# 2022.3.29

特征选择：无, 随机生成结果

方法选择：无, 随机生成结果

F1-score: 0.495618

# 2022.4.1

特征选择：特征选择方法1

方法选择：解决策略1

F1-score: 0.593073

# 2022.4.2

特征选择：特征选择方法1. num\_of\_feature=20

Features: 33个

方法选择：解决策略4

初始

F1-score: 0.63662

# 2022.4.3

特征选择：特征选择方法2. num\_of\_feature=20

Features: ['battery\_total\_Min', 'tenure', 'memory\_total\_Max', 'manufacturer', 'number\_upgrades', 'voice\_minutes', 'battery\_available\_Max', 'battery\_available\_Avg', 'total\_redemptions', 'total\_kb', 'SuspensionsDay\_Sum', 'last\_plan\_name\_coded', 'hotspot\_kb', 'total\_quantity', 'battery\_total\_Max', 'total\_sms', 'memory\_total\_Avg', 'memory\_available\_Max', 'battery\_total\_Avg', 'memory\_treshold\_Max', 'memory\_total\_Min', 'battery\_available\_Min', 'memory\_available\_Avg', 'memory\_available\_Min']

24个

方法选择：解决策略4

# 2022.4.4

# 估算训练集真实的分布

特征选择：

Features: ['total\_quantity', 'memory\_treshold\_Min', 'battery\_available\_Avg', 'bluetooth\_on', 'manufacturer', 'battery\_available\_Max', 'NotCompleted', 'tenure', 'total\_kb', 'battery\_total\_Max', 'memory\_treshold\_Avg', 'memory\_available\_Max', 'memory\_treshold\_Max', 'battery\_available\_Min', 'data\_roaming\_false', 'memory\_total\_Avg', 'memory\_available\_Min', 'memory\_total\_Min', 'battery\_total\_Min', 'memory\_total\_Max', 'SuspensionsDay\_Sum', 'memory\_available\_Avg', 'battery\_total\_Avg', 'voice\_minutes', 'data\_roaming\_true', 'total\_sms', 'hotspot\_kb', 'bluetooth\_off']

Number of Features 28

方法选择：解决策略4

# 固定featurethreshold=FeatureThresholdList[14]//0.75分位

FeatureThreshold 401.5242

1.

init\_num = 5000 # solid negative

2022-04-04\_v1.csv

Number of one in train 86002

Number of zero in train 12310

Number of one in eval 17410

Number of zero in eval 2421

2.

init\_num = 10000 # solid negative

2022-04-04\_v2.csv

Number of one in train 77864

Number of zero in train 20448

Number of one in eval 15918

Number of zero in eval 3913

3.

init\_num = 15000 # solid negative

2022-04-04\_v3.csv

Number of one in train 75839

Number of zero in train 22473

Number of one in eval 11970

Number of zero in eval 7861

4.

init\_num = 20000 # solid negative

2022-04-04\_v4.csv

Number of one in train 70024

Number of zero in train 28288

Number of one in eval 13683

Number of zero in eval 6148

5.

init\_num = 25000

Number of one in train 62811

Number of zero in train 35501

Number of one in eval 11328

Number of zero in eval 8503

6.

**init\_num = 30000**

Number of one in train 65293

Number of zero in train 33019

Number of one in eval 11053

Number of zero in eval 8778

**F1\_score best: 2022-04-04\_v1 0.638498**

# 2022.4.5

# 固定init\_num = 5000

# 更高的**Threshold（更少的Feature）会不会使F1score更好（得到更真实的训练集label）**

**## 调整feature Threshold**

**1.** **FeatureThreshold = FeatureThresholdList[15] # 0.80**

**2022-04-05\_v1.csv**

Features: ['memory\_treshold\_Max', 'battery\_total\_Avg', 'memory\_total\_Min', 'battery\_total\_Max', 'total\_sms', 'battery\_available\_Avg', 'memory\_available\_Avg', 'memory\_available\_Max', 'memory\_total\_Max', 'voice\_minutes', 'total\_kb', 'battery\_available\_Max', 'total\_quantity', 'memory\_treshold\_Avg', 'SuspensionsDay\_Sum', 'memory\_total\_Avg', 'battery\_total\_Min', 'battery\_available\_Min', 'memory\_available\_Min', 'tenure', 'memory\_treshold\_Min', 'hotspot\_kb']

