Datasets

- pageb_benchmarks.zip (https://ir.library.oregonstate.edu/concern/parent/47429f155/file_sets/1g05fh87w)

要求

使用Python Outlier Detection (PyOD) (https://github.com/yzhao062/pyod)或其他已知的工具包来完成分析工作

提交的内容

- 完整的分析代码
- 分析报告：展示分析的思路，详细过程，结果及你的分析
- 所选择的数据集在README中说明，数据文件不要上传到Github中

```
In [1]:  import pandas as pd
         import os
         import time
         import warnings
         import numpy as np

         warnings.filterwarnings('ignore')

         # timekeeping
         timekeeping = time.time()
```

```
In [2]:  PAGEB_ROOT = 'pageb/benchmarks'
         benchmark_list = os.listdir(PAGEB_ROOT)
         print(len(benchmark_list))
```

```
940
```

数据来源说明

根据论文[1]可知，数据集中会引入4种不同的层次的不相关特征（i.e., noise）。

要创建新的不相关特征，首先从原始母集中随机选择一个特征。然后，对于原始数据集中的每个数据点，通过从原始数据点的值进行统一采样（替换）来为此特征选择一个值。结果是新添加的特征与某些原始特征具有相同的边缘分布，但是其值不包含有关数据点异常状态的信息。这保留了真实数据的特质，同时允许引入噪声。

为了简化确定需要多少不相关特征的过程，如果数据集已经具有d维特征，而我们想评估d'维，即将成对平均距离增加一个因子α所需的维数，那么

$$d' = \left(\alpha\sqrt{d}\right)^2 \quad (1),$$

其中$\alpha \in \{1.0, 1.2, 1.5, 2.0\}$.

[1] Emmott A, Das S, Dietterich T G, et al. A Meta-Analysis of the Anomaly Detection Problem[J]. arXiv: Artificial Intelligence, 2015.

随机选取一个csv文件，确定该数据集的原始特征有哪些?

```
In [3]: df = pd.read_csv(os.path.join(PAGEB_ROOT, benchmark_list[0]))
        df.info()
        df.head()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4654 entries, 0 to 4653
Data columns (total 16 columns):
 #   Column          Non-Null Count   Dtype
---  ------          --------------   -----
 0   point.id        4654 non-null    object
 1   motherset       4654 non-null    object
 2   origin          4654 non-null    object
 3   original.label  4654 non-null    int64
 4   diff.score      4654 non-null    float64
 5   ground.truth    4654 non-null    object
 6   V               4654 non-null    float64
 7   V.1             4654 non-null    float64
 8   V.2             4654 non-null    float64
 9   V.3             4654 non-null    float64
 10  V.4             4654 non-null    float64
 11  V.5             4654 non-null    float64
 12  V.6             4654 non-null    float64
 13  V.7             4654 non-null    float64
 14  V.8             4654 non-null    float64
 15  V.9             4654 non-null    float64
dtypes: float64(11), int64(1), object(4)
memory usage: 581.9+ KB
```

Out[3]:

	point.id	motherset	origin	original.label	diff.score	ground.truth	V	
0	pageb_point_2156	pageb	multiclass	1	0.050799	nominal	-0.077700	-0.(
1	pageb_point_4574	pageb	multiclass	3	0.012214	anomaly	3.244986	0.(
2	pageb_point_1655	pageb	multiclass	1	0.013439	nominal	-0.183182	-0.(
3	pageb_point_0667	pageb	multiclass	5	0.011605	anomaly	2.190165	3.:
4	pageb_point_2081	pageb	multiclass	1	0.054793	nominal	-0.183182	1.(

根据以上的信息我们可以确定，pageb这个数据集的原始特征维度$d = 10$(V，V.1 ~ V.9)。因此，由等式
（1）可知，所有csv文件所包含的列数可能为$16 = \left(1.0 \times \sqrt{10}\right)^2 + 6, 20 = \left(1.2 \times \sqrt{10}\right)^2 + 6,$
$28 = \left(1.5 \times \sqrt{10}\right)^2 + 6, 46 = \left(2.0 \times \sqrt{10}\right)^2 + 6.$

下面我们遍历所有csv文件，验证一下。

```
In [4]: d_set = set()
        d_count = 0
        for i in range(len(benchmark_list)):
            df = pd.read_csv(os.path.join(PAGEB_ROOT, benchmark_list[i]))
            d_set.add(len(df.columns))
            d_count += len(df)
        print('Possible columns of all csv files:', d_set)
        print('Total amount:', d_count)
```

```
Possible columns of all csv files: {16, 20, 28, 46}
Total amount: 3180315
```

实验思路一

将所有的csv文件共同的特征合并，并将合并的数据分成训练集和测试集

数据特征提取

为了充分利用所提供的数据集完成离群点分析与异常检测，将提取所有csv文件共同的特征（即原始特征, V , V.1 ~ V.9）作为算法或模型的输入，用于检测该条数据是否属于异常点。

```
In [5]: ORIGIN_FEATURES = ['V', 'V.1', 'V.2', 'V.3', 'V.4', 'V.5', 'V.6', 'V.
        7', 'V.8', 'V.9', 'ground.truth']
        def feature_section(benchmark_list):
            concat_data = pd.DataFrame()
            for i in benchmark_list:
                df = pd.read_csv(os.path.join(PAGEB_ROOT, i))
                concat_data = concat_data.append(df[ORIGIN_FEATURES])
            return concat_data
```

```
In [6]: concat_data = feature_section(benchmark_list=benchmark_list)
        concat_data.info()
        concat_data.head()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 3180315 entries, 0 to 4465
Data columns (total 11 columns):
 #   Column        Dtype
---  ------        -----
 0   V             float64
 1   V.1           float64
 2   V.2           float64
 3   V.3           float64
 4   V.4           float64
 5   V.5           float64
 6   V.6           float64
 7   V.7           float64
 8   V.8           float64
 9   V.9           float64
 10  ground.truth  object
dtypes: float64(10), object(1)
memory usage: 291.2+ MB
```

Out[6]:

	V	V.1	V.2	V.3	V.4	V.5	V.6	V.7	
0	-0.077700	-0.031103	-0.087518	-0.136725	-0.886844	-1.570670	-0.071357	-0.159746	-0.181
1	3.244986	0.056064	1.178212	-0.404543	0.671466	-1.189799	0.137100	2.367937	1.745
2	-0.183182	-0.667426	-0.228360	-0.387477	-0.588683	-0.803068	-0.069620	-0.269166	-0.362
3	2.190165	3.237675	4.696190	-0.159231	-0.993731	-3.146892	0.076734	3.338549	2.762
4	-0.183182	1.023622	0.051676	0.515150	-0.673068	-0.082342	-0.071357	-0.003881	0.199

数据集划分

train set : test set = 8 : 2

```
In [7]: def data_label_split(data, label_column='ground.truth'):
            x = data.drop(label_column, axis=1)
            y = []
            for i in data[label_column].values:
                if i == 'nominal':
                    y.append(0)
                else:
                    y.append(1)
            y = np.array(y)
            return x, y
```

```
In [8]:   from sklearn.model_selection import train_test_split

          train, test = train_test_split(concat_data, test_size=0.2, random_sta
          te=2020)

          X_train, y_train = data_label_split(train)
          X_test, y_test = data_label_split(test)
```

```
In [9]:   from sklearn.utils.multiclass import type_of_target
          type_of_target(y_train)
```

Out[9]:   'binary'

模型比较

单一模型

- KNN
- PCA
- LOF

组合模型

- **Average**: average scores of all detectors
- **Maximization**: maximum score across all detectors.
- **Average of Maximum (AOM)**
- **Maximum of Average (MOA)**

ref: https://github.com/yzhao062/pyod/tree/master/examples
(https://github.com/yzhao062/pyod/tree/master/examples)

kNN

初始化一个 `pyod.models.knn.KNN` 检测器, 模型拟合, 然后给出预测。

```
In [10]:  # train the KNN detector
          from pyod.models.knn import KNN

          clf_name = 'KNN'
          clf = KNN()
          clf.fit(X_train)

          # get the prediction labels and outlier scores of the training data
          y_train_pred = clf.labels_   # binary labels (0: inliers, 1: outliers)
          y_train_scores = clf.decision_scores_   # raw outlier scores

          # get the prediction on the test data
          y_test_pred = clf.predict(X_test)   # outlier labels (0 or 1)
          y_test_scores = clf.decision_function(X_test)   # outlier scores
```

利用 ROC 和 Precision @ Rank 评估预测。

```
In [11]:  from pyod.utils.data import evaluate_print
          # evaluate and print the results
          print("\nOn Training Data:")
          evaluate_print(clf_name, y_train, y_train_scores)
          print("\nOn Test Data:")
          evaluate_print(clf_name, y_test, y_test_scores)
```

```
On Training Data:
KNN ROC:0.5, precision @ rank n:0.0

On Test Data:
KNN ROC:0.5, precision @ rank n:0.0
```

PCA

初始化一个 pyod.models.pca.PCA 检测器, 模型拟合, 然后给出预测。

```
In [12]:  # train PCA detector
          from pyod.models.pca import PCA

          clf_name = 'PCA'
          clf = PCA(n_components=3)
          clf.fit(X_train)

          # get the prediction labels and outlier scores of the training data
          y_train_pred = clf.labels_   # binary labels (0: inliers, 1: outliers)
          y_train_scores = clf.decision_scores_   # raw outlier scores

          # get the prediction on the test data
          y_test_pred = clf.predict(X_test)   # outlier labels (0 or 1)
          y_test_scores = clf.decision_function(X_test)   # outlier scores
```

利用 ROC 和 Precision @ Rank 评估预测

```
# evaluate and print the results
print("\nOn Training Data:")
evaluate_print(clf_name, y_train, y_train_scores)
print("\nOn Test Data:")
evaluate_print(clf_name, y_test, y_test_scores)
```

```
On Training Data:
PCA ROC:0.8928, precision @ rank n:0.2423

On Test Data:
PCA ROC:0.8925, precision @ rank n:0.2426
```

LOF

初始化一个 pyod.models.lof.LOF 检测器, 模型拟合, 然后给出预测。

In [14]:
```
# train LOF detector
from pyod.models.lof import LOF
clf_name = 'LOF'
clf = LOF()
clf.fit(X_train)

# get the prediction labels and outlier scores of the training data
y_train_pred = clf.labels_  # binary labels (0: inliers, 1: outliers)
y_train_scores = clf.decision_scores_  # raw outlier scores

# get the prediction on the test data
y_test_pred = clf.predict(X_test)  # outlier labels (0 or 1)
y_test_scores = clf.decision_function(X_test)  # outlier scores
```

利用 ROC 和 Precision @ Rank 评估预测

In [15]:
```
# evaluate and print the results
print("\nOn Training Data:")
evaluate_print(clf_name, y_train, y_train_scores)
print("\nOn Test Data:")
evaluate_print(clf_name, y_test, y_test_scores)
```

```
On Training Data:
LOF ROC:0.5, precision @ rank n:0.0

On Test Data:
LOF ROC:0.5, precision @ rank n:0.0
```

组合模型

用不同的k(10 ～ 200)初始化20个 kNN 离群点检测器，然后得到所有的离群点的分数。

```
In [16]: from pyod.models.knn import KNN  # kNN detector
         from pyod.models.combination import aom, moa, average, maximization
         from pyod.utils.utility import standardizer
```

```
In [17]: # standardizing data for processing
         X_train_norm, X_test_norm = standardizer(X_train, X_test)

         n_clf = 20  # number of base detectors

         # initialize 20 base detectors for combination
         k_list = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140
         , 150, 160, 170, 180, 190, 200]

         train_scores = np.zeros([X_train.shape[0], n_clf])
         test_scores = np.zeros([X_test.shape[0], n_clf])

         print('Combining {n_clf} kNN detectors'.format(n_clf=n_clf))

         for i in range(n_clf):
             k = k_list[i]

             clf = KNN(n_neighbors=k, method='largest')
             clf.fit(X_train_norm)

             train_scores[:, i] = clf.decision_scores_
             test_scores[:, i] = clf.decision_function(X_test_norm)
```

Combining 20 kNN detectors

```
In [18]: # Decision scores have to be normalized before combination
         train_scores_norm, test_scores_norm = standardizer(train_scores, test
         _scores)

         # Combination by average
         y_by_average = average(test_scores_norm)
         # Combination by max
         y_by_maximization = maximization(test_scores_norm)
         # Combination by aom
         y_by_aom = aom(test_scores_norm, n_buckets=5)
         # Combination by moa
         y_by_moa = moa(test_scores_norm, n_buckets=5)
```

```
In [19]: print("\nOn Test Data:")
         evaluate_print('Combination by Average', y_test, y_by_average)
         evaluate_print('Combination by Maximization', y_test, y_by_maximizati
         on)
         evaluate_print('Combination by AOM', y_test, y_by_aom)
         evaluate_print('Combination by MOA', y_test, y_by_moa)
```

On Test Data:
Combination by Average ROC:0.6484, precision @ rank n:1.0
Combination by Maximization ROC:0.6484, precision @ rank n:1.0
Combination by AOM ROC:0.6484, precision @ rank n:1.0
Combination by MOA ROC:0.6484, precision @ rank n:1.0

实验思路二

对每个csv文件分开处理，因为有的数据集样本个数较少，所以就以无监督的形式训练整个csv样本，并在对整个训练数据进行测试，检测该条数据是否属于异常点。

```python
# evaluate using ROC and precision @ rank n

from sklearn.utils import column_or_1d
from sklearn.utils import check_consistent_length
from sklearn.metrics import roc_auc_score

from pyod.utils.utility import precision_n_scores
import numpy as np

def evaluate(y, y_pred):
    y = column_or_1d(y)
    y_pred = column_or_1d(y_pred)
    check_consistent_length(y, y_pred)

#     print('ROC:{roc}, precision @ rank n:{prn}'.format(
#         roc=np.round(roc_auc_score(y, y_pred), decimals=4),
#         prn=np.round(precision_n_scores(y, y_pred), decimals=4)))

    return np.round(roc_auc_score(y, y_pred), decimals=4), np.round(precision_n_scores(y, y_pred), decimals=4)
```

```python
# tSNE dimension reduction for visualization

from sklearn.manifold import TSNE

def tsne(original_data):
    # T-SNE Implementation
    t0 = time.time()
    reduced_tsne = TSNE(n_components=2, random_state=2020, init='pca').fit_transform(original_data.values)
    t1 = time.time()
    print("T-SNE took {:.2} s".format(t1 - t0))
    return reduced_tsne
```

```
In [22]:  # fit model in unsupervised manner and predict

          def model_evaluation(clf, data):

              X_train, y_train = data_label_split(data)

              clf.fit(X_train)

              # get the prediction labels and outlier scores of the training da
          ta
              y_train_pred = clf.labels_  # binary labels (0: inliers, 1: outli
          ers)
              y_train_scores = clf.decision_scores_  # raw outlier scores


              roc, prn = evaluate(y_train, y_train_scores)


              return y_train_pred, roc, prn
```

```
In [23]:  import matplotlib.patches as mpatches
          import matplotlib.pyplot as plt

          def visualization(data, y_pred):

              X_train, y_train = data_label_split(data)
              X_reduced_tsne = tsne(X_train)

              f, (ax0, ax1) = plt.subplots(1, 2, figsize=(16,6))


              blue_patch = mpatches.Patch(color='#0A0AFF', label='nominal')
              red_patch = mpatches.Patch(color='#AF0000', label='anomaly')

               # true visualization
              ax0.scatter(X_reduced_tsne[:,0], X_reduced_tsne[:,1], c=(y_train
          == 0), cmap='coolwarm', label='nominal', linewidths=2)
              ax0.scatter(X_reduced_tsne[:,0], X_reduced_tsne[:,1], c=(y_train
          == 1), cmap='coolwarm', label='anomaly', linewidths=2)
              ax0.set_title('ground-truth t-SNE visualization', fontsize=14)

              ax0.legend(handles=[blue_patch, red_patch])
              ax0.set_xticks([])
              ax0.set_yticks([])

              # predicted visualization
              ax1.scatter(X_reduced_tsne[:,0], X_reduced_tsne[:,1], c=(y_pred =
          = 0), cmap='coolwarm', label='nominal', linewidths=2)
              ax1.scatter(X_reduced_tsne[:,0], X_reduced_tsne[:,1], c=(y_pred =
          = 1), cmap='coolwarm', label='anomaly', linewidths=2)
              ax1.set_title('prediction t-SNE visualization', fontsize=14)

              ax1.legend(handles=[blue_patch, red_patch])
              ax1.set_xticks([])
              ax1.set_yticks([])

              plt.show()
```

```python
from pyod.models.knn import KNN
from pyod.models.pca import PCA
from pyod.models.lof import LOF
import prettytable as pt

# Add or replace models
model_list = {'KNN': KNN(), 'PCA': PCA(), 'LOF': LOF()}

tb = pt.PrettyTable( ['csv_file', 'model', 'ROC', 'precision @ rank
 n'])
for i in range(len(benchmark_list)):

    df = pd.read_csv(os.path.join(PAGEB_ROOT, benchmark_list[i]))

    df = df.drop(['point.id', 'motherset', 'origin', 'original.label'
, 'diff.score'], axis=1)

    best_roc = 0
    best_model = None
    best_pred = None
    best_prn = None
    for model in model_list:
        y_train_pred, roc, prn = model_evaluation(model_list[model],
df)
        tb.add_row([benchmark_list[i], model, roc, prn])
        if roc >= best_roc:
            best_roc = roc
            best_pred = y_train_pred
            best_model = model
            best_prn = prn

    if (i + 1) % 100 == 0:
        # visualize once / 100 files
        print(i, benchmark_list[i])
        print('best model:', best_model, 'ROC:', best_roc, 'precision
@ rank n:', best_prn)
        visualization(df, best_pred)

print(tb)
```

