

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

## 1D-CNN-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)

## 第一份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	98.83%	98.83%	98.83%	100.00%	100.00%	100.00%	97.67%
	Precision	97.50%	98.18%	98.14%	100.00%	100.00%	100.00%	100.00%
	Recall	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	95.23%
	F1 Score	98.73%	99.08%	99.06%	100.00%	100.00%	100.00%	97.56%
測試集2	Accuracy	55.84%	63.22%	59.11%	58.48%	62.17%	67.65%	53.84%
	Precision	68.67%	62.01%	61.16%	75.50%	82.36%	64.66%	27.05%
	Recall	48.23%	77.55%	70.30%	67.58%	60.26%	88.28%	47.32%
	F1 Score	56.67%	68.92%	65.41%	71.32%	69.60%	74.64%	34.43%

## 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%	91.86%	95.34%	96.51%	98.83	94.18%	84.88%
	Precision	86.36%	95.74%	97.43%	92.50%	100.00%	90.47%	100.00%
	Recall	95.00%	90.00%	92.68%	100.00%	98.48%	97.43%	75.92%
	F1 Score	90.47%	92.78%	94.99%	96.10%	99.23%	93.82%	86.31%
測試集2	Accuracy	55.63%	52.58%	55.00%	57.32%	59.32%	48.26%	60.69%
	Precision	74.93%	48.39%	45.83%	68.10%	76.95%	40.05%	50.35%
	Recall	48.22%	70.23%	72.94%	69.06%	58.62%	79.54%	56.91%
	F1 Score	58.68%	57.30%	56.29%	68.58%	66.55%	53.28%	53.43%

## 第三份資料集

8-10月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Precision	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Recall	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	F1 Score	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
測試集2	Accuracy	54.16%	55.32%	56.37%	64.27%	62.80%	50.15%	51.31%
	Precision	73.68%	38.46%	59.33%	79.96%	87.17%	41.34%	24.94%
	Recall	47.11%	85.71%	67.68%	71.29%	60.08%	82.10%	42.57%
	F1 Score	57.47%	53.09%	63.23%	75.38%	71.13%	54.99%	31.45%

# 1D-CNN-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(510:138) GOT(595:53) Na(618:30) PLT(622:26) Pro(533:115) Ca(565:83) P(648:0)

## 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)

## 第一份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	49.53%	54.65%	49.76%	47.90%	44.76%	56.16%	51.86%
	Precision	24.93%	62.84%	54.43%	63.91%	43.67%	72.87%	59.11%
	Recall	43.72%	61.15%	57.86%	53.17%	69.87%	58.86%	51.42%
	F1 Score	31.76%	61.98%	56.09%	58.05%	53.74%	65.12%	55.00%
測試集2	Accuracy	100.00%	100.00%	100.00%	100.00%	100.00%	96.84%	98.94%
	Precision	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	97.87%
	Recall	100.00%	100.00%	100.00%	100.00%	100.00%	95.83%	100.00%
	F1 Score	100.00%	100.00%	100.00%	100.00%	100.00%	97.87%	98.92%

## 第二份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	47.32%	56.39%	51.74%	52.09%	43.95%	60.58%	50.69%
	Precision	22.66%	63.63%	70.21%	66.59%	34.65%	73.70%	61.91%
	Recall	40.90%	62.76%	57.41%	56.36%	76.04%	62.67%	50.38%
	F1 Score	32.28%	63.19%	63.17%	61.05%	47.60%	67.74%	55.55%
測試集2	Accuracy	89.47%	92.63%	92.63%	91.57%	96.84%	97.89%	94.73%
	Precision	78.78%	100.00%	95.52%	100.00%	93.02%	97.29%	92.00%
	Recall	89.65%	90.14%	94.11%	88.73%	100.00%	100.00%	97.87%
	F1 Score	83.87%	94.81%	94.81%	94.02%	96.38%	98.63%	94.84%

## 第三份資料集

12月訓練		RBC	GOT	Na	PLT	Pro	Ca	P
測試集1	Accuracy	55.93%	58.72%	52.44%	55.00%	45.23%	65.34%	51.51%
	Precision	38.51%	67.98%	75.54%	72.78%	32.43%	83.85%	64.01%
	Recall	54.54%	64.05%	57.33%	58.05%	82.32%	64.80%	51.02%
	F1 Score	45.15%	65.96%	65.19%	64.59%	46.53%	73.10%	56.78%
測試集2	Accuracy	100.00%	98.94%	100.00%	100.00%	89.47%	100.00%	100.00%
	Precision	100.00%	98.57%	100.00%	100.00%	80.00%	100.00%	100.00%
	Recall	100.00%	100.00%	100.00%	100.00%	94.11%	100.00%	100.00%
	F1 Score	100.00%	99.28%	100.00%	100.00%	86.48%	100.00%	100.00%

### 檔案

clipboard-202404231742-pvfon.png	69.5 KB	2024-04-23	Chifu Chung
clipboard-202404231742-pn6hk.png	90.3 KB	2024-04-23	Chifu Chung
clipboard-202404231742-e1o1a.png	92.6 KB	2024-04-23	Chifu Chung
clipboard-202404231742-0ygep.png	81 KB	2024-04-23	Chifu Chung
clipboard-202404231742-30tla.png	68.7 KB	2024-04-23	Chifu Chung
clipboard-202404231742-ctlzo.png	85.9 KB	2024-04-23	Chifu Chung
clipboard-202404231742-xlkbj.png	91.9 KB	2024-04-23	Chifu Chung
clipboard-202404231742-7wtjh.png	87.1 KB	2024-04-23	Chifu Chung