Number of Features 22

Number of one in train 90836

Number of zero in train 7476

Number of one in eval 17828

Number of zero in eval 2003

**2.** **FeatureThreshold = FeatureThresholdList[16] # 0.85**

**2022-04-05\_v2.csv**

Features: ['battery\_available\_Min', 'memory\_total\_Avg', 'tenure', 'battery\_total\_Min', 'memory\_available\_Avg', 'memory\_total\_Max', 'battery\_available\_Avg', 'memory\_available\_Max', 'hotspot\_kb', 'total\_quantity', 'battery\_available\_Max', 'battery\_total\_Avg', 'total\_kb', 'total\_sms', 'memory\_total\_Min', 'voice\_minutes', 'battery\_total\_Max']

Number of Features 17

Number of one in train 91668

Number of zero in train 6644

Number of one in eval 17659

Number of zero in eval 2172

**3.** FeatureThreshold = FeatureThresholdList[15] # 0.85

**2022-04-05\_v3.csv**

**init\_num = 7500**

Number of one in train 89827

Number of zero in train 8485

Number of one in eval 17534

Number of zero in eval 2297

## 以下实验

# # 固定featurethreshold=FeatureThresholdList[14]//0.75分位

## 固定init\_num = 5000

**4.2022-04-05\_model1.csv**

**5.2022-04-05\_model2.csv**

**6.2022-04-05\_model3.csv**

**7.2022-04-05\_model4.csv**

**8.2022-04-05\_model5.csv**

**9.2022-04-05\_model6.csv**

# 2022.4.6

# 使用**SolidNegative1\_TwoStepMethod(score\_sampleBased).py**

# # 固定featurethreshold=FeatureThresholdList[14]//0.75分位

# 调整init\_score\_samples初始化不同大小label为0的数据

0.

2022-04-06\_v0.csv

init\_score\_samples = quantile\_df[0]

trainset\_with\_label\_zero (4909, 30)

Iterative 28 times

Number of one in train 92061

Number of zero in train 6328

Number of one in eval 18209

Number of zero in eval 1640

**0.687516**

1

2022-04-06\_v1.csv

init\_score\_samples = quantile\_df[1]

init\_score\_samples: -0.4741648684378971

trainset\_with\_label\_zero (7363, 30)

Iterative 37

Number of one in train 90362

Number of zero in train 8027

Number of one in eval 17833

Number of zero in eval 2016

**0.689122**

2.

2022-04-06\_v2.csv

init\_score\_samples = quantile\_df[2]

init\_score\_samples: -0.4357340686839713

trainset\_with\_label\_zero (9817, 30)

Iterative 29

Number of one in train 69778

Number of zero in train 28611

Number of one in eval 16899

Number of zero in eval 2950

**0.705698**

3.

2022-04-06\_v3.csv

init\_score\_samples = quantile\_df[3]

trainset\_with\_label\_zero (12271, 30)

Iterative 10

Number of one in train 84270

Number of zero in train 14119

Number of one in eval 16713

Number of zero in eval 3136

**0.695662**

4.

2022-04-06\_v4.csv

init\_score\_samples = quantile\_df[4]

init\_score\_samples: -0.383744958845647

trainset\_with\_label\_zero (14725, 30)

Iterative 6

Number of one in train 82717

Number of zero in train 15672

Number of one in eval 16906

Number of zero in eval 2943

**0.704169**

5.

2022-04-06\_v5.csv

init\_score\_samples = quantile\_df[5]

init\_score\_samples: -0.35089269002407664

trainset\_with\_label\_zero (19633, 30)

Number of one in train 65565

Number of zero in train 32824

Number of one in eval 13184

Number of zero in eval 6665

**0.730586**

6.