99 pageb_benchmark_1314.csv
best model: PCA ROC: 0.8033 precision @ rank n: 0.1202
T-SNE took 1.6e+01 s

ground-truth t-SNE visualization — nominal / anomaly

prediction t-SNE visualization — nominal / anomaly
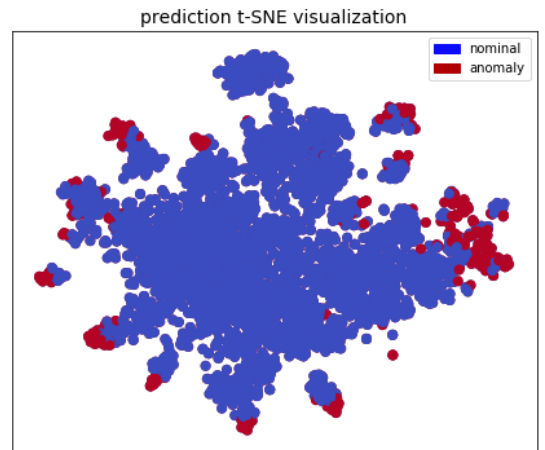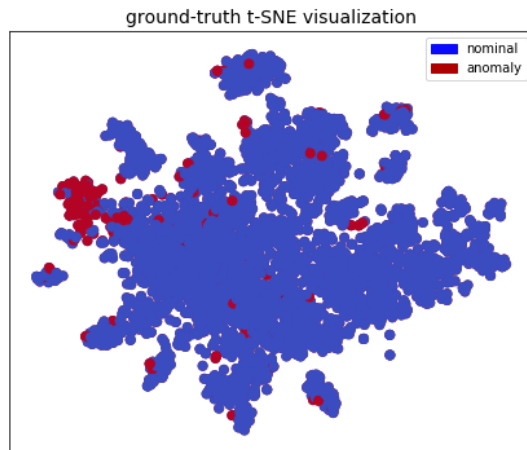
199 pageb_benchmark_0996.csv
best model: PCA ROC: 0.791 precision @ rank n: 0.0667
T-SNE took 1.5e+01 s

ground-truth t-SNE visualization — nominal / anomaly

prediction t-SNE visualization — nominal / anomaly
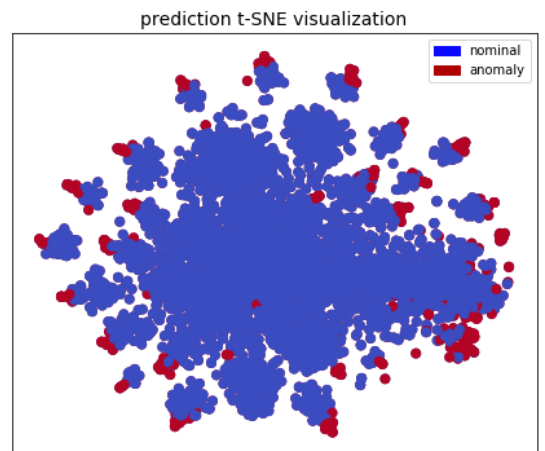
299 pageb_benchmark_1503.csv
best model: PCA ROC: 0.8969 precision @ rank n: 0.4756
T-SNE took 1.1e+01 s

ground-truth t-SNE visualization — nominal / anomaly

prediction t-SNE visualization — nominal / anomaly

399 pageb_benchmark_0295.csv
best model: PCA ROC: 0.5769 precision @ rank n: 0.5429
T-SNE took 0.73 s

ground-truth t-SNE visualization

prediction t-SNE visualization

499 pageb_benchmark_0659.csv
best model: PCA ROC: 0.9637 precision @ rank n: 0.0
T-SNE took 9.6 s

ground-truth t-SNE visualization

prediction t-SNE visualization

599 pageb_benchmark_0014.csv
best model: PCA ROC: 0.8092 precision @ rank n: 0.3326
T-SNE took 1.2e+01 s

ground-truth t-SNE visualization

prediction t-SNE visualization
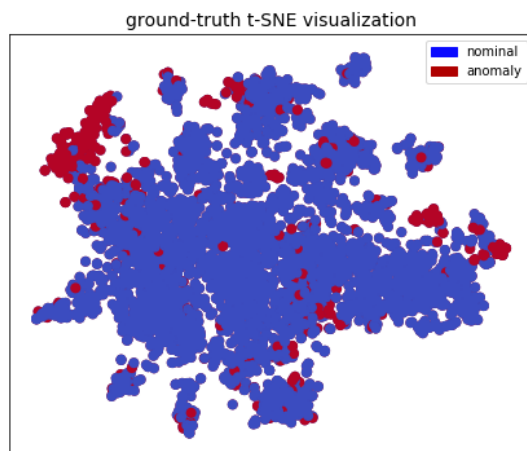
699 pageb_benchmark_0703.csv
best model: PCA ROC: 0.9321 precision @ rank n: 0.0435
T-SNE took 9.1 s
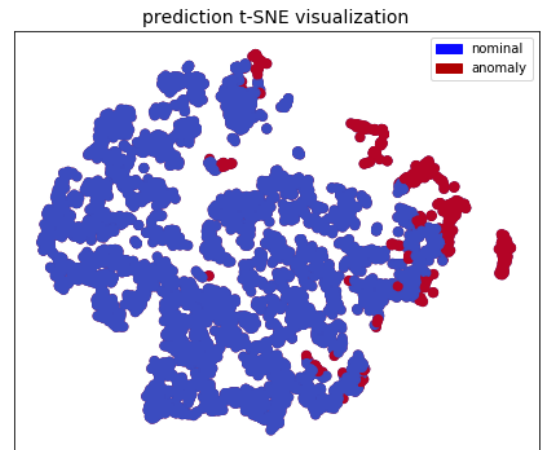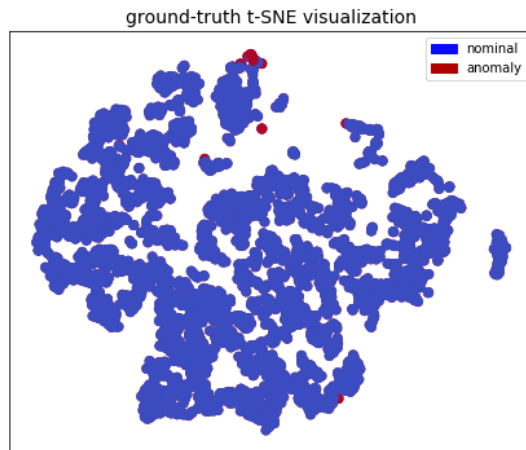
799 pageb_benchmark_0099.csv
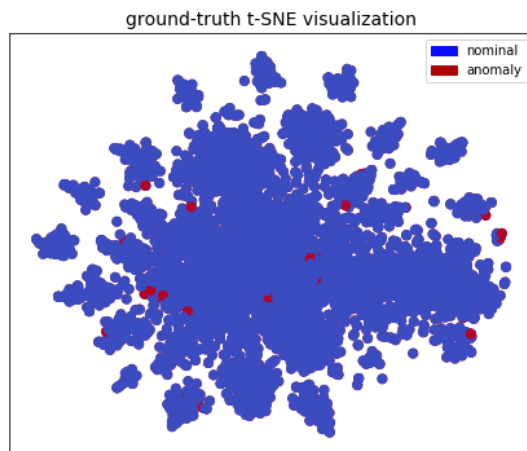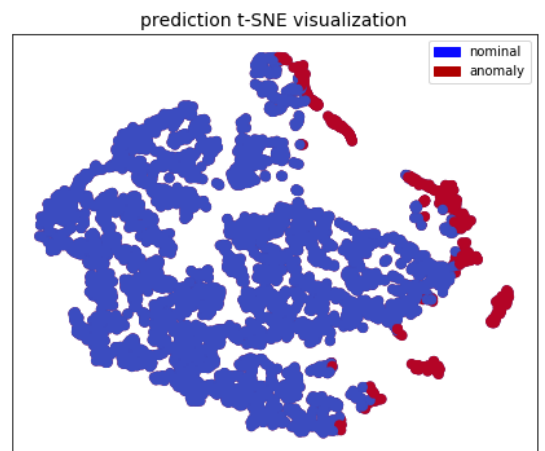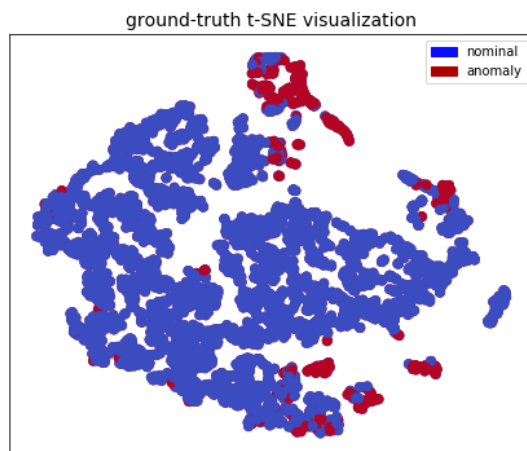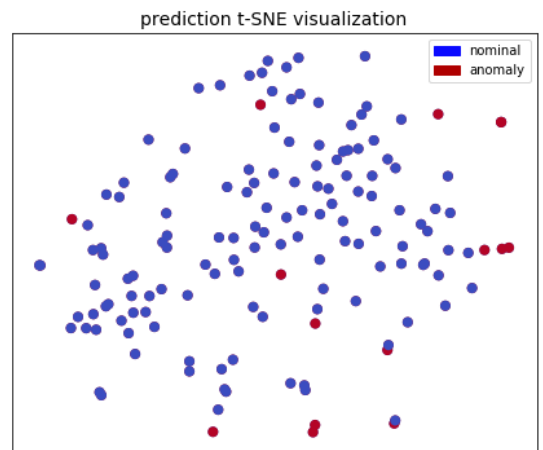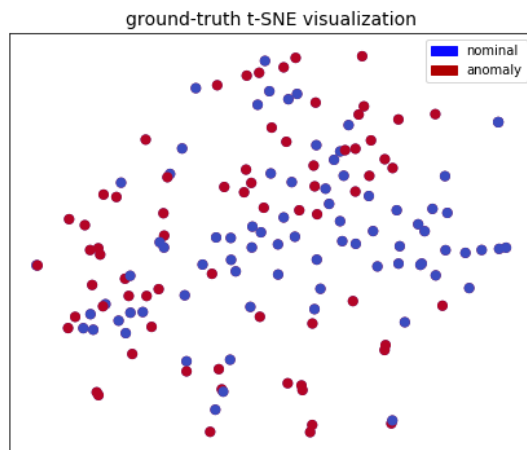best model: PCA ROC: 0.7214 precision @ rank n: 0.252
T-SNE took 1.6e+01 s
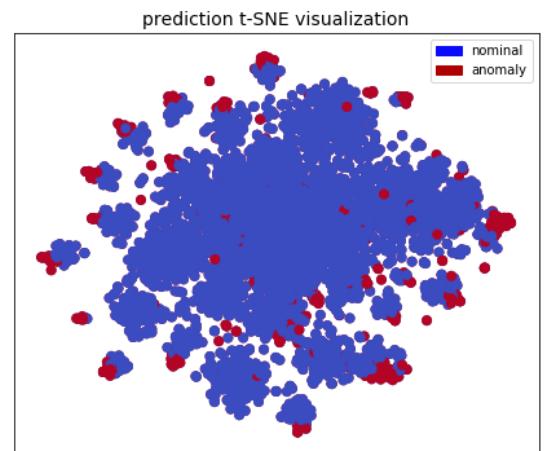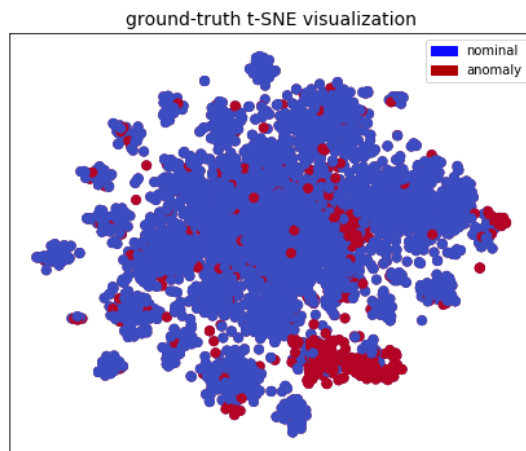
899 pageb_benchmark_0312.csv
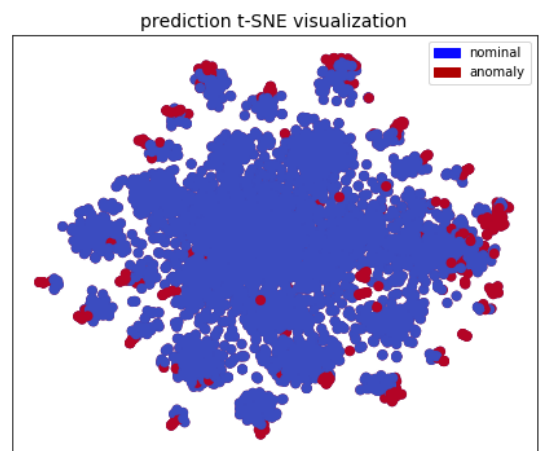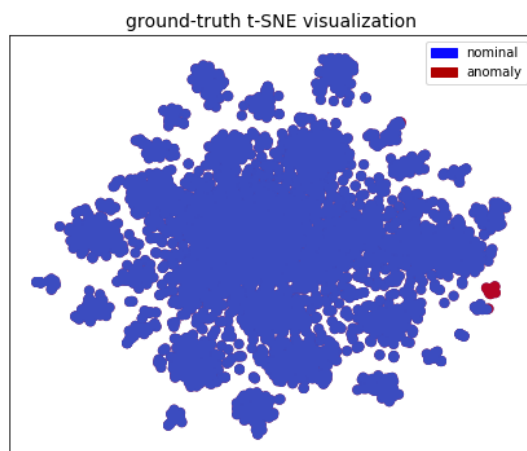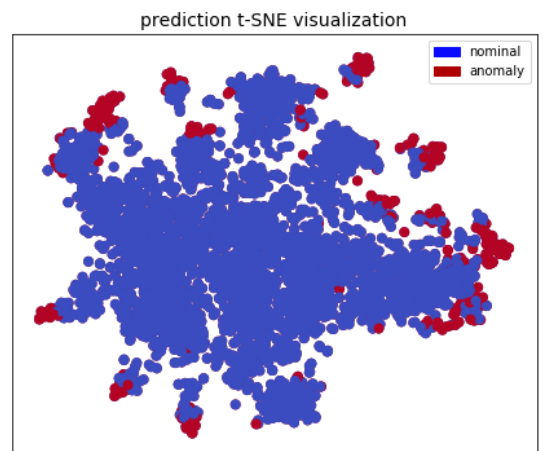best model: PCA ROC: 0.8454 precision @ rank n: 0.0
T-SNE took 1.2e+01 s
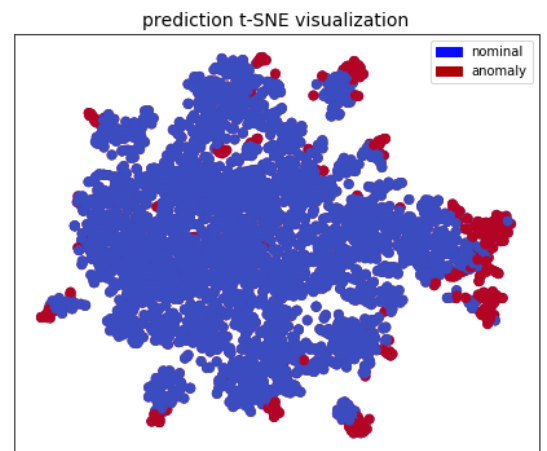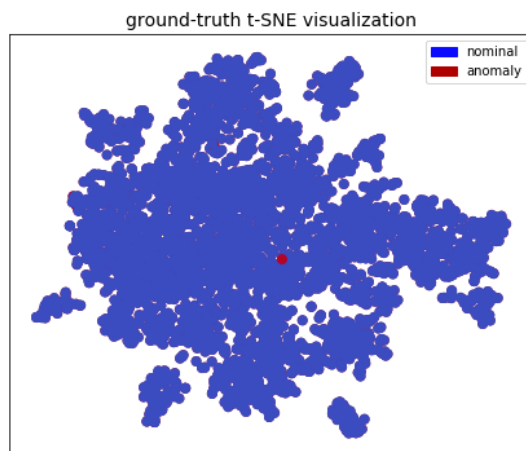
csv_file	model	ROC	precision @ rank n
pageb_benchmark_1224.csv	KNN	0.8336	0.4592
pageb_benchmark_1224.csv	PCA	0.9209	0.3519
pageb_benchmark_1224.csv	LOF	0.781	0.3691
pageb_benchmark_0945.csv	KNN	0.7816	0.1333
pageb_benchmark_0945.csv	PCA	0.922	0.0444
pageb_benchmark_0945.csv	LOF	0.6723	0.2
pageb_benchmark_0307.csv	KNN	0.7967	0.0
pageb_benchmark_0307.csv	PCA	0.8573	0.0
pageb_benchmark_0307.csv	LOF	0.8548	0.2
pageb_benchmark_0086.csv	KNN	0.8181	0.4048
pageb_benchmark_0086.csv	PCA	0.8583	0.3698
pageb_benchmark_0086.csv	LOF	0.7419	0.372
pageb_benchmark_1247.csv	KNN	0.7582	0.0968
pageb_benchmark_1247.csv	PCA	0.7962	0.0914
pageb_benchmark_1247.csv	LOF	0.7829	0.1183
pageb_benchmark_0246.csv	KNN	0.6898	0.5783
pageb_benchmark_0246.csv	PCA	0.71	0.6386
pageb_benchmark_0246.csv	LOF	0.6963	0.6024
pageb_benchmark_0037.csv	KNN	0.7168	0.2089
pageb_benchmark_0037.csv	PCA	0.7242	0.2066
pageb_benchmark_0037.csv	LOF	0.6431	0.1972
pageb_benchmark_0004.csv	KNN	0.7676	0.455
pageb_benchmark_0004.csv	PCA	0.9098	0.5113
pageb_benchmark_0004.csv	LOF	0.7442	0.3874
pageb_benchmark_0253.csv	KNN	0.5634	0.5556
pageb_benchmark_0253.csv	PCA	0.585	0.5667
pageb_benchmark_0253.csv	LOF	0.562	0.5222
pageb_benchmark_1532.csv	KNN	0.7826	0.3293
pageb_benchmark_1532.csv	PCA	0.8161	0.3089
pageb_benchmark_1532.csv	LOF	0.6969	0.3069
pageb_benchmark_1249.csv	KNN	0.7536	0.1803
pageb_benchmark_1249.csv	PCA	0.8618	0.1416
pageb_benchmark_1249.csv	LOF	0.7123	0.2189
pageb_benchmark_1309.csv	KNN	0.7837	0.1488
pageb_benchmark_1309.csv	PCA	0.8106	0.119
pageb_benchmark_1309.csv	LOF	0.7712	0.2024
pageb_benchmark_1077.csv	KNN	0.8628	0.0
pageb_benchmark_1077.csv	PCA	0.8421	0.0
pageb_benchmark_1077.csv	LOF	0.8373	0.0
pageb_benchmark_0187.csv	KNN	0.6937	0.5149
pageb_benchmark_0187.csv	PCA	0.717	0.5248
pageb_benchmark_0187.csv	LOF	0.6949	0.5347
pageb_benchmark_1555.csv	KNN	0.6565	0.1705
pageb_benchmark_1555.csv	PCA	0.7225	0.1336
pageb_benchmark_1555.csv	LOF	0.706	0.2166
pageb_benchmark_1244.csv	KNN	0.6456	0.1631
pageb_benchmark_1244.csv	PCA	0.8973	0.1459
pageb_benchmark_1244.csv	LOF	0.681	0.2275
pageb_benchmark_0316.csv	KNN	0.7932	0.0
pageb_benchmark_0316.csv	PCA	0.7846	0.0
pageb_benchmark_0316.csv	LOF	0.8675	0.0
pageb_benchmark_1512.csv	KNN	0.789	0.3394
pageb_benchmark_1512.csv	PCA	0.7904	0.3313
pageb_benchmark_1512.csv	LOF	0.7092	0.311

