

AI模型 - Bug #7

性別分群訓練

2023-08-25 07:16 - Chifu Chung

| | | | |
|-------------------|-------------|--------|------------|
| 狀態: | Closed | 開始日期: | 2023-06-20 |
| 優先權: | Normal | 完成日期: | 2023-06-27 |
| 被分派者: | Chifu Chung | 完成百分比: | 100% |
| 分類: | | 預估工時: | 0:00 小時 |
| 版本: | | 耗用工時: | 0:00 小時 |
| 概述 | | | |
| 將Data以男女分群後進行模型訓練 | | | |

歷史

#1 - 2023-08-25 07:18 - Chifu Chung

- 完成日期 從 2023-06-27 變更為 2023-08-25

#2 - 2023-08-25 07:18 - Chifu Chung

- 狀態 從 New 變更為 Resolved

#3 - 2023-08-25 07:19 - Chifu Chung

- 狀態 從 Resolved 變更為 Closed

#4 - 2023-08-25 07:30 - Chifu Chung

- 狀態 從 Closed 變更為 Resolved

#5 - 2023-08-25 07:34 - Chifu Chung

- 檔案 clipboard-202308251532-mmqr8.png 已新增

- 檔案 clipboard-202308251532-uhwos.png 已新增

- 檔案 clipboard-202308251532-rw92i.png 已新增

- 檔案 clipboard-202308251533-ftesc.png 已新增

- 檔案 clipboard-202308251533-bfgqp.png 已新增

- 檔案 clipboard-202308251534-yothg.png 已新增

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%

測試集3: 3月IRB資料集(雙和醫院)

男性-12月

| 12月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 54.02% | 46.79% | 61.41% | 60.42% | 62.56% | 64.86% | 68.63% |
| | Precision | 58.22% | 75.45% | 63.88% | 73.43% | 73.84% | 84.31% | 67.46% |
| | Recall | 53.63% | 50.60% | 74.71% | 61.80% | 75.50% | 65.57% | 60.93% |
| | F1 Score | 55.83% | 60.58% | 68.87% | 67.12% | 74.66% | 73.77% | 64.03% |
| 測試集2 | Accuracy | 100.00% | 98.38% | 93.54% | 98.38% | 100.00% | 100.00% | 100.00% |
| | Precision | 100.00% | 97.56% | 91.48% | 97.29% | 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% | 98.76% | 95.55% | 98.63% | 100.00% | 100.00% | 100.00% |
| 測試集3 | Accuracy | 25.15% | 56.48% | 33.17% | 87.96% | 47.68% | 66.51% | 67.28% |
| | Precision | 4.90% | 52.60% | 29.93% | 91.49% | 52.02% | 70.97% | 67.28% |
| | Recall | 100.00% | 100.00% | 100.00% | 95.79% | 88.18% | 88.32% | 100.00% |
| | F1 Score | 9.34% | 68.94% | 46.07% | 93.59% | 56.92% | 78.70% | 80.44% |

女性-12月

| 12月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|-------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 58.16% | 44.62% | 68.52% | 53.78% | 60.15% | 51.39% | 54.58% |
| | Precision | 24.75% | 63.06% | 54.00% | 90.00% | 60.45% | 73.01% | 63.63% |
| | Recall | 46.29% | 60.00% | 62.06% | 57.20% | 78.10% | 51.11% | 69.13% |
| | F1 Score | 32.25% | 61.49% | 57.75% | 69.94% | 68.15% | 60.13% | 66.27% |
| 測試集2 | 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3 | Accuracy | 43.67% | 91.82% | 52.62% | 96.14% | 56.63% | 71.75% | 40.43% |
| | Precision | 30.98% | 94.95% | 50.32% | 100.00% | 64.16% | 82.30% | 40.43% |
| | Recall | 92.39% | 96.08% | 100.00% | 96.14% | 79.16% | 84.85% | 100.00% |
| | F1 Score | 46.40% | 95.51% | 66.95% | 98.03% | 70.88% | 83.55% | 57.58% |

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

測試集3: 3月資料集(雙和醫院)

男性-8~10月

| 8~10月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 50.48% | 52.24% | 58.17% | 53.36% | 55.28% | 64.90% | 77.56% |
| | Precision | 36.63% | 44.76% | 58.59% | 60.00% | 88.51% | 66.44% | 38.05% |
| | Recall | 52.37% | 80.07% | 78.46% | 61.47% | 49.07% | 81.47% | 100.00% |
| | F1 Score | 39.29% | 57.42% | 67.08% | 60.72% | 63.14% | 73.19% | 55.12% |
| 測試集2 | Accuracy | 100.00% | 98.36% | 96.72% | 98.36% | 100.00% | 98.36% | 100.00% |
| | Precision | 100.00% | 96.87% | 100.00% | 96.77% | 100.00% | 96.29% | 100.00% |
| | Recall | 100.00% | 100.00% | 95.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | F1 Score | 100.00% | 98.41% | 97.43% | 98.36% | 100.00% | 98.11% | 100.00% |
| 測試集3 | Accuracy | 55.40% | 75.30% | 53.39% | 65.43% | 70.06% | 75.00% | 36.88% |
| | Precision | 59.80% | 76.97% | 51.61% | 68.05% | 79.54% | 80.70% | 36.88% |
| | Recall | 78.40% | 95.21% | 99.06% | 94.43% | 83.30% | 89.58% | 100.00% |
| | F1 Score | 67.85% | 85.13% | 67.87% | 79.10% | 81.38% | 84.91% | 53.88% |