2022-04-06\_v6.csv

init\_score\_samples = quantile\_df[6]

init\_score\_samples: -0.34167647310373805

trainset\_with\_label\_zero (24541, 30)

Iterative 64

Number of one in train 60085

Number of zero in train 38304

Number of one in eval 14811

Number of zero in eval 5038

**0.73688**

7.

2022-04-06\_v7.csv

init\_score\_samples = quantile\_df[7]

init\_score\_samples: -0.32448376589523104

trainset\_with\_label\_zero (36811, 30)

Number of one in train 54883

Number of zero in train 43506

Number of one in eval 12545

Number of zero in eval 7304

**F1 0.765517**

# 2022.4.7

# 使用**SolidNegative1\_TwoStepMethod(score\_sampleBased).py**

# # 固定featurethreshold=FeatureThresholdList[14]//0.75分位

# 调整init\_score\_samples初始化不同大小label为0的数据

0.

2022-04-07\_v0.csv

init\_score\_samples = quantile\_df[8] # 0.8

init\_score\_samples: -0.3229153713165517

trainset\_with\_label\_zero (39264, 30)

Number of one in train 55785

Number of zero in train 42604

Number of one in eval 11746

Number of zero in eval 8103

**0.74801**

1.

2022-04-07\_v1.csv

init\_score\_samples = quantile\_df[9]

init\_score\_samples: -0.32380935714170356

trainset\_with\_label\_zero (41719, 30)

Number of one in train 50682

Number of zero in train 47707

Number of one in eval 12093

Number of zero in eval 7756

**0.765518**

# FeatureThreshold = FeatureThresholdList[16]

# 2-4是SolidNegative1\_TwoStepMethod(score\_sampleBased\_SVMiter\_IFfindsolid)

2.

2022-04-07\_v2.csv

init\_score\_samples = quantile\_df[7]

init\_score\_samples: -0.36428061679593615

trainset\_with\_label\_zero (36811, 28)

Number of one in train 58148

Number of zero in train 40241

Number of one in eval 5649

Number of zero in eval 14200

日历

描述已自动生成

**0.727812**

**3.**

**2022-04-07\_v3.csv**

init\_score\_samples = quantile\_df[1]

init\_score\_samples: -0.506531203055561

trainset\_with\_label\_zero (7363, 28)

Number of one in train 70755

Number of zero in train 27634

Number of one in eval 8194

Number of zero in eval 11655

日历

描述已自动生成

***0.906645***

4.

2022-04-07\_v4.csv

init\_score\_samples = quantile\_df[2]

init\_score\_samples: -0.4827595618263261

trainset\_with\_label\_zero (9817, 28)

Number of one in train 69571

Number of zero in train 28818

Number of one in eval 7776

Number of zero in eval 12073

日历

描述已自动生成

**0.880626**

# 5-9是randomforest based

5.

2022-04-07\_v5.csv

init\_score\_samples = quantile\_df[1]

init\_score\_samples: -0.4984900563146844

trainset\_with\_label\_zero (7363, 28)

Number of one in train 88462

Number of zero in train 9927

Number of one in eval 14029

Number of zero in eval 5820

6.

2022-04-07\_v6.csv

init\_score\_samples = quantile\_df[2]

init\_score\_samples: -0.4865831003459168

trainset\_with\_label\_zero (9817, 28)

Number of one in train 87405

Number of zero in train 10984

Number of one in eval 14336

Number of zero in eval 5513

手机屏幕截图

描述已自动生成

7.

2022-04-07\_v7.csv

init\_score\_samples = quantile\_df[3]

Number of one in train 85943

Number of zero in train 12446

Number of one in eval 14226

Number of zero in eval 5623

手机屏幕截图

描述已自动生成

8.

2022-04-07\_v8.csv

init\_score\_samples = quantile\_df[4]

init\_score\_samples: -0.43999847387411034

trainset\_with\_label\_zero (14725, 28)

Number of one in train 83664

Number of zero in train 14725

Number of one in eval 14549

Number of zero in eval 5300

表格

描述已自动生成

9.