pageb_benchmark_0374.csv	KNN	0.8726	0.0
pageb_benchmark_0374.csv	PCA	0.9409	0.0
pageb_benchmark_0374.csv	LOF	0.9121	0.0
pageb_benchmark_0975.csv	KNN	0.8023	0.1333
pageb_benchmark_0975.csv	PCA	0.8507	0.1778
pageb_benchmark_0975.csv	LOF	0.8275	0.1778
pageb_benchmark_1259.csv	KNN	0.7789	0.122
pageb_benchmark_1259.csv	PCA	0.8673	0.1463
pageb_benchmark_1259.csv	LOF	0.2469	0.0732
pageb_benchmark_1590.csv	KNN	0.8155	0.3943
pageb_benchmark_1590.csv	PCA	0.8587	0.3415
pageb_benchmark_1590.csv	LOF	0.7053	0.2886
pageb_benchmark_1000.csv	KNN	0.741	0.1111
pageb_benchmark_1000.csv	PCA	0.8138	0.1333
pageb_benchmark_1000.csv	LOF	0.7915	0.1111
pageb_benchmark_1284.csv	KNN	0.8571	0.4592
pageb_benchmark_1284.csv	PCA	0.9113	0.3176
pageb_benchmark_1284.csv	LOF	0.7982	0.3433
pageb_benchmark_1665.csv	KNN	0.7073	0.24
pageb_benchmark_1665.csv	PCA	0.7719	0.14
pageb_benchmark_1665.csv	LOF	0.7425	0.34
pageb_benchmark_1303.csv	KNN	0.644	0.1631
pageb_benchmark_1303.csv	PCA	0.8837	0.133
pageb_benchmark_1303.csv	LOF	0.6923	0.2489
pageb_benchmark_0640.csv	KNN	0.8379	0.4783
pageb_benchmark_0640.csv	PCA	0.858	0.4783
pageb_benchmark_0640.csv	LOF	0.9109	0.4348
pageb_benchmark_0116.csv	KNN	0.5871	0.1159
pageb_benchmark_0116.csv	PCA	0.652	0.1043
pageb_benchmark_0116.csv	LOF	0.585	0.1507
pageb_benchmark_0392.csv	KNN	0.8792	0.0
pageb_benchmark_0392.csv	PCA	0.9603	0.0
pageb_benchmark_0392.csv	LOF	0.8824	0.0
pageb_benchmark_1617.csv	KNN	0.7082	0.119
pageb_benchmark_1617.csv	PCA	0.7678	0.1429
pageb_benchmark_1617.csv	LOF	0.2575	0.0476
pageb_benchmark_0327.csv	KNN	0.9492	0.6
pageb_benchmark_0327.csv	PCA	0.9445	0.6
pageb_benchmark_0327.csv	LOF	0.953	0.6
pageb_benchmark_1619.csv	KNN	0.5796	0.1132
pageb_benchmark_1619.csv	PCA	0.6365	0.0943
pageb_benchmark_1619.csv	LOF	0.5996	0.1132
pageb_benchmark_1800.csv	KNN	1.0	1.0
pageb_benchmark_1800.csv	PCA	0.9359	0.6667
pageb_benchmark_1800.csv	LOF	1.0	1.0
pageb_benchmark_0404.csv	KNN	0.7965	0.0
pageb_benchmark_0404.csv	PCA	0.8001	0.0
pageb_benchmark_0404.csv	LOF	0.8635	0.0
pageb_benchmark_0175.csv	KNN	0.6069	0.2574
pageb_benchmark_0175.csv	PCA	0.6434	0.1881
pageb_benchmark_0175.csv	LOF	0.6304	0.2376
pageb_benchmark_0696.csv	KNN	0.8518	0.0435
pageb_benchmark_0696.csv	PCA	0.8732	0.087
pageb_benchmark_0696.csv	LOF	0.8645	0.0435
pageb_benchmark_1003.csv	KNN	0.8007	0.1333
pageb_benchmark_1003.csv	PCA	0.9011	0.0667
pageb_benchmark_1003.csv	LOF	0.7743	0.2222

pageb_benchmark_0038.csv	KNN	0.7112	0.2713
pageb_benchmark_0038.csv	PCA	0.7174	0.2626
pageb_benchmark_0038.csv	LOF	0.6687	0.2779
pageb_benchmark_0686.csv	KNN	0.8928	0.0
pageb_benchmark_0686.csv	PCA	0.9221	0.0435
pageb_benchmark_0686.csv	LOF	0.8437	0.087
pageb_benchmark_1799.csv	KNN	0.9615	0.6667
pageb_benchmark_1799.csv	PCA	0.9744	0.6667
pageb_benchmark_1799.csv	LOF	0.9615	0.6667
pageb_benchmark_0180.csv	KNN	0.5574	0.1379
pageb_benchmark_0180.csv	PCA	0.6082	0.1954
pageb_benchmark_0180.csv	LOF	0.5605	0.1494
pageb_benchmark_0690.csv	KNN	0.9002	0.087
pageb_benchmark_0690.csv	PCA	0.9069	0.087
pageb_benchmark_0690.csv	LOF	0.8571	0.0
pageb_benchmark_0655.csv	KNN	0.7227	0.0
pageb_benchmark_0655.csv	PCA	0.7854	0.0
pageb_benchmark_0655.csv	LOF	0.8081	0.0
pageb_benchmark_0289.csv	KNN	0.6136	0.5323
pageb_benchmark_0289.csv	PCA	0.6027	0.4839
pageb_benchmark_0289.csv	LOF	0.6094	0.5161
pageb_benchmark_0040.csv	KNN	0.7339	0.2701
pageb_benchmark_0040.csv	PCA	0.7354	0.2723
pageb_benchmark_0040.csv	LOF	0.68	0.2522
pageb_benchmark_0910.csv	KNN	0.8968	0.1778
pageb_benchmark_0910.csv	PCA	0.9087	0.1778
pageb_benchmark_0910.csv	LOF	0.8962	0.2222
pageb_benchmark_1568.csv	KNN	0.8206	0.3902
pageb_benchmark_1568.csv	PCA	0.8577	0.3354
pageb_benchmark_1568.csv	LOF	0.7028	0.3191
pageb_benchmark_0909.csv	KNN	0.8964	0.3778
pageb_benchmark_0909.csv	PCA	0.903	0.3333
pageb_benchmark_0909.csv	LOF	0.8821	0.3333
pageb_benchmark_1260.csv	KNN	0.6712	0.1121
pageb_benchmark_1260.csv	PCA	0.7617	0.1288
pageb_benchmark_1260.csv	LOF	0.6391	0.1116
pageb_benchmark_1299.csv	KNN	0.7615	0.1803
pageb_benchmark_1299.csv	PCA	0.7791	0.1931
pageb_benchmark_1299.csv	LOF	0.738	0.1845
pageb_benchmark_0982.csv	KNN	0.9414	0.2889
pageb_benchmark_0982.csv	PCA	0.9134	0.2
pageb_benchmark_0982.csv	LOF	0.937	0.2889
pageb_benchmark_0997.csv	KNN	0.7529	0.0444
pageb_benchmark_0997.csv	PCA	0.8405	0.0444
pageb_benchmark_0997.csv	LOF	0.808	0.0667
pageb_benchmark_0314.csv	KNN	0.9062	0.2
pageb_benchmark_0314.csv	PCA	0.9054	0.2
pageb_benchmark_0314.csv	LOF	0.9265	0.2
pageb_benchmark_0070.csv	KNN	0.8105	0.3792
pageb_benchmark_0070.csv	PCA	0.8692	0.3814
pageb_benchmark_0070.csv	LOF	0.7207	0.3836
pageb_benchmark_1662.csv	KNN	0.7392	0.2885
pageb_benchmark_1662.csv	PCA	0.7926	0.1923
pageb_benchmark_1662.csv	LOF	0.7322	0.3846
pageb_benchmark_0994.csv	KNN	0.869	0.2
pageb_benchmark_0994.csv	PCA	0.896	0.2444
pageb_benchmark_0994.csv	LOF	0.8914	0.1333

