	90.24%
	F1 Score	94.38%	94.62%	94.99%	98.73%	99.23%	93.97%	90.24%
測試集2	Accuracy	58.58%	53.00%	49.94%	57.53%	57.21%	71.44%	54.26%
	Precision	64.16%	59.93%	38.00%	68.41%	78.55%	80.97%	39.52%
	Recall	50.59%	65.61%	68.88%	69.15%	56.72%	80.39%	48.69%
	F1 Score	56.57%	62.64%	48.97%	68.78%	65.88%	80.68%	43.63%

第三份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	98.83%	97.67%	97.67%	98.83%	100.00%	98.83%	97.67%
	Precision	97.61%	96.29%	100.00%	98.11%	100.00%	100.00%	100.00%
	Recall	100.00%	100.00%	95.83%	100.00%	100.00%	97.82%	95.55%
	F1 Score	98.79%	98.11%	97.87%	99.04%	100.00%	98.90%	97.72%
測試集2	Accuracy	61.32%	56.48%	52.26%	57.74%	55.95%	66.59%	56.48%
	Precision	59.14%	62.50%	44.83%	68.56%	78.55%	74.39%	42.11%
	Recall	53.63%	68.54%	68.79%	69.31%	55.76%	79.02%	51.73%
	F1 Score	56.25%	65.38%	54.28%	68.93%	65.22%	76.63%	46.43%

h1. MTF

第一份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	97.67%	94.18%	96.51%	95.34	100.00%	91.86%	95.34%
	Precision	97.50%	92.72%	94.44%	96.15%	100.00%	87.75%	100.00%
	Recall	97.50%	98.07%	100.00%	96.15%	100.00%	97.72%	90.90%
	F1 Score	97.49%	95.32%	97.14%	96.15%	100.00%	92.47%	95.23%
測試集2	Accuracy	51.52%	56.26%	66.70%	55.21%	58.37%	59.95%	50.57%
	Precision	59.39%	68.91%	71.66%	66.56%	89.37%	65.23%	50.58%
	Recall	44.29%	66.05%	74.65%	67.50%	56.59%	76.89%	45.35%
	F1 Score	50.74%	67.45%	73.12%	67.02%	69.30%	70.58%	47.83%

第二份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	90.69%	95.34%	96.51%	88.37%	96.51%	90.69%	90.69%
	Precision	93.18%	97.87%	97.43%	95.00%	98.46%	90.47%	90.24%
	Recall	89.13%	93.87%	95.00%	82.60%	96.96%	90.47%	90.24%
	F1 Score	91.11%	95.83%	96.20%	88.37%	97.70%	90.47%	90.24%
測試集2	Accuracy	51.31%	57.53%	70.81%	54.26%	59.00%	58.16%	46.25%
	Precision	57.89%	66.82%	75.16%	61.63%	89.37%	57.93%	45.88%
	Recall	44.00%	68.02%	77.89%	68.37%	57.03%	79.72%	41.05%
	F1 Score	50.00%	67.42%	76.50%	64.82%	69.63%	67.10%	43.33%

第三份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	95.34%	96.51%	98.83%	97.67%	97.67%	94.18%	98.83%
	Precision	95.23%	98.14%	97.82%	98.11%	98.43%	93.33%	100.00%
	Recall	95.23%	96.36%	100.00%	98.11%	98.43%	95.45%	97.72%
	F1 Score	95.23%	97.24%	98.90%	98.11%	98.43%	94.38%	98.85%
測試集2	Accuracy	46.68%	60.27%	68.07%	54.58%	56.48%	56.26%	53.31%
	Precision	54.63%	70.19%	71.66%	59.78%	83.96%	59.65%	49.88%
	Recall	40.14%	69.63%	76.37%	69.53%	55.71%	75.81%	47.96%
	F1 Score	46.28%	69.91%	73.94%	64.29%	66.98%	66.77%	48.90%

h1. RP

第一份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	97.67%	97.67%	96.51%	96.51	100.00%	98.83%	96.51%
	Precision	97.50%	100.00%	96.29%	96.15%	100.00%	97.95%	100.00%
	Recall	97.50%	96.49%	98.11%	98.03%	100.00%	100.00%	93.02%
	F1 Score	97.49%	98.21%	97.19%	97.08%	100.00%	98.96%	96.38%
測試集2	Accuracy	52.58%	43.94%	48.89%	48.78%	51.10%	56.37%	55.00%
	Precision	61.90%	52.40%	50.16%	51.92%	70.34%	63.23%	32.23%
	Recall	45.32%	58.18%	61.80%	65.94%	52.62%	73.78%	49.63%
	F1 Score	52.33%	55.14%	55.38%	58.10%	60.20%	68.10%	39.08%

第二份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	94.18%	94.18%	97.67%	97.67%	98.83%	95.34%	97.67%
	Precision	90.90%	95.74%	97.43%	97.50%	100.00%	92.85%	95.12%
	Recall	97.56%	93.75%	97.43%	97.50%	98.48%	97.50%	100.00%
	F1 Score	94.11%	94.73%	97.43%	97.49%	99.23%	95.12%	97.50%
測試集2	Accuracy	55.63%	47.94%	52.68%	48.05%	54.89%	58.69%	52.16%
	Precision	65.66%	60.09%	54.00%	52.38%	70.94%	66.09%	24.00%
	Recall	47.98%	60.48%	65.19%	64.88%	55.57%	74.87%	43.77%
	F1 Score	55.44%	60.28%	59.07%	57.97%	62.32%	70.21%	31.00%

第三份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	98.83%	98.83%	98.83%	98.83%	100.00%	100.00%	98.83%
	Precision	100.00%	98.14%	97.82%	98.11%	100.00%	100.00%	100.00%
	Recall	97.67%	100.00%	100.00%	100.00%	100.00%	100.00%	97.72%
	F1 Score	98.82%	99.06%	98.90%	99.04%	100.00%	100.00%	98.85%
測試集2	Accuracy	55.53%	47.73%	47.94%	48.78%	57.11%	57.74%	53.74%
	Precision	67.16%	58.01%	47.66%	53.00%	74.54%	66.23%	26.58%
	Recall	47.94%	60.73%	61.37%	65.52%	57.05%	73.72%	47.08%
	F1 Score	55.94%	59.34%	53.65%	58.60%	64.63%	69.78%	33.98%

檔案

檔案名稱	大小	日期	上傳者
clipboard-202404231744-oh0e3.png	68.5 KB	2024-04-23	Chifu Chung
clipboard-202404231744-6d9yg.png	93.3 KB	2024-04-23	Chifu Chung
clipboard-202404231744-mbicw.png	87.5 KB	2024-04-23	Chifu Chung
clipboard-202404231744-rn31s.png	92.3 KB	2024-04-23	Chifu Chung
clipboard-202404231744-gedif.png	92.9 KB	2024-04-23	Chifu Chung
clipboard-202404231744-czbkc.png	92.6 KB	2024-04-23	Chifu Chung
clipboard-202404231744-3p7zx.png	91.2 KB	2024-04-23	Chifu Chung
clipboard-202404231744-hrmhy.png	93.3 KB	2024-04-23	Chifu Chung
clipboard-202404231744-dxtio.png	90.2 KB	2024-04-23	Chifu Chung
clipboard-202404231745-zylmc.png	89.4 KB	2024-04-23	Chifu Chung