2022-04-07\_v9.csv

init\_score\_samples = quantile\_df[5]

init\_score\_samples: -0.41140272805375877

trainset\_with\_label\_zero (19587, 28

Number of one in train 78802

Number of zero in train 19587

Number of one in eval 15092

Number of zero in eval 4757

表格

描述已自动生成

# 2022.4.8

# FeatureThreshold = FeatureThresholdList[16] # 0.85

**1.**

**2022-04-08\_v0.csv**

init\_score\_samples: -0.536503476716969

trainset\_with\_label\_zero (4909, 28)

Number of one in train 72940

Number of zero in train 25449

Number of one in eval 8503

Number of zero in eval 11346

日历

描述已自动生成

**0.924057**

**# FeatureSelection加入PCA**

**1-4**

**固定：**

**FeatureThreshold = FeatureThresholdList[16]**

**init\_score\_samples = quantile\_df[0]**

调整PCA的n\_component (即数据经过主成分分析后留下n\_component个特征)

**2022-04-08\_v1.csv**

**日历

描述已自动生成**

pca = PCA(n\_components=10)

Number of one in train 72438

Number of zero in train 25951

Number of one in eval 8437

Number of zero in eval 11412

**0.911545**

**2022-04-08\_v2.csv**

pca = PCA(n\_components=20)

Number of one in train 74613

Number of zero in train 23776

Number of one in eval 7831

Number of zero in eval 12018

**手机屏幕截图

描述已自动生成**

**2022-04-08\_v3.csv**

pca = PCA(n\_components=15)

**Number of one in train 71663**

**Number of zero in train 26726**

**Number of one in eval 8272**

**Number of zero in eval 11577**

**0.910464**

**日历

描述已自动生成**

**2022-04-08\_v4.csv**

pca = PCA(n\_components=13)

日历

描述已自动生成

**Number of one in train 72427**

**Number of zero in train 25962**

**Number of one in eval 8204**

**Number of zero in eval 11645**

**0.907914**

### 5-9是imblearn之后的

**2022-04-08\_v5.csv**

**Iter\_SVM**

**Number of one in eval 7603**

**Number of zero in eval 12246**

**日历

中度可信度描述已自动生成**

**0.869998**

**2022-04-08\_v6.csv**

**Mlp**

**model = MLPClassifier(hidden\_layer\_sizes=(100, 50),max\_iter=1000)**

**Predict Eval Set:**

**Number of one in eval 6003**

**Number of zero in eval 13846**

**2022-04-08\_v7.csv**

**model = MLPClassifier(hidden\_layer\_sizes=(50, 50, 50), max\_iter=1000)**

**Number of one in eval 6824**

**Number of zero in eval 13025**

日历

描述已自动生成

**0.910295**

**2022-04-08\_v8.csv**

model = MLPClassifier(hidden\_layer\_sizes=(128, 256, 512), max\_iter=1000)

Number of one in eval 7095

Number of zero in eval 12754

日历

中度可信度描述已自动生成

**0.831908**

**2022-04-08\_v9.csv**

model = MLPClassifier(hidden\_layer\_sizes=(128, 256, 128, 256), max\_iter=1000)

Number of one in eval 6868

Number of zero in eval 12981

日历

描述已自动生成

**0.815824**

# 2022.4.9

# n\_component = 20

**2022-04-08\_v0.csv**

init\_score\_samples: -0.4818367247107601

trainset\_with\_label\_zero (4909, 22)