pageb_benchmark_0030.csv	KNN	0.7862	0.3983
pageb_benchmark_0030.csv	PCA	0.8761	0.3797
pageb_benchmark_0030.csv	LOF	0.6977	0.3174
pageb_benchmark_1557.csv	KNN	0.573	0.1205
pageb_benchmark_1557.csv	PCA	0.6292	0.125
pageb_benchmark_1557.csv	LOF	0.6107	0.1339
pageb_benchmark_1584.csv	KNN	0.7717	0.4614
pageb_benchmark_1584.csv	PCA	0.8993	0.4878
pageb_benchmark_1584.csv	LOF	0.7388	0.3618
pageb_benchmark_0215.csv	KNN	0.6292	0.4421
pageb_benchmark_0215.csv	PCA	0.6512	0.4421
pageb_benchmark_0215.csv	LOF	0.6255	0.4526
pageb_benchmark_0090.csv	KNN	0.7867	0.3617
pageb_benchmark_0090.csv	PCA	0.8502	0.3107
pageb_benchmark_0090.csv	LOF	0.7338	0.3398
pageb_benchmark_0219.csv	KNN	0.6718	0.4583
pageb_benchmark_0219.csv	PCA	0.6322	0.4479
pageb_benchmark_0219.csv	LOF	0.6527	0.4792
pageb_benchmark_0995.csv	KNN	0.8383	0.1364
pageb_benchmark_0995.csv	PCA	0.89	0.2
pageb_benchmark_0995.csv	LOF	0.8979	0.1556
pageb_benchmark_0118.csv	KNN	0.6242	0.121
pageb_benchmark_0118.csv	PCA	0.7065	0.1146
pageb_benchmark_0118.csv	LOF	0.621	0.121
pageb_benchmark_1529.csv	KNN	0.7754	0.3659
pageb_benchmark_1529.csv	PCA	0.8673	0.315
pageb_benchmark_1529.csv	LOF	0.6985	0.3496
pageb_benchmark_1296.csv	KNN	0.7237	0.1459
pageb_benchmark_1296.csv	PCA	0.744	0.1545
pageb_benchmark_1296.csv	LOF	0.701	0.1674
pageb_benchmark_1240.csv	KNN	0.7654	0.206
pageb_benchmark_1240.csv	PCA	0.764	0.2189
pageb_benchmark_1240.csv	LOF	0.7585	0.2275
pageb_benchmark_1214.csv	KNN	0.8092	0.2661
pageb_benchmark_1214.csv	PCA	0.8357	0.2918
pageb_benchmark_1214.csv	LOF	0.7691	0.2532
pageb_benchmark_1673.csv	KNN	0.6009	0.0769
pageb_benchmark_1673.csv	PCA	0.6748	0.1538
pageb_benchmark_1673.csv	LOF	0.6185	0.1154
pageb_benchmark_1605.csv	KNN	0.5933	0.2045
pageb_benchmark_1605.csv	PCA	0.8679	0.2236
pageb_benchmark_1605.csv	LOF	0.676	0.2812
pageb_benchmark_1269.csv	KNN	0.8241	0.3476
pageb_benchmark_1269.csv	PCA	0.8856	0.3519
pageb_benchmark_1269.csv	LOF	0.7721	0.3519
pageb_benchmark_0139.csv	KNN	0.6458	0.3065
pageb_benchmark_0139.csv	PCA	0.6835	0.3065
pageb_benchmark_0139.csv	LOF	0.6647	0.3065
pageb_benchmark_1288.csv	KNN	0.8643	0.3348
pageb_benchmark_1288.csv	PCA	0.8674	0.2747
pageb_benchmark_1288.csv	LOF	0.7706	0.2918
pageb_benchmark_0334.csv	KNN	0.822	0.4
pageb_benchmark_0334.csv	PCA	0.8442	0.6
pageb_benchmark_0334.csv	LOF	0.8594	0.4
pageb_benchmark_0352.csv	KNN	0.7914	0.0
pageb_benchmark_0352.csv	PCA	0.8694	0.0
pageb_benchmark_0352.csv	LOF	0.8972	0.0

pageb_benchmark_0966.csv	KNN	0.8561	0.1778
pageb_benchmark_0966.csv	PCA	0.8766	0.1778
pageb_benchmark_0966.csv	LOF	0.9095	0.2
pageb_benchmark_1286.csv	KNN	0.8534	0.3391
pageb_benchmark_1286.csv	PCA	0.8798	0.2704
pageb_benchmark_1286.csv	LOF	0.7628	0.3176
pageb_benchmark_0389.csv	KNN	0.8946	0.0
pageb_benchmark_0389.csv	PCA	0.8613	0.0
pageb_benchmark_0389.csv	LOF	0.9036	0.0
pageb_benchmark_0682.csv	KNN	0.8973	0.3043
pageb_benchmark_0682.csv	PCA	0.9351	0.2174
pageb_benchmark_0682.csv	LOF	0.8984	0.2609
pageb_benchmark_0672.csv	KNN	0.8705	0.1304
pageb_benchmark_0672.csv	PCA	0.8859	0.1739
pageb_benchmark_0672.csv	LOF	0.9296	0.1739
pageb_benchmark_0928.csv	KNN	0.9231	0.3778
pageb_benchmark_0928.csv	PCA	0.9345	0.3556
pageb_benchmark_0928.csv	LOF	0.9127	0.3556
pageb_benchmark_0066.csv	KNN	0.8023	0.3678
pageb_benchmark_0066.csv	PCA	0.8566	0.37
pageb_benchmark_0066.csv	LOF	0.718	0.315
pageb_benchmark_0063.csv	KNN	0.7891	0.455
pageb_benchmark_0063.csv	PCA	0.9087	0.4952
pageb_benchmark_0063.csv	LOF	0.7339	0.3531
pageb_benchmark_0181.csv	KNN	0.777	0.5833
pageb_benchmark_0181.csv	PCA	0.8178	0.625
pageb_benchmark_0181.csv	LOF	0.7633	0.6354
pageb_benchmark_0225.csv	KNN	0.6641	0.4035
pageb_benchmark_0225.csv	PCA	0.6858	0.4211
pageb_benchmark_0225.csv	LOF	0.6588	0.4561
pageb_benchmark_0697.csv	KNN	0.6906	0.0435
pageb_benchmark_0697.csv	PCA	0.7893	0.0435
pageb_benchmark_0697.csv	LOF	0.7642	0.0435
pageb_benchmark_0304.csv	KNN	0.9668	0.4
pageb_benchmark_0304.csv	PCA	0.9739	0.2
pageb_benchmark_0304.csv	LOF	0.9192	0.0
pageb_benchmark_0671.csv	KNN	0.879	0.087
pageb_benchmark_0671.csv	PCA	0.8797	0.1304
pageb_benchmark_0671.csv	LOF	0.8999	0.1739
pageb_benchmark_0047.csv	KNN	0.7194	0.1603
pageb_benchmark_0047.csv	PCA	0.8362	0.141
pageb_benchmark_0047.csv	LOF	0.6724	0.2115
pageb_benchmark_0089.csv	KNN	0.8329	0.4115
pageb_benchmark_0089.csv	PCA	0.851	0.3689
pageb_benchmark_0089.csv	LOF	0.7354	0.3561
pageb_benchmark_0242.csv	KNN	0.7132	0.5882
pageb_benchmark_0242.csv	PCA	0.7282	0.6588
pageb_benchmark_0242.csv	LOF	0.7339	0.6353
pageb_benchmark_0320.csv	KNN	0.7313	0.0
pageb_benchmark_0320.csv	PCA	0.7857	0.0
pageb_benchmark_0320.csv	LOF	0.7211	0.0
pageb_benchmark_1251.csv	KNN	0.7326	0.1159
pageb_benchmark_1251.csv	PCA	0.809	0.1202
pageb_benchmark_1251.csv	LOF	0.7208	0.1631
pageb_benchmark_0177.csv	KNN	0.564	0.2165
pageb_benchmark_0177.csv	PCA	0.6107	0.2474
pageb_benchmark_0177.csv	LOF	0.5692	0.2165

pageb_benchmark_0298.csv	KNN	0.5092	0.4615
pageb_benchmark_0298.csv	PCA	0.5611	0.5
pageb_benchmark_0298.csv	LOF	0.4919	0.4615
pageb_benchmark_1235.csv	KNN	0.8213	0.2918
pageb_benchmark_1235.csv	PCA	0.8331	0.2489
pageb_benchmark_1235.csv	LOF	0.797	0.2747
pageb_benchmark_0639.csv	KNN	0.897	0.4783
pageb_benchmark_0639.csv	PCA	0.9082	0.4783
pageb_benchmark_0639.csv	LOF	0.9225	0.4783
pageb_benchmark_0002.csv	KNN	0.7771	0.4427
pageb_benchmark_0002.csv	PCA	0.904	0.5011
pageb_benchmark_0002.csv	LOF	0.7273	0.3753
pageb_benchmark_1018.csv	KNN	0.6403	0.0
pageb_benchmark_1018.csv	PCA	0.7055	0.0
pageb_benchmark_1018.csv	LOF	0.7165	0.0222
pageb_benchmark_1314.csv	KNN	0.6864	0.073
pageb_benchmark_1314.csv	PCA	0.8033	0.1202
pageb_benchmark_1314.csv	LOF	0.6352	0.1416
pageb_benchmark_0241.csv	KNN	0.6979	0.6
pageb_benchmark_0241.csv	PCA	0.7108	0.6471
pageb_benchmark_0241.csv	LOF	0.7386	0.6941
pageb_benchmark_0135.csv	KNN	0.7226	0.3676
pageb_benchmark_0135.csv	PCA	0.7568	0.4118
pageb_benchmark_0135.csv	LOF	0.7249	0.3897
pageb_benchmark_0183.csv	KNN	0.7813	0.6562
pageb_benchmark_0183.csv	PCA	0.8184	0.6667
pageb_benchmark_0183.csv	LOF	0.7976	0.6458
pageb_benchmark_0236.csv	KNN	0.5612	0.3797
pageb_benchmark_0236.csv	PCA	0.5874	0.3291
pageb_benchmark_0236.csv	LOF	0.5741	0.3671
pageb_benchmark_1527.csv	KNN	0.8038	0.3679
pageb_benchmark_1527.csv	PCA	0.8395	0.3496
pageb_benchmark_1527.csv	LOF	0.7392	0.3455
pageb_benchmark_1599.csv	KNN	0.729	0.2642
pageb_benchmark_1599.csv	PCA	0.7332	0.2114
pageb_benchmark_1599.csv	LOF	0.6388	0.1931
pageb_benchmark_0321.csv	KNN	0.9866	0.6
pageb_benchmark_0321.csv	PCA	0.9821	0.6
pageb_benchmark_0321.csv	LOF	0.9748	0.6
pageb_benchmark_1664.csv	KNN	0.9778	0.6
pageb_benchmark_1664.csv	PCA	0.8533	0.2
pageb_benchmark_1664.csv	LOF	0.9778	0.8
pageb_benchmark_0146.csv	KNN	0.7863	0.4351
pageb_benchmark_0146.csv	PCA	0.8088	0.4427
pageb_benchmark_0146.csv	LOF	0.7386	0.4122
pageb_benchmark_0708.csv	KNN	0.886	0.0435
pageb_benchmark_0708.csv	PCA	0.9024	0.0435
pageb_benchmark_0708.csv	LOF	0.8994	0.087
pageb_benchmark_0255.csv	KNN	0.6147	0.5833
pageb_benchmark_0255.csv	PCA	0.6332	0.5714
pageb_benchmark_0255.csv	LOF	0.6241	0.5833
pageb_benchmark_1246.csv	KNN	0.8414	0.2222
pageb_benchmark_1246.csv	PCA	0.9587	0.3889
pageb_benchmark_1246.csv	LOF	0.3835	0.0278
pageb_benchmark_1079.csv	KNN	0.9471	0.0
pageb_benchmark_1079.csv	PCA	0.9022	0.0
pageb_benchmark_1079.csv	LOF	0.9151	0.0

pageb_benchmark_1670.csv	KNN	0.7148	0.18
pageb_benchmark_1670.csv	PCA	0.7623	0.2
pageb_benchmark_1670.csv	LOF	0.7255	0.22
pageb_benchmark_0347.csv	KNN	0.77	0.0
pageb_benchmark_0347.csv	PCA	0.8621	0.0
pageb_benchmark_0347.csv	LOF	0.839	0.0
pageb_benchmark_0131.csv	KNN	0.7138	0.375
pageb_benchmark_0131.csv	PCA	0.7246	0.3281
pageb_benchmark_0131.csv	LOF	0.7338	0.3594
pageb_benchmark_0360.csv	KNN	0.9183	0.0
pageb_benchmark_0360.csv	PCA	0.9609	0.0
pageb_benchmark_0360.csv	LOF	0.9586	0.0
pageb_benchmark_0049.csv	KNN	0.6675	0.1614
pageb_benchmark_0049.csv	PCA	0.8431	0.1519
pageb_benchmark_0049.csv	LOF	0.6633	0.2057
pageb_benchmark_1258.csv	KNN	0.6397	0.0515
pageb_benchmark_1258.csv	PCA	0.7168	0.0601
pageb_benchmark_1258.csv	LOF	0.6468	0.0858
pageb_benchmark_1261.csv	KNN	0.8189	0.4421
pageb_benchmark_1261.csv	PCA	0.9115	0.279
pageb_benchmark_1261.csv	LOF	0.7878	0.3562
pageb_benchmark_0384.csv	KNN	0.9805	0.0
pageb_benchmark_0384.csv	PCA	0.9557	0.0
pageb_benchmark_0384.csv	LOF	0.9759	0.0
pageb_benchmark_0707.csv	KNN	0.8744	0.0
pageb_benchmark_0707.csv	PCA	0.9261	0.0
pageb_benchmark_0707.csv	LOF	0.7729	0.0435
pageb_benchmark_0343.csv	KNN	0.477	0.0
pageb_benchmark_0343.csv	PCA	0.929	0.0
pageb_benchmark_0343.csv	LOF	0.6035	0.0
pageb_benchmark_1514.csv	KNN	0.7738	0.3252
pageb_benchmark_1514.csv	PCA	0.7893	0.3049
pageb_benchmark_1514.csv	LOF	0.6917	0.2907
pageb_benchmark_0031.csv	KNN	0.809	0.3991
pageb_benchmark_0031.csv	PCA	0.7994	0.337
pageb_benchmark_0031.csv	LOF	0.7182	0.2927
pageb_benchmark_1533.csv	KNN	0.7499	0.2927
pageb_benchmark_1533.csv	PCA	0.8003	0.2927
pageb_benchmark_1533.csv	LOF	0.662	0.2846
pageb_benchmark_0073.csv	KNN	0.7737	0.3216
pageb_benchmark_0073.csv	PCA	0.7957	0.305
pageb_benchmark_0073.csv	LOF	0.6563	0.2635
pageb_benchmark_1556.csv	KNN	0.6056	0.119
pageb_benchmark_1556.csv	PCA	0.6965	0.1479
pageb_benchmark_1556.csv	LOF	0.5724	0.1093
pageb_benchmark_1677.csv	KNN	0.5565	0.0377
pageb_benchmark_1677.csv	PCA	0.5821	0.0566
pageb_benchmark_1677.csv	LOF	0.5791	0.0377
pageb_benchmark_1507.csv	KNN	0.8028	0.3841
pageb_benchmark_1507.csv	PCA	0.8566	0.3537
pageb_benchmark_1507.csv	LOF	0.7079	0.3191
pageb_benchmark_1596.csv	KNN	0.7262	0.252
pageb_benchmark_1596.csv	PCA	0.7263	0.2398
pageb_benchmark_1596.csv	LOF	0.6759	0.2419
pageb_benchmark_0917.csv	KNN	0.7326	0.0889
pageb_benchmark_0917.csv	PCA	0.7738	0.1333
pageb_benchmark_0917.csv	LOF	0.7767	0.0667