女性-8~10月

| 8~10月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 76.61% | 46.76% | 58.76% | 66.76% | 61.84% | 57.53% | 65.53% |
| | Precision | 72.00% | 59.34% | 27.00% | 78.00% | 76.00% | 72.00% | 74.37% |
| | Recall | 68.70% | 59.62% | 52.11% | 78.62% | 70.95% | 68.35% | 70.81% |
| | F1 Score | 70.31% | 59.48% | 35.57% | 78.31% | 73.39% | 70.12% | 72.54% |
| 測試集2 | 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3 | Accuracy | 33.79% | 74.38% | 29.62% | 52.31% | 52.93% | 37.19% | 72.68% |
| | Precision | 22.54% | 81.00% | 26.21% | 50.40% | 58.91% | 32.92% | 72.68% |
| | Recall | 77.18% | 90.09% | 100.00% | 100.00% | 78.50% | 86.91% | 100.00% |
| | F1 Score | 34.90% | 85.30% | 41.53% | 67.02% | 67.30% | 47.75% | 84.18% |

訓練集: 8~12月資料集隨機不重複取90%

測試集1: 8~12月資料集隨機不重複取的另外10%

測試集2: 8~12月資料集

測試集3: 3月資料集(雙和醫院)

男性-8~12月

| 8~12月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 99.83% | 100.00% | 99.83% | 99.50% | 100.00% | 99.83% | 100.00% |
| | Precision | 99.67% | 100.00% | 100.00% | 99.40% | 100.00% | 99.71% | 100.00% |
| | Recall | 100.00% | 100.00% | 99.75% | 99.70% | 100.00% | 100.00% | 100.00% |
| | F1 Score | 99.83% | 100.00% | 99.87% | 99.55% | 100.00% | 99.85% | 100.00% |
| 測試集2 | Accuracy | 100.00% | 98.36% | 100.00% | 98.36% | 100.00% | 96.72% | 100.00% |
| | Precision | 100.00% | 96.87% | 100.00% | 96.77% | 100.00% | 92.59% | 100.00% |
| | Recall | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | F1 Score | 100.00% | 98.41% | 100.00% | 98.36% | 100.00% | 96.15% | 100.00% |
| 測試集3 | Accuracy | 58.02% | 62.65% | 76.69% | 75.00% | 64.50% | 77.46% | 45.67% |
| | Precision | 67.05% | 63.19% | 75.72% | 78.00% | 72.04% | 83.53% | 45.67% |
| | Recall | 76.68% | 94.23% | 99.78% | 95.10% | 82.58% | 89.90% | 100.00% |
| | F1 Score | 71.54% | 75.65% | 86.10% | 85.71% | 76.95% | 86.60% | 62.71% |

女性-8~12月

| 8~12月訓練 | | RBC | GOT | Na | PLT | Pro | Ca | P |
|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 測試集1 | Accuracy | 100.00% | 94.42% | 100.00% | 99.20% | 100.00% | 100.00% | 98.40% |
| | Precision | 100.00% | 92.04% | 100.00% | 98.66% | 100.00% | 100.00% | 100.00% |
| | Recall | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 97.77% |
| | F1 Score | 100.00% | 95.85% | 100.00% | 99.32% | 100.00% | 100.00% | 98.87% |
| 測試集2 | 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3 | Accuracy | 49.69% | 87.65% | 58.33% | 66.20% | 54.62% | 63.58% | 68.98% |
| | Precision | 39.60% | 90.42% | 56.31% | 68.86% | 61.72% | 67.61% | 68.98% |
| | Recall | 91.81% | 95.90% | 100.00% | 94.49% | 78.52% | 87.81% | 100.00% |
| | F1 Score | 55.34% | 93.07% | 72.04% | 79.66% | 69.11% | 76.40% | 81.64% |

#6 - 2023-08-28 09:10 - Chifu Chung

- 完成日期 從 2023-08-25 變更為 2023-06-27

#7 - 2023-08-28 09:31 - Chifu Chung

- 狀態 從 Resolved 變更為 Closed

檔案

clipboard-202308251532-mmqr8.png

58.4 KB

2023-08-25

Chifu Chung

| | | | |
|----------------------------------|---------|------------|-------------|
| clipboard-202308251532-uhwos.png | 56.6 KB | 2023-08-25 | Chifu Chung |
| clipboard-202308251532-rw92i.png | 60.6 KB | 2023-08-25 | Chifu Chung |
| clipboard-202308251533-ftesc.png | 55.9 KB | 2023-08-25 | Chifu Chung |
| clipboard-202308251533-bfgqp.png | 58.2 KB | 2023-08-25 | Chifu Chung |
| clipboard-202308251534-yothg.png | 54.4 KB | 2023-08-25 | Chifu Chung |