日历

描述已自动生成

Number of one in train 71535

Number of zero in train 26854

Number of one in eval 8404

Number of zero in eval 11445

0.91965

**2022-04-08\_v1.csv**

**Kfold**

# Model 7

params = {'C': 100, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

Number of one in eval 9326

Number of zero in eval 10523

文本

中度可信度描述已自动生成

0.846775

**2022-04-08\_v2.csv**

# Model 7

params = {'C': 1000, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

Number of one in eval 12727

Number of zero in eval 7122

日历

描述已自动生成

**2022-04-08\_v3.csv**

# Model 7

params = {'C': 500, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

Number of one in eval 12759

Number of zero in eval 7090

日历

描述已自动生成

**2022-04-08\_v4.csv**

# Model 7

params = {'C': 5000, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

手机屏幕截图

描述已自动生成

**2022-04-08\_v5.csv**

params = {'C': 250, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

**图片包含 文本

描述已自动生成**

**2022-04-08\_v6.csv**

params = {'C': 50, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

手机屏幕截图

描述已自动生成

**2022-04-08\_v7.csv**

params = {'C': 150, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

日历

描述已自动生成

**2022-04-08\_v8.csv**

params = {'C': 200, 'kernel': 'rbf', 'degree': 3, 'gamma': 'auto'}

# 2022.4.10

# without PCA

FeatureThreshold = FeatureThresholdList[16] # 0.85

Slow iter

**2022-04-10\_v0.csv**

**图片包含 日历

描述已自动生成**

**0.924174**

**2022-04-10\_v1.csv**

**Voting SVM LAST 5**

**文本

描述已自动生成**

0.914477

**2022-04-10\_v2.csv**

**Voting SVM LAST 3**

**图形用户界面, 文本

描述已自动生成**

0.914597

**2022-04-10\_v3.csv**

**model = SVC(probability=True, degree=4)**

**图片包含 文本

描述已自动生成**

**0.923596**

**2022-04-10\_v4.csv**

**Voting SVM（from 3） LAST 5**

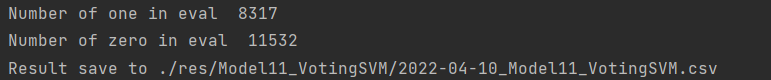
**文本

描述已自动生成**

0.91405

**2022-04-10\_v5.csv**

**Voting SVM（from 3） LAST 3**

****

0.913931

**# 以下FeatureThreshold = FeatureThresholdList[15]**

**2022-04-10\_6.csv**

Itersvm

0.939595

**2022-04-10\_7.csv**

Slow svm

model = SVC(probability=True,degree=4)

图形用户界面, 文本, 应用程序

描述已自动生成

手机屏幕截图

描述已自动生成

**0.939749**

**2022-04-10\_8.csv**

**Voting SVM（from 7） LAST 5**

**文本

描述已自动生成**

**0.938575**

**2022-04-10\_9.csv**

**Voting SVM（from 7） LAST 3**

**背景图案

低可信度描述已自动生成**

**2022-04-10\_9.csv**

**Catboost**

**文本

描述已自动生成**

日历

描述已自动生成

**0.740666**

# 2022.4.11

FeatureThreshold = FeatureThresholdList[15]

**2022-04-11\_0.csv**

model = SVC(probability=True, **degree=5**)

文本

中度可信度描述已自动生成

0.932593

**2022-04-11\_1.csv**

**Voting SVM（from 0） LAST 3**

**文本

描述已自动生成**

0.930867

**2022-04-11\_2.csv**

**Voting SVM（from 0） LAST 3**

**文本

中度可信度描述已自动生成**

0.930203

**2022-04-11\_3.csv**

**Voting SVM（from 8） LAST 5**

**文本

中度可信度描述已自动生成**

0.937173

**2022-04-11\_4.csv**

**固定 FeatureThreshold = FeatureThresholdList[13]**

**（同2022-04-12\_v0.csv）**

model = SVC(probability=True, degree=4)

图片包含 文本

描述已自动生成

**0.941538**

**以下 FeatureThreshold = FeatureThresholdList[14]**

**2022-04-11\_v5.csv**

model = SVC(probability=True, **degree=4**)

手机屏幕截图

描述已自动生成

0.939027

**2022-04-11\_v6.csv**

**Voting SVM（from 5） LAST 3**

图片包含 图表

描述已自动生成

0.935251

**2022-04-11\_v7.csv**

**Voting SVM（from 5） LAST 5**

图片包含 图表

描述已自动生成

0.935728

**2022-04-11\_v8.csv**

model = SVC(probability=True, degree=5)