pageb_benchmark_0174.csv	KNN	0.6372	0.2651
pageb_benchmark_0174.csv	PCA	0.6991	0.2771
pageb_benchmark_0174.csv	LOF	0.6277	0.241
pageb_benchmark_0632.csv	KNN	0.9178	0.4783
pageb_benchmark_0632.csv	PCA	0.9212	0.5217
pageb_benchmark_0632.csv	LOF	0.9356	0.5217
pageb_benchmark_0254.csv	KNN	0.6321	0.5595
pageb_benchmark_0254.csv	PCA	0.615	0.5357
pageb_benchmark_0254.csv	LOF	0.631	0.5714
pageb_benchmark_0108.csv	KNN	0.7012	0.1314
pageb_benchmark_0108.csv	PCA	0.845	0.1442
pageb_benchmark_0108.csv	LOF	0.6625	0.1923
pageb_benchmark_0969.csv	KNN	0.9202	0.2444
pageb_benchmark_0969.csv	PCA	0.9099	0.2444
pageb_benchmark_0969.csv	LOF	0.9177	0.2
pageb_benchmark_1548.csv	KNN	0.7059	0.181
pageb_benchmark_1548.csv	PCA	0.7762	0.1381
pageb_benchmark_1548.csv	LOF	0.7272	0.2095
pageb_benchmark_0710.csv	KNN	0.8711	0.0
pageb_benchmark_0710.csv	PCA	0.8878	0.0
pageb_benchmark_0710.csv	LOF	0.7973	0.087
pageb_benchmark_0117.csv	KNN	0.6213	0.0865
pageb_benchmark_0117.csv	PCA	0.6982	0.1218
pageb_benchmark_0117.csv	LOF	0.62	0.125
pageb_benchmark_0101.csv	KNN	0.7768	0.2533
pageb_benchmark_0101.csv	PCA	0.8202	0.083
pageb_benchmark_0101.csv	LOF	0.7542	0.2009
pageb_benchmark_1274.csv	KNN	0.8089	0.2489
pageb_benchmark_1274.csv	PCA	0.8268	0.279
pageb_benchmark_1274.csv	LOF	0.746	0.1974
pageb_benchmark_0971.csv	KNN	0.8447	0.0889
pageb_benchmark_0971.csv	PCA	0.8679	0.1333
pageb_benchmark_0971.csv	LOF	0.8925	0.1778
pageb_benchmark_1574.csv	KNN	0.7907	0.3171
pageb_benchmark_1574.csv	PCA	0.7899	0.2785
pageb_benchmark_1574.csv	LOF	0.6787	0.2642
pageb_benchmark_0010.csv	KNN	0.825	0.3804
pageb_benchmark_0010.csv	PCA	0.8621	0.3652
pageb_benchmark_0010.csv	LOF	0.7138	0.3717
pageb_benchmark_1210.csv	KNN	0.8345	0.3262
pageb_benchmark_1210.csv	PCA	0.8759	0.279
pageb_benchmark_1210.csv	LOF	0.7676	0.3133
pageb_benchmark_1272.csv	KNN	0.8214	0.2146
pageb_benchmark_1272.csv	PCA	0.828	0.2446
pageb_benchmark_1272.csv	LOF	0.7732	0.2232
pageb_benchmark_0104.csv	KNN	0.611	0.1912
pageb_benchmark_0104.csv	PCA	0.8686	0.163
pageb_benchmark_0104.csv	LOF	0.6688	0.2602
pageb_benchmark_1318.csv	KNN	0.5822	0.0576
pageb_benchmark_1318.csv	PCA	0.6459	0.0576
pageb_benchmark_1318.csv	LOF	0.6386	0.0733
pageb_benchmark_1319.csv	KNN	0.6739	0.025
pageb_benchmark_1319.csv	PCA	0.8637	0.1
pageb_benchmark_1319.csv	LOF	0.2439	0.025
pageb_benchmark_0636.csv	KNN	0.8292	0.3913
pageb_benchmark_0636.csv	PCA	0.8402	0.3913
pageb_benchmark_0636.csv	LOF	0.8544	0.3913

pageb_benchmark_1552.csv	KNN	1.0	1.0	
pageb_benchmark_1552.csv	PCA	1.0	1.0	
pageb_benchmark_1552.csv	LOF	0.0417	0.0	
pageb_benchmark_0991.csv	KNN	0.7571	0.0667	
pageb_benchmark_0991.csv	PCA	0.8498	0.1111	
pageb_benchmark_0991.csv	LOF	0.7686	0.1333	
pageb_benchmark_0044.csv	KNN	0.6095	0.1987	
pageb_benchmark_0044.csv	PCA	0.8684	0.1693	
pageb_benchmark_0044.csv	LOF	0.6773	0.262	
pageb_benchmark_1287.csv	KNN	0.8467	0.3219	
pageb_benchmark_1287.csv	PCA	0.8736	0.2661	
pageb_benchmark_1287.csv	LOF	0.7747	0.3133	
pageb_benchmark_0012.csv	KNN	0.7594	0.2677	
pageb_benchmark_0012.csv	PCA	0.7936	0.2677	
pageb_benchmark_0012.csv	LOF	0.6729	0.2632	
pageb_benchmark_1256.csv	KNN	0.5782	0.0383	
pageb_benchmark_1256.csv	PCA	0.6537	0.0526	
pageb_benchmark_1256.csv	LOF	0.6348	0.0478	
pageb_benchmark_0362.csv	KNN	0.971	0.0	
pageb_benchmark_0362.csv	PCA	0.945	0.0	
pageb_benchmark_0362.csv	LOF	0.9168	0.0	
pageb_benchmark_0207.csv	KNN	0.7328	0.5474	
pageb_benchmark_0207.csv	PCA	0.737	0.5158	
pageb_benchmark_0207.csv	LOF	0.7241	0.5579	
pageb_benchmark_0367.csv	KNN	0.8495	0.0	
pageb_benchmark_0367.csv	PCA	0.9169	0.0	
pageb_benchmark_0367.csv	LOF	0.8932	0.0	
pageb_benchmark_0205.csv	KNN	0.7728	0.5957	
pageb_benchmark_0205.csv	PCA	0.8303	0.6344	
pageb_benchmark_0205.csv	LOF	0.7898	0.6702	
pageb_benchmark_0357.csv	KNN	0.7192	0.0	
pageb_benchmark_0357.csv	PCA	0.8274	0.0	
pageb_benchmark_0357.csv	LOF	0.6762	0.0	
pageb_benchmark_1242.csv	KNN	0.6303	0.1674	
pageb_benchmark_1242.csv	PCA	0.8922	0.1373	
pageb_benchmark_1242.csv	LOF	0.6921	0.2489	
pageb_benchmark_0102.csv	KNN	0.6103	0.1905	
pageb_benchmark_0102.csv	PCA	0.8693	0.1614	
pageb_benchmark_0102.csv	LOF	0.6781	0.25	
pageb_benchmark_0329.csv	KNN	0.7567	0.4	
pageb_benchmark_0329.csv	PCA	0.8697	0.4	
pageb_benchmark_0329.csv	LOF	0.8062	0.4	
pageb_benchmark_1311.csv	KNN	0.7341	0.1073	
pageb_benchmark_1311.csv	PCA	0.8178	0.133	
pageb_benchmark_1311.csv	LOF	0.6804	0.1159	
pageb_benchmark_0629.csv	KNN	0.9537	0.4783	
pageb_benchmark_0629.csv	PCA	0.9509	0.4783	
pageb_benchmark_0629.csv	LOF	0.968	0.4783	
pageb_benchmark_1208.csv	KNN	0.8577	0.3562	
pageb_benchmark_1208.csv	PCA	0.8953	0.3348	
pageb_benchmark_1208.csv	LOF	0.7344	0.2833	
pageb_benchmark_0091.csv	KNN	0.7649	0.3464	
pageb_benchmark_0091.csv	PCA	0.8109	0.366	
pageb_benchmark_0091.csv	LOF	0.7049	0.2985	
pageb_benchmark_0401.csv	KNN	0.9834	0.0	
pageb_benchmark_0401.csv	PCA	0.9525	0.0	
pageb_benchmark_0401.csv	LOF	0.937	0.0	

pageb_benchmark_0125.csv	KNN	0.7322	0.4676
pageb_benchmark_0125.csv	PCA	0.8506	0.482
pageb_benchmark_0125.csv	LOF	0.7638	0.5396
pageb_benchmark_0938.csv	KNN	0.8296	0.2889
pageb_benchmark_0938.csv	PCA	0.8366	0.2889
pageb_benchmark_0938.csv	LOF	0.8888	0.2889
pageb_benchmark_0311.csv	KNN	0.8288	0.0
pageb_benchmark_0311.csv	PCA	0.9104	0.0
pageb_benchmark_0311.csv	LOF	0.8396	0.0
pageb_benchmark_0338.csv	KNN	0.9605	0.4
pageb_benchmark_0338.csv	PCA	0.9494	0.6
pageb_benchmark_0338.csv	LOF	0.9844	0.4
pageb_benchmark_0171.csv	KNN	0.6463	0.2889
pageb_benchmark_0171.csv	PCA	0.6879	0.2111
pageb_benchmark_0171.csv	LOF	0.6449	0.2889
pageb_benchmark_1267.csv	KNN	0.8184	0.3262
pageb_benchmark_1267.csv	PCA	0.8903	0.3047
pageb_benchmark_1267.csv	LOF	0.7388	0.2876
pageb_benchmark_0619.csv	KNN	0.796	0.087
pageb_benchmark_0619.csv	PCA	0.8542	0.087
pageb_benchmark_0619.csv	LOF	0.8203	0.087
pageb_benchmark_0972.csv	KNN	0.8355	0.0444
pageb_benchmark_0972.csv	PCA	0.896	0.0889
pageb_benchmark_0972.csv	LOF	0.8426	0.0667
pageb_benchmark_1570.csv	KNN	0.7791	0.3496
pageb_benchmark_1570.csv	PCA	0.8676	0.311
pageb_benchmark_1570.csv	LOF	0.6984	0.3232
pageb_benchmark_1528.csv	KNN	0.8155	0.4004
pageb_benchmark_1528.csv	PCA	0.855	0.376
pageb_benchmark_1528.csv	LOF	0.7427	0.374
pageb_benchmark_0331.csv	KNN	0.9327	0.4
pageb_benchmark_0331.csv	PCA	0.8905	0.4
pageb_benchmark_0331.csv	LOF	0.9675	0.4
pageb_benchmark_0160.csv	KNN	0.6466	0.3712
pageb_benchmark_0160.csv	PCA	0.6674	0.3409
pageb_benchmark_0160.csv	LOF	0.6541	0.3485
pageb_benchmark_0359.csv	KNN	0.3463	0.0
pageb_benchmark_0359.csv	PCA	0.4566	0.0
pageb_benchmark_0359.csv	LOF	0.2942	0.0
pageb_benchmark_1223.csv	KNN	0.8153	0.4979
pageb_benchmark_1223.csv	PCA	0.9235	0.3391
pageb_benchmark_1223.csv	LOF	0.8285	0.3734
pageb_benchmark_0240.csv	KNN	0.554	0.2727
pageb_benchmark_0240.csv	PCA	0.5686	0.3091
pageb_benchmark_0240.csv	LOF	0.5347	0.2727
pageb_benchmark_1305.csv	KNN	0.638	0.1116
pageb_benchmark_1305.csv	PCA	0.8905	0.1416
pageb_benchmark_1305.csv	LOF	0.6772	0.2189
pageb_benchmark_0400.csv	KNN	0.9108	0.0
pageb_benchmark_0400.csv	PCA	0.962	0.0
pageb_benchmark_0400.csv	LOF	0.9529	0.0
pageb_benchmark_0420.csv	KNN	0.9793	0.0
pageb_benchmark_0420.csv	PCA	0.9897	0.0
pageb_benchmark_0420.csv	LOF	0.9816	0.0
pageb_benchmark_0366.csv	KNN	0.8645	0.0
pageb_benchmark_0366.csv	PCA	0.8766	0.0
pageb_benchmark_0366.csv	LOF	0.8647	0.0

pageb_benchmark_0127.csv	KNN	0.7421	0.4463
pageb_benchmark_0127.csv	PCA	0.805	0.4262
pageb_benchmark_0127.csv	LOF	0.7385	0.4344
pageb_benchmark_0653.csv	KNN	0.779	0.0
pageb_benchmark_0653.csv	PCA	0.8635	0.0435
pageb_benchmark_0653.csv	LOF	0.8496	0.0
pageb_benchmark_0406.csv	KNN	0.7854	0.0
pageb_benchmark_0406.csv	PCA	0.828	0.0
pageb_benchmark_0406.csv	LOF	0.7533	0.0
pageb_benchmark_0913.csv	KNN	0.8072	0.0444
pageb_benchmark_0913.csv	PCA	0.8624	0.0667
pageb_benchmark_0913.csv	LOF	0.8205	0.1111
pageb_benchmark_1513.csv	KNN	0.7818	0.3415
pageb_benchmark_1513.csv	PCA	0.7947	0.3272
pageb_benchmark_1513.csv	LOF	0.698	0.3171
pageb_benchmark_1290.csv	KNN	0.8368	0.3047
pageb_benchmark_1290.csv	PCA	0.865	0.2275
pageb_benchmark_1290.csv	LOF	0.7301	0.2618
pageb_benchmark_0720.csv	KNN	0.8359	0.0
pageb_benchmark_0720.csv	PCA	0.9641	0.0
pageb_benchmark_0720.csv	LOF	0.2522	0.0
pageb_benchmark_0026.csv	KNN	0.8251	0.4205
pageb_benchmark_0026.csv	PCA	0.8431	0.3943
pageb_benchmark_0026.csv	LOF	0.7294	0.3704
pageb_benchmark_1609.csv	KNN	0.6664	0.1804
pageb_benchmark_1609.csv	PCA	0.8162	0.1582
pageb_benchmark_1609.csv	LOF	0.6379	0.2468
pageb_benchmark_0364.csv	KNN	0.8515	0.2
pageb_benchmark_0364.csv	PCA	0.8715	0.2
pageb_benchmark_0364.csv	LOF	0.894	0.0
pageb_benchmark_0996.csv	KNN	0.7077	0.0222
pageb_benchmark_0996.csv	PCA	0.791	0.0667
pageb_benchmark_0996.csv	LOF	0.7619	0.0222
pageb_benchmark_1201.csv	KNN	0.8222	0.4506
pageb_benchmark_1201.csv	PCA	0.9066	0.2618
pageb_benchmark_1201.csv	LOF	0.7825	0.3519
pageb_benchmark_1004.csv	KNN	0.8207	0.0625
pageb_benchmark_1004.csv	PCA	0.8138	0.0
pageb_benchmark_1004.csv	LOF	0.82	0.125
pageb_benchmark_0155.csv	KNN	0.7367	0.3876
pageb_benchmark_0155.csv	PCA	0.751	0.3953
pageb_benchmark_0155.csv	LOF	0.7313	0.3798
pageb_benchmark_0081.csv	KNN	0.7671	0.4515
pageb_benchmark_0081.csv	PCA	0.9017	0.4868
pageb_benchmark_0081.csv	LOF	0.7346	0.3304
pageb_benchmark_0078.csv	KNN	0.7283	0.2598
pageb_benchmark_0078.csv	PCA	0.7263	0.2489
pageb_benchmark_0078.csv	LOF	0.6706	0.2424
pageb_benchmark_0608.csv	KNN	0.899	0.087
pageb_benchmark_0608.csv	PCA	0.9118	0.1304
pageb_benchmark_0608.csv	LOF	0.9478	0.1304
pageb_benchmark_0951.csv	KNN	0.7658	0.0
pageb_benchmark_0951.csv	PCA	0.81	0.0
pageb_benchmark_0951.csv	LOF	0.786	0.0
pageb_benchmark_0961.csv	KNN	0.9223	0.2889
pageb_benchmark_0961.csv	PCA	0.9329	0.2667
pageb_benchmark_0961.csv	LOF	0.8698	0.3111