手机屏幕截图

描述已自动生成

0.940168

**2022-04-11\_v9.csv**

**Voting SVM（from 8） LAST 3**

文本

中度可信度描述已自动生成

0.9368

# 2022.4.12

以下都是Catboost

**固定 FeatureThreshold = FeatureThresholdList[15] # Number of Features 34**

**2022-04-12\_v0.csv**

**文本

描述已自动生成**

日历

描述已自动生成

文本

中度可信度描述已自动生成

**0.975042**

**2022-04-12\_v1.csv**

**From v0 fit all**

**日历

描述已自动生成**

文本

描述已自动生成

0.972786

**2022-04-12\_v2.csv**

**FeatureThreshold = FeatureThresholdList[16] #**  **Number of Features 26**

**model = CatBoostClassifier(iterations=3000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5)**手机屏幕截图

描述已自动生成

**2022-04-12\_v3.csv**

**FeatureThreshold = FeatureThresholdList[16] #**  **Number of Features 26**

model = CatBoostClassifier(iterations=2000, verbose=500, eval\_metric='F1')

**一些文字和图片的手机截图

中度可信度描述已自动生成**

0.9611

**2022-04-12\_v4.csv**

**Iter\_Cat**

**图片包含 日历

描述已自动生成**

0.972526

**2022-04-12\_v5.csv**

**固定 FeatureThreshold = FeatureThresholdList[15] # Number of Features 34**

**model = CatBoostClassifier(iterations=3000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5)**

图片包含 图形用户界面

描述已自动生成

0.972452

**2022-04-12\_v6.csv**

**固定 FeatureThreshold = FeatureThresholdList[15] # Number of Features 34**

**model = CatBoostClassifier(iterations=3000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5)**

**GridSearch**

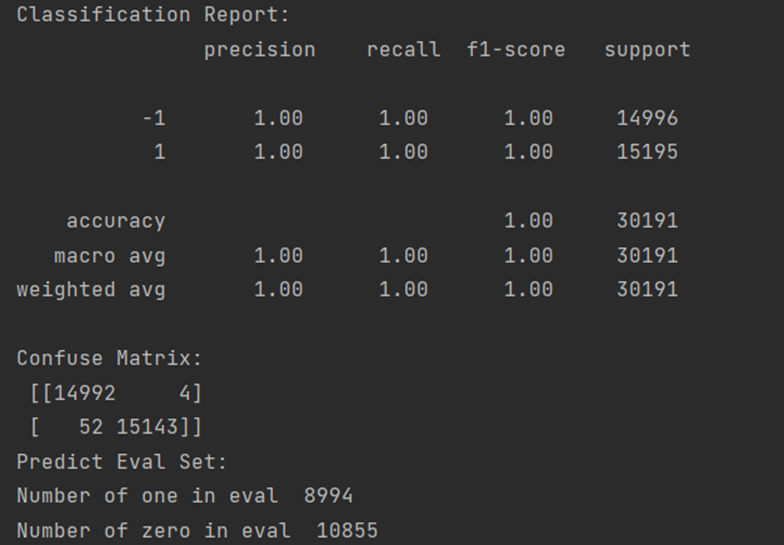
**文本

描述已自动生成**

**SMOTE balance**

**图形用户界面, 文本

描述已自动生成**

****

{'params': {'depth': 6, 'l2\_leaf\_reg': 1, 'learning\_rate': 0.1}

0.927147

**2022-04-12\_v7.csv**

**固定 FeatureThreshold = FeatureThresholdList[15] # Number of Features 34**

**model = CatBoostClassifier(iterations=3000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5)**

**GridSearch**

文本

描述已自动生成

Without balancing

图片包含 日历

描述已自动生成

'params': {'depth': 7, 'l2\_leaf\_reg': 7, 'learning\_rate': 0.4

0.971481

**2022-04-12\_v8.csv**

**No GridSearch** No balancing

model = CatBoostClassifier(iterations=10000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5, learning\_rate=0.4)

0.971815

**2022-04-12\_v9.csv**

**No GridSearch** No balancing

model = CatBoostClassifier(iterations=10000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5, learning\_rate=0.4)

日历

描述已自动生成

图形用户界面, 文本

描述已自动生成

# 2022.4.13

**2022-04-13\_v0.csv**

**FeatureThreshold = FeatureThresholdList[16] #**  **Number of Features 26**

**model = CatBoostClassifier(iterations=3000, verbose=1000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5)**

**手机屏幕截图

中度可信度描述已自动生成**

**0.96017**

**2022-04-13\_v1.csv**

model=CatBoostClassifier(iterations=50000, verbose=10000, eval\_metric='F1', depth=7, l2\_leaf\_reg=5, learning\_rate=0.4)

if len(trainset\_with\_label) - len\_trainset\_with\_label <= 5:

**2022-04-13\_v2.csv**

**Params = {'task\_type':'GPU','iterations':50000, 'verbose':10000, 'eval\_metric':'F1', 'depth':7, 'l2\_leaf\_reg':5, 'learning\_rate':0.3}**

**文本

低可信度描述已自动生成**

**0.971597**

**2022-04-13\_v3.csv**

**Params = {'task\_type':'GPU','iterations':10000, 'verbose':5000, 'eval\_metric':'F1', 'depth':7, 'l2\_leaf\_reg':7, 'learning\_rate':0.3}**

**文本

中度可信度描述已自动生成**

0.972564

**2022-04-13\_v4.csv**

**Params = {'task\_type':'GPU','iterations':10000, 'verbose':5000, 'eval\_metric':'F1', 'depth':7, 'l2\_leaf\_reg':10, 'learning\_rate':0.3}**