pageb_benchmark_0045.csv	KNN	0.6158	0.1871
pageb_benchmark_0045.csv	PCA	0.8746	0.1581
pageb_benchmark_0045.csv	LOF	0.6702	0.2484
pageb_benchmark_1668.csv	KNN	0.7022	0.1569
pageb_benchmark_1668.csv	PCA	0.752	0.0784
pageb_benchmark_1668.csv	LOF	0.6999	0.098
pageb_benchmark_0719.csv	KNN	0.6339	0.0
pageb_benchmark_0719.csv	PCA	0.7391	0.0
pageb_benchmark_0719.csv	LOF	0.6992	0.0
pageb_benchmark_0169.csv	KNN	0.6327	0.2405
pageb_benchmark_0169.csv	PCA	0.7588	0.1899
pageb_benchmark_0169.csv	LOF	0.6306	0.2405
pageb_benchmark_1265.csv	KNN	0.8218	0.4506
pageb_benchmark_1265.csv	PCA	0.9254	0.3734
pageb_benchmark_1265.csv	LOF	0.7703	0.3648
pageb_benchmark_0095.csv	KNN	0.7861	0.3753
pageb_benchmark_0095.csv	PCA	0.7934	0.3438
pageb_benchmark_0095.csv	LOF	0.7229	0.3281
pageb_benchmark_0232.csv	KNN	0.5548	0.3077
pageb_benchmark_0232.csv	PCA	0.5716	0.3692
pageb_benchmark_0232.csv	LOF	0.564	0.3538
pageb_benchmark_1598.csv	KNN	0.7252	0.2541
pageb_benchmark_1598.csv	PCA	0.7308	0.2561
pageb_benchmark_1598.csv	LOF	0.6488	0.2378
pageb_benchmark_0685.csv	KNN	0.8126	0.2174
pageb_benchmark_0685.csv	PCA	0.9227	0.1304
pageb_benchmark_0685.csv	LOF	0.8064	0.1739
pageb_benchmark_1216.csv	KNN	0.7447	0.1717
pageb_benchmark_1216.csv	PCA	0.7597	0.2017
pageb_benchmark_1216.csv	LOF	0.7339	0.1717
pageb_benchmark_0071.csv	KNN	0.7675	0.3211
pageb_benchmark_0071.csv	PCA	0.8084	0.2909
pageb_benchmark_0071.csv	LOF	0.6724	0.2866
pageb_benchmark_1676.csv	KNN	0.4828	0.0556
pageb_benchmark_1676.csv	PCA	0.5407	0.0741
pageb_benchmark_1676.csv	LOF	0.5001	0.0556
pageb_benchmark_1565.csv	KNN	0.7782	0.4512
pageb_benchmark_1565.csv	PCA	0.903	0.4959
pageb_benchmark_1565.csv	LOF	0.7433	0.3801
pageb_benchmark_0980.csv	KNN	0.8065	0.0444
pageb_benchmark_0980.csv	PCA	0.8365	0.0889
pageb_benchmark_0980.csv	LOF	0.8595	0.0444
pageb_benchmark_0283.csv	KNN	0.627	0.5
pageb_benchmark_0283.csv	PCA	0.6112	0.5172
pageb_benchmark_0283.csv	LOF	0.6148	0.5345
pageb_benchmark_0986.csv	KNN	0.8964	0.2222
pageb_benchmark_0986.csv	PCA	0.9085	0.2
pageb_benchmark_0986.csv	LOF	0.8981	0.1111
pageb_benchmark_0064.csv	KNN	0.7687	0.444
pageb_benchmark_0064.csv	PCA	0.9056	0.5032
pageb_benchmark_0064.csv	LOF	0.7257	0.3636
pageb_benchmark_0260.csv	KNN	0.6132	0.5747
pageb_benchmark_0260.csv	PCA	0.581	0.5517
pageb_benchmark_0260.csv	LOF	0.5976	0.5402
pageb_benchmark_0034.csv	KNN	0.7639	0.3235
pageb_benchmark_0034.csv	PCA	0.7962	0.319
pageb_benchmark_0034.csv	LOF	0.6963	0.2738

pageb_benchmark_0664.csv	KNN	0.8263	0.1304
pageb_benchmark_0664.csv	PCA	0.926	0.087
pageb_benchmark_0664.csv	LOF	0.6897	0.1739
pageb_benchmark_1610.csv	KNN	0.7591	0.3415
pageb_benchmark_1610.csv	PCA	0.9261	0.3902
pageb_benchmark_1610.csv	LOF	0.3115	0.0244
pageb_benchmark_0693.csv	KNN	0.8251	0.0435
pageb_benchmark_0693.csv	PCA	0.8631	0.087
pageb_benchmark_0693.csv	LOF	0.8768	0.0435
pageb_benchmark_0613.csv	KNN	0.8417	0.087
pageb_benchmark_0613.csv	PCA	0.8667	0.1739
pageb_benchmark_0613.csv	LOF	0.8775	0.087
pageb_benchmark_0609.csv	KNN	0.9397	0.1304
pageb_benchmark_0609.csv	PCA	0.9385	0.1739
pageb_benchmark_0609.csv	LOF	0.9093	0.1739
pageb_benchmark_0612.csv	KNN	0.8354	0.0435
pageb_benchmark_0612.csv	PCA	0.8815	0.1304
pageb_benchmark_0612.csv	LOF	0.8802	0.0435
pageb_benchmark_0319.csv	KNN	0.7889	0.0
pageb_benchmark_0319.csv	PCA	0.8914	0.0
pageb_benchmark_0319.csv	LOF	0.8439	0.0
pageb_benchmark_1289.csv	KNN	0.8505	0.3648
pageb_benchmark_1289.csv	PCA	0.8807	0.2833
pageb_benchmark_1289.csv	LOF	0.7644	0.3262
pageb_benchmark_0692.csv	KNN	0.7735	0.087
pageb_benchmark_0692.csv	PCA	0.8371	0.1739
pageb_benchmark_0692.csv	LOF	0.8323	0.0435
pageb_benchmark_1566.csv	KNN	0.8253	0.4045
pageb_benchmark_1566.csv	PCA	0.8558	0.3659
pageb_benchmark_1566.csv	LOF	0.7395	0.3923
pageb_benchmark_0147.csv	KNN	0.7538	0.44
pageb_benchmark_0147.csv	PCA	0.8136	0.392
pageb_benchmark_0147.csv	LOF	0.7619	0.456
pageb_benchmark_0412.csv	KNN	0.891	0.0
pageb_benchmark_0412.csv	PCA	0.881	0.0
pageb_benchmark_0412.csv	LOF	0.9129	0.0
pageb_benchmark_0303.csv	KNN	0.9289	0.2
pageb_benchmark_0303.csv	PCA	0.9304	0.0
pageb_benchmark_0303.csv	LOF	0.8785	0.2
pageb_benchmark_0353.csv	KNN	0.9833	0.0
pageb_benchmark_0353.csv	PCA	0.9821	0.0
pageb_benchmark_0353.csv	LOF	0.9904	0.0
pageb_benchmark_0704.csv	KNN	0.8357	0.0
pageb_benchmark_0704.csv	PCA	0.8394	0.0435
pageb_benchmark_0704.csv	LOF	0.8589	0.2609
pageb_benchmark_0990.csv	KNN	0.8844	0.2
pageb_benchmark_0990.csv	PCA	0.8841	0.1778
pageb_benchmark_0990.csv	LOF	0.9205	0.2667
pageb_benchmark_0950.csv	KNN	0.8193	0.0444
pageb_benchmark_0950.csv	PCA	0.8811	0.0444
pageb_benchmark_0950.csv	LOF	0.8361	0.0667
pageb_benchmark_0294.csv	KNN	0.5094	0.4242
pageb_benchmark_0294.csv	PCA	0.5141	0.4242
pageb_benchmark_0294.csv	LOF	0.5487	0.4394
pageb_benchmark_0264.csv	KNN	0.6989	0.6098
pageb_benchmark_0264.csv	PCA	0.7068	0.6463
pageb_benchmark_0264.csv	LOF	0.7312	0.5976

pageb_benchmark_0930.csv	KNN	0.9256	0.4222
pageb_benchmark_0930.csv	PCA	0.916	0.4
pageb_benchmark_0930.csv	LOF	0.9239	0.4667
pageb_benchmark_1572.csv	KNN	0.7808	0.3476
pageb_benchmark_1572.csv	PCA	0.7952	0.313
pageb_benchmark_1572.csv	LOF	0.6919	0.2825
pageb_benchmark_0939.csv	KNN	0.8511	0.2667
pageb_benchmark_0939.csv	PCA	0.8674	0.2444
pageb_benchmark_0939.csv	LOF	0.8594	0.2889
pageb_benchmark_0415.csv	KNN	0.5582	0.0
pageb_benchmark_0415.csv	PCA	0.7487	0.0
pageb_benchmark_0415.csv	LOF	0.7187	0.0
pageb_benchmark_1264.csv	KNN	0.8015	0.4249
pageb_benchmark_1264.csv	PCA	0.9117	0.3047
pageb_benchmark_1264.csv	LOF	0.7943	0.382
pageb_benchmark_0001.csv	KNN	0.7771	0.4774
pageb_benchmark_0001.csv	PCA	0.9043	0.5011
pageb_benchmark_0001.csv	LOF	0.7379	0.3591
pageb_benchmark_1310.csv	KNN	0.7469	0.0936
pageb_benchmark_1310.csv	PCA	0.797	0.0542
pageb_benchmark_1310.csv	LOF	0.7821	0.1576
pageb_benchmark_0417.csv	KNN	0.6326	0.0
pageb_benchmark_0417.csv	PCA	0.6822	0.0
pageb_benchmark_0417.csv	LOF	0.6583	0.0
pageb_benchmark_0941.csv	KNN	0.8565	0.1351
pageb_benchmark_0941.csv	PCA	0.9917	0.3243
pageb_benchmark_0941.csv	LOF	0.5232	0.0811
pageb_benchmark_1553.csv	KNN	0.6541	0.1461
pageb_benchmark_1553.csv	PCA	0.7765	0.1656
pageb_benchmark_1553.csv	LOF	0.5967	0.1331
pageb_benchmark_0245.csv	KNN	0.7278	0.6118
pageb_benchmark_0245.csv	PCA	0.7578	0.6941
pageb_benchmark_0245.csv	LOF	0.7361	0.6588
pageb_benchmark_0358.csv	KNN	0.9283	0.0
pageb_benchmark_0358.csv	PCA	0.9717	0.0
pageb_benchmark_0358.csv	LOF	0.9725	0.0
pageb_benchmark_0007.csv	KNN	0.8248	0.4245
pageb_benchmark_0007.csv	PCA	0.853	0.372
pageb_benchmark_0007.csv	LOF	0.7444	0.3917
pageb_benchmark_1790.csv	KNN	1.0	1.0
pageb_benchmark_1790.csv	PCA	0.9877	0.6667
pageb_benchmark_1790.csv	LOF	1.0	1.0
pageb_benchmark_0244.csv	KNN	0.7113	0.5952
pageb_benchmark_0244.csv	PCA	0.6951	0.631
pageb_benchmark_0244.csv	LOF	0.7341	0.619
pageb_benchmark_0935.csv	KNN	0.9108	0.3556
pageb_benchmark_0935.csv	PCA	0.9224	0.3778
pageb_benchmark_0935.csv	LOF	0.938	0.3778
pageb_benchmark_1252.csv	KNN	0.6647	0.0794
pageb_benchmark_1252.csv	PCA	0.7199	0.0688
pageb_benchmark_1252.csv	LOF	0.7345	0.0952
pageb_benchmark_1308.csv	KNN	0.7825	0.1459
pageb_benchmark_1308.csv	PCA	0.8616	0.133
pageb_benchmark_1308.csv	LOF	0.7126	0.1803
pageb_benchmark_0386.csv	KNN	0.9675	0.4
pageb_benchmark_0386.csv	PCA	0.933	0.2
pageb_benchmark_0386.csv	LOF	0.975	0.2

pageb_benchmark_0296.csv	KNN	0.5498	0.4627
pageb_benchmark_0296.csv	PCA	0.5665	0.4776
pageb_benchmark_0296.csv	LOF	0.5633	0.4627
pageb_benchmark_0209.csv	KNN	0.7238	0.56
pageb_benchmark_0209.csv	PCA	0.7753	0.55
pageb_benchmark_0209.csv	LOF	0.7377	0.58
pageb_benchmark_0645.csv	KNN	0.9874	0.0
pageb_benchmark_0645.csv	PCA	0.9893	0.0
pageb_benchmark_0645.csv	LOF	0.9459	0.0
pageb_benchmark_0662.csv	KNN	0.9631	0.2609
pageb_benchmark_0662.csv	PCA	0.9497	0.1304
pageb_benchmark_0662.csv	LOF	0.9344	0.2609
pageb_benchmark_0923.csv	KNN	0.9019	0.4667
pageb_benchmark_0923.csv	PCA	0.9318	0.4222
pageb_benchmark_0923.csv	LOF	0.8905	0.4667
pageb_benchmark_1228.csv	KNN	0.8413	0.3262
pageb_benchmark_1228.csv	PCA	0.8798	0.2704
pageb_benchmark_1228.csv	LOF	0.7818	0.3391
pageb_benchmark_1255.csv	KNN	0.7843	0.1375
pageb_benchmark_1255.csv	PCA	0.8681	0.2375
pageb_benchmark_1255.csv	LOF	0.5666	0.1125
pageb_benchmark_0906.csv	KNN	0.8637	0.2889
pageb_benchmark_0906.csv	PCA	0.8859	0.2
pageb_benchmark_0906.csv	LOF	0.8914	0.3778
pageb_benchmark_1615.csv	KNN	0.6362	0.1014
pageb_benchmark_1615.csv	PCA	0.704	0.1106
pageb_benchmark_1615.csv	LOF	0.678	0.1475
pageb_benchmark_1245.csv	KNN	0.6335	0.1545
pageb_benchmark_1245.csv	PCA	0.888	0.1202
pageb_benchmark_1245.csv	LOF	0.7022	0.2275
pageb_benchmark_0959.csv	KNN	0.6568	0.0222
pageb_benchmark_0959.csv	PCA	0.7458	0.0
pageb_benchmark_0959.csv	LOF	0.7527	0.0222
pageb_benchmark_1304.csv	KNN	0.629	0.1631
pageb_benchmark_1304.csv	PCA	0.8902	0.1545
pageb_benchmark_1304.csv	LOF	0.6929	0.2489
pageb_benchmark_0280.csv	KNN	0.6743	0.5714
pageb_benchmark_0280.csv	PCA	0.6677	0.631
pageb_benchmark_0280.csv	LOF	0.6683	0.5714
pageb_benchmark_0713.csv	KNN	0.7783	0.0
pageb_benchmark_0713.csv	PCA	0.8333	0.0
pageb_benchmark_0713.csv	LOF	0.8533	0.0
pageb_benchmark_0265.csv	KNN	0.7028	0.5977
pageb_benchmark_0265.csv	PCA	0.7206	0.6782
pageb_benchmark_0265.csv	LOF	0.7447	0.6437
pageb_benchmark_0179.csv	KNN	0.5286	0.1461
pageb_benchmark_0179.csv	PCA	0.5772	0.191
pageb_benchmark_0179.csv	LOF	0.5505	0.1461
pageb_benchmark_0229.csv	KNN	0.5962	0.4516
pageb_benchmark_0229.csv	PCA	0.6104	0.4032
pageb_benchmark_0229.csv	LOF	0.6102	0.4677
pageb_benchmark_1213.csv	KNN	0.8114	0.2275
pageb_benchmark_1213.csv	PCA	0.8464	0.2489
pageb_benchmark_1213.csv	LOF	0.698	0.2232
pageb_benchmark_1233.csv	KNN	0.819	0.2918
pageb_benchmark_1233.csv	PCA	0.8294	0.2961
pageb_benchmark_1233.csv	LOF	0.7784	0.2747