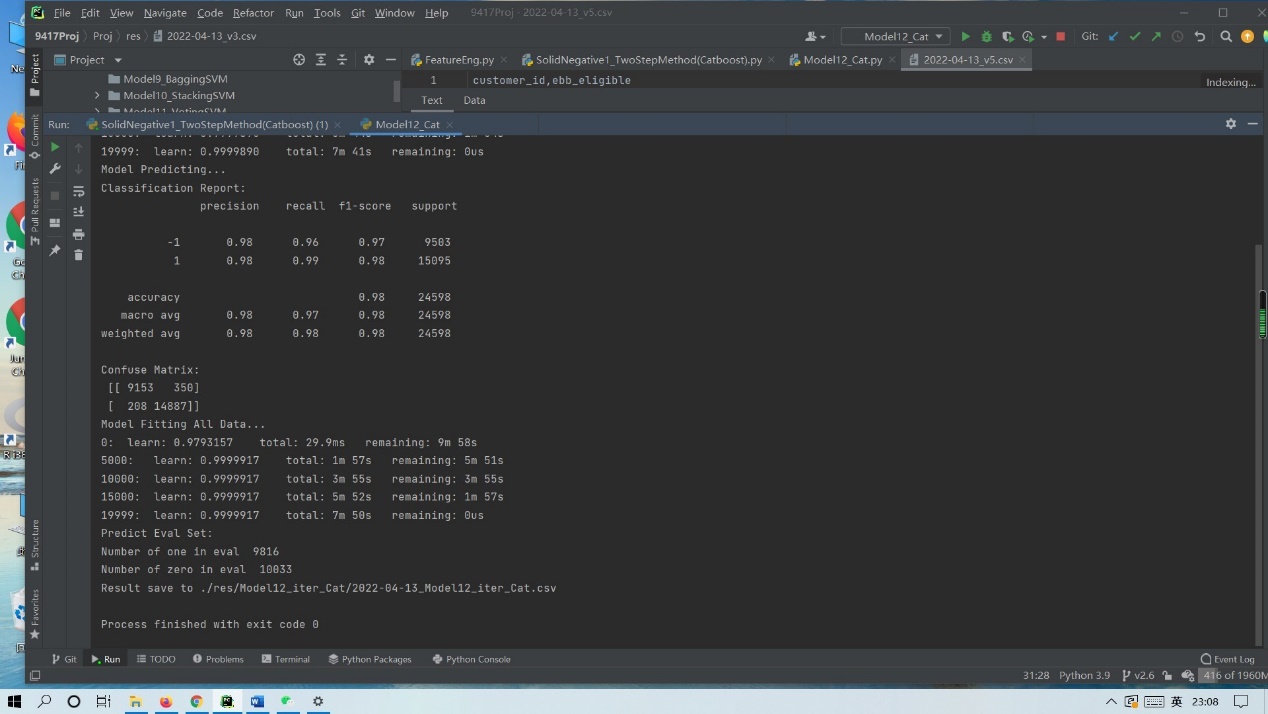
**文本

描述已自动生成**

0.972306

**2022-04-13\_v5.csv**

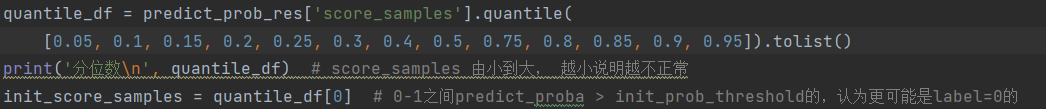
Params = {'task\_type':'GPU','iterations':20000, 'verbose':5000, 'eval\_metric':'F1', 'depth':9, 'l2\_leaf\_reg':10, 'learning\_rate':0.3}



# 2022.4.14(be baned)

# 2022.4.15（解禁） v6best

**2022-04-15\_v0.csv**



屏幕上有字

描述已自动生成

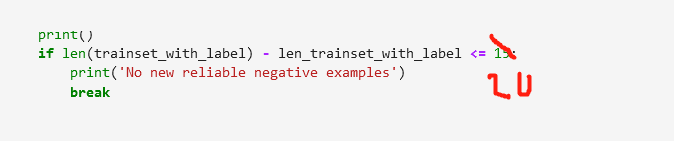
model = CatBoostClassifier(iterations=5000, verbose=2500, eval\_metric='F1', depth=7, l2\_leaf\_reg=7, learning\_rate=0.1)

文本

描述已自动生成

0.974136

**2022-04-15\_v1.csv**



一些文字和图片的手机截图

描述已自动生成

**0.980804**

**2022-04-15\_v2.csv**

Params = {'iterations':10000, 'verbose':1000, 'eval\_metric':'F1', 'depth':7, 'l2\_leaf\_reg':7, 'learning\_rate':0.07675896435626739}

model.set\_params(\*\*Params)

一些文字和图片的手机截图

描述已自动生成

**0.980908**

**2022-04-15\_v3.csv**

Params = {'iterations':10000, 'verbose':1000, 'eval\_metric':'F1', 'depth':7, 'l2\_leaf\_reg':7, 'learning\_rate':0.07675896435626739}

model.set\_params(\*\*Params)

图片包含 文本

描述已自动生成

0.974595

**2022-04-15\_v4.csv**

Params = {'iterations':5000, 'verbose':1000, 'eval\_metric':'F1', 'bootstrap\_type':'Bernoulli','depth': 6, 'l2\_leaf\_reg': 17,

'learning\_rate': 0.29134132907050203, 'random\_strength':0.8877203622059868}

手机屏幕截图

描述已自动生成

0.980144

**2022-04-15\_v5.csv**

与v4相同，但是在本地运行结果

图片包含 日历

描述已自动生成

0.972864

**2022-04-15\_v6.csv**

其余和v1相同

徽标

低可信度描述已自动生成

手机屏幕截图

描述已自动生成

**0.981968**

**2022-04-15\_v7.csv**

其余和v1相同

图片包含 文本

描述已自动生成手机屏幕截图

描述已自动生成

**0.981235**

# 2022.4.16

**2022-04-17\_v0.csv**

FeatureThreshold = FeatureThresholdList[16]

图片包含 文本

描述已自动生成

**2022-04-17\_v1.csv**

FeatureThreshold = FeatureThresholdList[15]

图片包含 文本

描述已自动生成

手机屏幕截图

描述已自动生成

**2022-04-17\_v2.csv**

FeatureThreshold = FeatureThresholdList[15]

文本

描述已自动生成

手机屏幕截图

描述已自动生成

手机屏幕截图

描述已自动生成