pageb_benchmark_0121.csv	KNN	0.8102	0.5379
pageb_benchmark_0121.csv	PCA	0.8514	0.5076
pageb_benchmark_0121.csv	LOF	0.8027	0.5379
pageb_benchmark_1674.csv	KNN	0.6437	0.1154
pageb_benchmark_1674.csv	PCA	0.6983	0.2308
pageb_benchmark_1674.csv	LOF	0.679	0.1731
pageb_benchmark_1586.csv	KNN	0.784	0.3313
pageb_benchmark_1586.csv	PCA	0.8542	0.3374
pageb_benchmark_1586.csv	LOF	0.6976	0.3415
pageb_benchmark_1504.csv	KNN	0.774	0.4573
pageb_benchmark_1504.csv	PCA	0.9007	0.4837
pageb_benchmark_1504.csv	LOF	0.7429	0.374
pageb_benchmark_1307.csv	KNN	0.7537	0.0686
pageb_benchmark_1307.csv	PCA	0.797	0.0971
pageb_benchmark_1307.csv	LOF	0.7325	0.1257
pageb_benchmark_0335.csv	KNN	0.8959	0.4
pageb_benchmark_0335.csv	PCA	0.8711	0.4
pageb_benchmark_0335.csv	LOF	0.934	0.4
pageb_benchmark_0050.csv	KNN	0.6845	0.1317
pageb_benchmark_0050.csv	PCA	0.8329	0.163
pageb_benchmark_0050.csv	LOF	0.6503	0.1944
pageb_benchmark_0354.csv	KNN	0.7186	0.0
pageb_benchmark_0354.csv	PCA	0.7784	0.0
pageb_benchmark_0354.csv	LOF	0.8897	0.0
pageb_benchmark_1510.csv	KNN	0.8237	0.4106
pageb_benchmark_1510.csv	PCA	0.8596	0.3902
pageb_benchmark_1510.csv	LOF	0.744	0.3638
pageb_benchmark_0688.csv	KNN	0.9018	0.2174
pageb_benchmark_0688.csv	PCA	0.9195	0.2174
pageb_benchmark_0688.csv	LOF	0.911	0.2174
pageb_benchmark_1787.csv	KNN	1.0	1.0
pageb_benchmark_1787.csv	PCA	1.0	1.0
pageb_benchmark_1787.csv	LOF	1.0	1.0
pageb_benchmark_1280.csv	KNN	0.7231	0.176
pageb_benchmark_1280.csv	PCA	0.7618	0.2189
pageb_benchmark_1280.csv	LOF	0.7118	0.1974
pageb_benchmark_0243.csv	KNN	0.7138	0.5976
pageb_benchmark_0243.csv	PCA	0.7319	0.6585
pageb_benchmark_0243.csv	LOF	0.7585	0.6707
pageb_benchmark_1320.csv	KNN	0.6465	0.0773
pageb_benchmark_1320.csv	PCA	0.7239	0.0944
pageb_benchmark_1320.csv	LOF	0.6656	0.0901
pageb_benchmark_0306.csv	KNN	0.8477	0.0
pageb_benchmark_0306.csv	PCA	0.8926	0.0
pageb_benchmark_0306.csv	LOF	0.8779	0.0
pageb_benchmark_1503.csv	KNN	0.7675	0.4411
pageb_benchmark_1503.csv	PCA	0.8969	0.4756
pageb_benchmark_1503.csv	LOF	0.7419	0.3659
pageb_benchmark_0129.csv	KNN	0.7957	0.459
pageb_benchmark_0129.csv	PCA	0.8184	0.4262
pageb_benchmark_0129.csv	LOF	0.7908	0.4344
pageb_benchmark_0324.csv	KNN	0.9995	0.8
pageb_benchmark_0324.csv	PCA	0.991	0.8
pageb_benchmark_0324.csv	LOF	0.9998	0.8
pageb_benchmark_0351.csv	KNN	0.8082	0.0
pageb_benchmark_0351.csv	PCA	0.8543	0.0
pageb_benchmark_0351.csv	LOF	0.8211	0.0

pageb_benchmark_0074.csv	KNN	0.7748	0.3291
pageb_benchmark_0074.csv	PCA	0.7956	0.2927
pageb_benchmark_0074.csv	LOF	0.6801	0.2821
pageb_benchmark_0083.csv	KNN	0.772	0.4772
pageb_benchmark_0083.csv	PCA	0.9094	0.5228
pageb_benchmark_0083.csv	LOF	0.7345	0.3631
pageb_benchmark_0984.csv	KNN	0.8664	0.3111
pageb_benchmark_0984.csv	PCA	0.9283	0.2444
pageb_benchmark_0984.csv	LOF	0.8851	0.3556
pageb_benchmark_0140.csv	KNN	0.6858	0.3305
pageb_benchmark_0140.csv	PCA	0.6851	0.2881
pageb_benchmark_0140.csv	LOF	0.678	0.2712
pageb_benchmark_0394.csv	KNN	0.8743	0.2
pageb_benchmark_0394.csv	PCA	0.8822	0.2
pageb_benchmark_0394.csv	LOF	0.9563	0.2
pageb_benchmark_0222.csv	KNN	0.6215	0.4474
pageb_benchmark_0222.csv	PCA	0.6998	0.4868
pageb_benchmark_0222.csv	LOF	0.6211	0.4933
pageb_benchmark_0652.csv	KNN	0.8047	0.0435
pageb_benchmark_0652.csv	PCA	0.8529	0.0435
pageb_benchmark_0652.csv	LOF	0.8764	0.0435
pageb_benchmark_0369.csv	KNN	0.8652	0.0
pageb_benchmark_0369.csv	PCA	0.8766	0.0
pageb_benchmark_0369.csv	LOF	0.9341	0.0
pageb_benchmark_0149.csv	KNN	0.7747	0.456
pageb_benchmark_0149.csv	PCA	0.8155	0.384
pageb_benchmark_0149.csv	LOF	0.7739	0.52
pageb_benchmark_1238.csv	KNN	0.7698	0.2189
pageb_benchmark_1238.csv	PCA	0.7776	0.2189
pageb_benchmark_1238.csv	LOF	0.7798	0.2189
pageb_benchmark_0176.csv	KNN	0.5872	0.275
pageb_benchmark_0176.csv	PCA	0.6208	0.2375
pageb_benchmark_0176.csv	LOF	0.6002	0.25
pageb_benchmark_0197.csv	KNN	0.6845	0.5
pageb_benchmark_0197.csv	PCA	0.6825	0.4804
pageb_benchmark_0197.csv	LOF	0.6862	0.5196
pageb_benchmark_0214.csv	KNN	0.6872	0.47
pageb_benchmark_0214.csv	PCA	0.7002	0.5
pageb_benchmark_0214.csv	LOF	0.6778	0.51
pageb_benchmark_1562.csv	KNN	0.7745	0.4593
pageb_benchmark_1562.csv	PCA	0.9055	0.5041
pageb_benchmark_1562.csv	LOF	0.7372	0.3679
pageb_benchmark_0902.csv	KNN	0.9282	0.3556
pageb_benchmark_0902.csv	PCA	0.9335	0.2667
pageb_benchmark_0902.csv	LOF	0.8896	0.3333
pageb_benchmark_0285.csv	KNN	0.6152	0.5541
pageb_benchmark_0285.csv	PCA	0.5517	0.527
pageb_benchmark_0285.csv	LOF	0.6331	0.5405
pageb_benchmark_0080.csv	KNN	0.7223	0.22
pageb_benchmark_0080.csv	PCA	0.7413	0.2511
pageb_benchmark_0080.csv	LOF	0.6431	0.1911
pageb_benchmark_1520.csv	KNN	0.7238	0.2195
pageb_benchmark_1520.csv	PCA	0.7443	0.2419
pageb_benchmark_1520.csv	LOF	0.6311	0.2053
pageb_benchmark_1616.csv	KNN	0.6087	0.11
pageb_benchmark_1616.csv	PCA	0.6907	0.1489
pageb_benchmark_1616.csv	LOF	0.5914	0.123

pageb_benchmark_0193.csv	KNN	0.7203	0.5208
pageb_benchmark_0193.csv	PCA	0.724	0.5208
pageb_benchmark_0193.csv	LOF	0.7095	0.5521
pageb_benchmark_1560.csv	KNN	0.6365	0.135
pageb_benchmark_1560.csv	PCA	0.6931	0.1606
pageb_benchmark_1560.csv	LOF	0.571	0.1314
pageb_benchmark_0058.csv	KNN	0.6669	0.1477
pageb_benchmark_0058.csv	PCA	0.7262	0.1678
pageb_benchmark_0058.csv	LOF	0.6367	0.1242
pageb_benchmark_0288.csv	KNN	0.5013	0.4203
pageb_benchmark_0288.csv	PCA	0.5186	0.4638
pageb_benchmark_0288.csv	LOF	0.4983	0.4638
pageb_benchmark_0621.csv	KNN	0.959	0.6522
pageb_benchmark_0621.csv	PCA	0.9616	0.6087
pageb_benchmark_0621.csv	LOF	0.954	0.6522
pageb_benchmark_0615.csv	KNN	0.8297	0.0
pageb_benchmark_0615.csv	PCA	0.8877	0.0435
pageb_benchmark_0615.csv	LOF	0.8784	0.0435
pageb_benchmark_0601.csv	KNN	0.8294	0.1304
pageb_benchmark_0601.csv	PCA	0.9298	0.087
pageb_benchmark_0601.csv	LOF	0.8015	0.2174
pageb_benchmark_1618.csv	KNN	0.6332	0.1382
pageb_benchmark_1618.csv	PCA	0.7023	0.1673
pageb_benchmark_1618.csv	LOF	0.6064	0.1273
pageb_benchmark_0159.csv	KNN	0.7008	0.3413
pageb_benchmark_0159.csv	PCA	0.6909	0.3333
pageb_benchmark_0159.csv	LOF	0.7039	0.3571
pageb_benchmark_1505.csv	KNN	0.7752	0.4634
pageb_benchmark_1505.csv	PCA	0.9071	0.5183
pageb_benchmark_1505.csv	LOF	0.7294	0.3679
pageb_benchmark_1298.csv	KNN	0.7347	0.1502
pageb_benchmark_1298.csv	PCA	0.7614	0.2146
pageb_benchmark_1298.csv	LOF	0.7083	0.1373
pageb_benchmark_1550.csv	KNN	0.664	0.1704
pageb_benchmark_1550.csv	PCA	0.8237	0.1865
pageb_benchmark_1550.csv	LOF	0.6267	0.2347
pageb_benchmark_0411.csv	KNN	0.7628	0.0
pageb_benchmark_0411.csv	PCA	0.8739	0.0
pageb_benchmark_0411.csv	LOF	0.8375	0.0
pageb_benchmark_0714.csv	KNN	0.94	0.0526
pageb_benchmark_0714.csv	PCA	0.9905	0.3158
pageb_benchmark_0714.csv	LOF	0.4091	0.0526
pageb_benchmark_0419.csv	KNN	0.5796	0.0
pageb_benchmark_0419.csv	PCA	0.7719	0.0
pageb_benchmark_0419.csv	LOF	0.7458	0.0
pageb_benchmark_0259.csv	KNN	0.6474	0.6118
pageb_benchmark_0259.csv	PCA	0.6175	0.5765
pageb_benchmark_0259.csv	LOF	0.6352	0.5647
pageb_benchmark_0239.csv	KNN	0.5186	0.2807
pageb_benchmark_0239.csv	PCA	0.5156	0.3158
pageb_benchmark_0239.csv	LOF	0.5208	0.3158
pageb_benchmark_0679.csv	KNN	0.7188	0.0
pageb_benchmark_0679.csv	PCA	0.8039	0.0
pageb_benchmark_0679.csv	LOF	0.7251	0.0435
pageb_benchmark_0051.csv	KNN	0.6724	0.1164
pageb_benchmark_0051.csv	PCA	0.7629	0.1541
pageb_benchmark_0051.csv	LOF	0.6581	0.1352

pageb_benchmark_0976.csv	KNN	0.7847	0.0444
pageb_benchmark_0976.csv	PCA	0.8382	0.1111
pageb_benchmark_0976.csv	LOF	0.7994	0.0444
pageb_benchmark_0234.csv	KNN	0.6289	0.4416
pageb_benchmark_0234.csv	PCA	0.6199	0.3766
pageb_benchmark_0234.csv	LOF	0.6214	0.4026
pageb_benchmark_1212.csv	KNN	0.8041	0.2704
pageb_benchmark_1212.csv	PCA	0.8191	0.2446
pageb_benchmark_1212.csv	LOF	0.7146	0.2575
pageb_benchmark_0418.csv	KNN	0.977	0.0
pageb_benchmark_0418.csv	PCA	0.9824	0.0
pageb_benchmark_0418.csv	LOF	0.9781	0.0
pageb_benchmark_0005.csv	KNN	0.781	0.4668
pageb_benchmark_0005.csv	PCA	0.9084	0.5088
pageb_benchmark_0005.csv	LOF	0.7418	0.3695
pageb_benchmark_0623.csv	KNN	0.9761	0.4783
pageb_benchmark_0623.csv	PCA	0.9632	0.4783
pageb_benchmark_0623.csv	LOF	0.9621	0.5652
pageb_benchmark_0133.csv	KNN	0.7125	0.3554
pageb_benchmark_0133.csv	PCA	0.7556	0.3719
pageb_benchmark_0133.csv	LOF	0.6936	0.3554
pageb_benchmark_0341.csv	KNN	0.9884	0.0
pageb_benchmark_0341.csv	PCA	0.9682	0.0
pageb_benchmark_0341.csv	LOF	0.9746	0.0
pageb_benchmark_0134.csv	KNN	0.7272	0.3901
pageb_benchmark_0134.csv	PCA	0.7233	0.3759
pageb_benchmark_0134.csv	LOF	0.6843	0.2979
pageb_benchmark_1518.csv	KNN	0.7084	0.2439
pageb_benchmark_1518.csv	PCA	0.7323	0.25
pageb_benchmark_1518.csv	LOF	0.6522	0.2195
pageb_benchmark_1545.csv	KNN	0.5788	0.1937
pageb_benchmark_1545.csv	PCA	0.8565	0.2095
pageb_benchmark_1545.csv	LOF	0.6656	0.2667
pageb_benchmark_1589.csv	KNN	0.809	0.4085
pageb_benchmark_1589.csv	PCA	0.868	0.3699
pageb_benchmark_1589.csv	LOF	0.7326	0.3293
pageb_benchmark_0162.csv	KNN	0.6865	0.3218
pageb_benchmark_0162.csv	PCA	0.7735	0.2299
pageb_benchmark_0162.csv	LOF	0.702	0.3563
pageb_benchmark_0416.csv	KNN	0.6136	0.0
pageb_benchmark_0416.csv	PCA	0.7637	0.0
pageb_benchmark_0416.csv	LOF	0.6219	0.0
pageb_benchmark_0943.csv	KNN	0.8406	0.1714
pageb_benchmark_0943.csv	PCA	0.9911	0.2286
pageb_benchmark_0943.csv	LOF	0.4905	0.0857
pageb_benchmark_1219.csv	KNN	0.7773	0.1717
pageb_benchmark_1219.csv	PCA	0.8051	0.2275
pageb_benchmark_1219.csv	LOF	0.7613	0.1974
pageb_benchmark_0138.csv	KNN	0.6378	0.3066
pageb_benchmark_0138.csv	PCA	0.6681	0.365
pageb_benchmark_0138.csv	LOF	0.6326	0.3066
pageb_benchmark_0985.csv	KNN	0.9445	0.2889
pageb_benchmark_0985.csv	PCA	0.918	0.2222
pageb_benchmark_0985.csv	LOF	0.9169	0.3333
pageb_benchmark_0932.csv	KNN	0.8949	0.3333
pageb_benchmark_0932.csv	PCA	0.8981	0.3778
pageb_benchmark_0932.csv	LOF	0.931	0.3333

pageb_benchmark_1611.csv	KNN	0.7171	0.1429
pageb_benchmark_1611.csv	PCA	0.8395	0.1429
pageb_benchmark_1611.csv	LOF	0.2813	0.0238
pageb_benchmark_0184.csv	KNN	0.7403	0.5638
pageb_benchmark_0184.csv	PCA	0.8008	0.6064
pageb_benchmark_0184.csv	LOF	0.7596	0.5745
pageb_benchmark_0227.csv	KNN	0.625	0.4412
pageb_benchmark_0227.csv	PCA	0.6555	0.3676
pageb_benchmark_0227.csv	LOF	0.6578	0.4853
pageb_benchmark_1225.csv	KNN	0.8422	0.4893
pageb_benchmark_1225.csv	PCA	0.9218	0.3562
pageb_benchmark_1225.csv	LOF	0.7641	0.3734
pageb_benchmark_0604.csv	KNN	0.9301	0.2609
pageb_benchmark_0604.csv	PCA	0.9265	0.1739
pageb_benchmark_0604.csv	LOF	0.911	0.3043
pageb_benchmark_0676.csv	KNN	0.8514	0.1304
pageb_benchmark_0676.csv	PCA	0.8678	0.1304
pageb_benchmark_0676.csv	LOF	0.8803	0.1304
pageb_benchmark_0054.csv	KNN	0.66	0.1118
pageb_benchmark_0054.csv	PCA	0.7691	0.115
pageb_benchmark_0054.csv	LOF	0.6676	0.1693
pageb_benchmark_0087.csv	KNN	0.7929	0.3914
pageb_benchmark_0087.csv	PCA	0.858	0.373
pageb_benchmark_0087.csv	LOF	0.7074	0.3463
pageb_benchmark_0062.csv	KNN	0.7727	0.459
pageb_benchmark_0062.csv	PCA	0.9051	0.4967
pageb_benchmark_0062.csv	LOF	0.7346	0.3459
pageb_benchmark_1215.csv	KNN	0.8199	0.279
pageb_benchmark_1215.csv	PCA	0.8319	0.2918
pageb_benchmark_1215.csv	LOF	0.7601	0.2661
pageb_benchmark_0016.csv	KNN	0.7337	0.277
pageb_benchmark_0016.csv	PCA	0.736	0.26
pageb_benchmark_0016.csv	LOF	0.666	0.2516
pageb_benchmark_1020.csv	KNN	0.6778	0.0
pageb_benchmark_1020.csv	PCA	0.7568	0.0222
pageb_benchmark_1020.csv	LOF	0.7575	0.0
pageb_benchmark_0630.csv	KNN	0.9539	0.5652
pageb_benchmark_0630.csv	PCA	0.9473	0.6087
pageb_benchmark_0630.csv	LOF	0.9581	0.5652
pageb_benchmark_0084.csv	KNN	0.7655	0.4481
pageb_benchmark_0084.csv	PCA	0.9037	0.5254
pageb_benchmark_0084.csv	LOF	0.7325	0.373
pageb_benchmark_0952.csv	KNN	0.7556	0.0
pageb_benchmark_0952.csv	PCA	0.8504	0.0222
pageb_benchmark_0952.csv	LOF	0.7564	0.0222
pageb_benchmark_0173.csv	KNN	0.5993	0.1647
pageb_benchmark_0173.csv	PCA	0.6531	0.1882
pageb_benchmark_0173.csv	LOF	0.6146	0.1647
pageb_benchmark_0188.csv	KNN	0.7787	0.5876
pageb_benchmark_0188.csv	PCA	0.7521	0.5567
pageb_benchmark_0188.csv	LOF	0.7362	0.5876
pageb_benchmark_0333.csv	KNN	0.9554	0.4
pageb_benchmark_0333.csv	PCA	0.9359	0.4
pageb_benchmark_0333.csv	LOF	0.9837	0.4
pageb_benchmark_0092.csv	KNN	0.7778	0.3638
pageb_benchmark_0092.csv	PCA	0.7779	0.3285
pageb_benchmark_0092.csv	LOF	0.6798	0.2869

pageb_benchmark_0153.csv	KNN	0.6979	0.376
pageb_benchmark_0153.csv	PCA	0.7374	0.344
pageb_benchmark_0153.csv	LOF	0.6845	0.304
pageb_benchmark_1782.csv	KNN	1.0	1.0
pageb_benchmark_1782.csv	PCA	1.0	1.0
pageb_benchmark_1782.csv	LOF	1.0	1.0
pageb_benchmark_0194.csv	KNN	0.6961	0.5158
pageb_benchmark_0194.csv	PCA	0.6646	0.4737
pageb_benchmark_0194.csv	LOF	0.6931	0.5474
pageb_benchmark_0675.csv	KNN	0.8517	0.2174
pageb_benchmark_0675.csv	PCA	0.8835	0.2174
pageb_benchmark_0675.csv	LOF	0.9216	0.2174
pageb_benchmark_0718.csv	KNN	0.7073	0.0
pageb_benchmark_0718.csv	PCA	0.7792	0.0
pageb_benchmark_0718.csv	LOF	0.7519	0.0
pageb_benchmark_1226.csv	KNN	0.8466	0.3476
pageb_benchmark_1226.csv	PCA	0.8766	0.309
pageb_benchmark_1226.csv	LOF	0.8097	0.3262
pageb_benchmark_0330.csv	KNN	0.966	0.6
pageb_benchmark_0330.csv	PCA	0.9862	0.6
pageb_benchmark_0330.csv	LOF	0.9838	0.6
pageb_benchmark_1243.csv	KNN	0.9942	0.8333
pageb_benchmark_1243.csv	PCA	0.9985	0.8333
pageb_benchmark_1243.csv	LOF	1.0	1.0
pageb_benchmark_0633.csv	KNN	0.9563	0.4783
pageb_benchmark_0633.csv	PCA	0.9512	0.4783
pageb_benchmark_0633.csv	LOF	0.975	0.5217
pageb_benchmark_0278.csv	KNN	0.6381	0.5595
pageb_benchmark_0278.csv	PCA	0.6013	0.5476
pageb_benchmark_0278.csv	LOF	0.6412	0.5714
pageb_benchmark_0371.csv	KNN	0.7947	0.0
pageb_benchmark_0371.csv	PCA	0.8517	0.0
pageb_benchmark_0371.csv	LOF	0.8488	0.0
pageb_benchmark_0393.csv	KNN	0.8882	0.0
pageb_benchmark_0393.csv	PCA	0.9411	0.2
pageb_benchmark_0393.csv	LOF	0.9345	0.0
pageb_benchmark_0370.csv	KNN	0.8471	0.2
pageb_benchmark_0370.csv	PCA	0.8378	0.2
pageb_benchmark_0370.csv	LOF	0.8382	0.2
pageb_benchmark_0261.csv	KNN	0.6939	0.5952
pageb_benchmark_0261.csv	PCA	0.7141	0.631
pageb_benchmark_0261.csv	LOF	0.7352	0.6548
pageb_benchmark_0223.csv	KNN	0.6243	0.4865
pageb_benchmark_0223.csv	PCA	0.6715	0.4459
pageb_benchmark_0223.csv	LOF	0.6546	0.5541
pageb_benchmark_0110.csv	KNN	0.6481	0.2077
pageb_benchmark_0110.csv	PCA	0.8126	0.1923
pageb_benchmark_0110.csv	LOF	0.6495	0.1923
pageb_benchmark_0256.csv	KNN	0.7053	0.6506
pageb_benchmark_0256.csv	PCA	0.6971	0.6265
pageb_benchmark_0256.csv	LOF	0.7082	0.6386
pageb_benchmark_0999.csv	KNN	0.777	0.0667
pageb_benchmark_0999.csv	PCA	0.8194	0.0889
pageb_benchmark_0999.csv	LOF	0.8391	0.1111
pageb_benchmark_1250.csv	KNN	0.7094	0.0987
pageb_benchmark_1250.csv	PCA	0.8507	0.0987
pageb_benchmark_1250.csv	LOF	0.6496	0.1888

pageb_benchmark_0318.csv	KNN	0.8193	0.0
pageb_benchmark_0318.csv	PCA	0.899	0.0
pageb_benchmark_0318.csv	LOF	0.8821	0.0
pageb_benchmark_0295.csv	KNN	0.5648	0.5286
pageb_benchmark_0295.csv	PCA	0.5769	0.5429
pageb_benchmark_0295.csv	LOF	0.554	0.5143
pageb_benchmark_0039.csv	KNN	0.6989	0.2539
pageb_benchmark_0039.csv	PCA	0.7056	0.2252
pageb_benchmark_0039.csv	LOF	0.6513	0.2362
pageb_benchmark_1236.csv	KNN	0.7453	0.1974
pageb_benchmark_1236.csv	PCA	0.7506	0.2017
pageb_benchmark_1236.csv	LOF	0.7594	0.1974
pageb_benchmark_0003.csv	KNN	0.7836	0.4699
pageb_benchmark_0003.csv	PCA	0.9131	0.5345
pageb_benchmark_0003.csv	LOF	0.7587	0.3898
pageb_benchmark_1597.csv	KNN	0.7185	0.2439
pageb_benchmark_1597.csv	PCA	0.7286	0.2276
pageb_benchmark_1597.csv	LOF	0.674	0.25
pageb_benchmark_0711.csv	KNN	0.7513	0.0
pageb_benchmark_0711.csv	PCA	0.8459	0.0
pageb_benchmark_0711.csv	LOF	0.8113	0.0
pageb_benchmark_0157.csv	KNN	0.6859	0.3689
pageb_benchmark_0157.csv	PCA	0.6901	0.3443
pageb_benchmark_0157.csv	LOF	0.6732	0.3115
pageb_benchmark_1583.csv	KNN	0.7727	0.4634
pageb_benchmark_1583.csv	PCA	0.9008	0.4878
pageb_benchmark_1583.csv	LOF	0.7441	0.3557
pageb_benchmark_1569.csv	KNN	0.816	0.4024
pageb_benchmark_1569.csv	PCA	0.8545	0.3435
pageb_benchmark_1569.csv	LOF	0.7252	0.3435
pageb_benchmark_0634.csv	KNN	0.8711	0.5652
pageb_benchmark_0634.csv	PCA	0.8917	0.5652
pageb_benchmark_0634.csv	LOF	0.9138	0.6087
pageb_benchmark_0202.csv	KNN	0.7671	0.5851
pageb_benchmark_0202.csv	PCA	0.8076	0.6064
pageb_benchmark_0202.csv	LOF	0.7492	0.6277
pageb_benchmark_0013.csv	KNN	0.7695	0.3171
pageb_benchmark_0013.csv	PCA	0.7979	0.2778
pageb_benchmark_0013.csv	LOF	0.6977	0.2778
pageb_benchmark_0626.csv	KNN	0.9673	0.6087
pageb_benchmark_0626.csv	PCA	0.9533	0.5652
pageb_benchmark_0626.csv	LOF	0.9916	0.6087
pageb_benchmark_0989.csv	KNN	0.8665	0.1333
pageb_benchmark_0989.csv	PCA	0.9047	0.1333
pageb_benchmark_0989.csv	LOF	0.7923	0.2222
pageb_benchmark_0269.csv	KNN	0.6273	0.5747
pageb_benchmark_0269.csv	PCA	0.656	0.5862
pageb_benchmark_0269.csv	LOF	0.6696	0.6207
pageb_benchmark_0093.csv	KNN	0.7519	0.3038
pageb_benchmark_0093.csv	PCA	0.8195	0.3215
pageb_benchmark_0093.csv	LOF	0.6331	0.2483
pageb_benchmark_0965.csv	KNN	0.9366	0.3333
pageb_benchmark_0965.csv	PCA	0.9286	0.2444
pageb_benchmark_0965.csv	LOF	0.8693	0.3778
pageb_benchmark_0151.csv	KNN	0.7001	0.3445
pageb_benchmark_0151.csv	PCA	0.7529	0.3445
pageb_benchmark_0151.csv	LOF	0.6836	0.3361

pageb_benchmark_0132.csv	KNN	0.7361	0.4135
pageb_benchmark_0132.csv	PCA	0.7453	0.3759
pageb_benchmark_0132.csv	LOF	0.7377	0.3684
pageb_benchmark_0105.csv	KNN	0.6149	0.1845
pageb_benchmark_0105.csv	PCA	0.8751	0.1553
pageb_benchmark_0105.csv	LOF	0.6771	0.2621
pageb_benchmark_0922.csv	KNN	0.9461	0.4889
pageb_benchmark_0922.csv	PCA	0.9281	0.4222
pageb_benchmark_0922.csv	LOF	0.9217	0.5111
pageb_benchmark_1564.csv	KNN	0.7779	0.4593
pageb_benchmark_1564.csv	PCA	0.9022	0.4919
pageb_benchmark_1564.csv	LOF	0.7287	0.3659
pageb_benchmark_0911.csv	KNN	0.8061	0.0667
pageb_benchmark_0911.csv	PCA	0.858	0.1111
pageb_benchmark_0911.csv	LOF	0.8434	0.0889
pageb_benchmark_0328.csv	KNN	0.9724	0.6
pageb_benchmark_0328.csv	PCA	0.961	0.6
pageb_benchmark_0328.csv	LOF	0.9978	0.6
pageb_benchmark_1575.csv	KNN	0.7684	0.313
pageb_benchmark_1575.csv	PCA	0.8039	0.3313
pageb_benchmark_1575.csv	LOF	0.6835	0.311
pageb_benchmark_0164.csv	KNN	0.6355	0.3297
pageb_benchmark_0164.csv	PCA	0.7764	0.2527
pageb_benchmark_0164.csv	LOF	0.7273	0.4505
pageb_benchmark_0079.csv	KNN	0.7056	0.2833
pageb_benchmark_0079.csv	PCA	0.7076	0.2597
pageb_benchmark_0079.csv	LOF	0.6566	0.2597
pageb_benchmark_0141.csv	KNN	0.7891	0.5159
pageb_benchmark_0141.csv	PCA	0.8607	0.5079
pageb_benchmark_0141.csv	LOF	0.8014	0.5476
pageb_benchmark_0077.csv	KNN	0.7118	0.2526
pageb_benchmark_0077.csv	PCA	0.7153	0.2279
pageb_benchmark_0077.csv	LOF	0.6478	0.2279
pageb_benchmark_0988.csv	KNN	0.9102	0.1778
pageb_benchmark_0988.csv	PCA	0.9054	0.2222
pageb_benchmark_0988.csv	LOF	0.9049	0.2222
pageb_benchmark_1607.csv	KNN	0.6834	0.1656
pageb_benchmark_1607.csv	PCA	0.807	0.1529
pageb_benchmark_1607.csv	LOF	0.6558	0.2611
pageb_benchmark_0684.csv	KNN	0.9165	0.2609
pageb_benchmark_0684.csv	PCA	0.9456	0.1739
pageb_benchmark_0684.csv	LOF	0.822	0.2609
pageb_benchmark_0220.csv	KNN	0.6584	0.4946
pageb_benchmark_0220.csv	PCA	0.6308	0.4086
pageb_benchmark_0220.csv	LOF	0.6403	0.4731
pageb_benchmark_1536.csv	KNN	0.7227	0.2663
pageb_benchmark_1536.csv	PCA	0.731	0.25
pageb_benchmark_1536.csv	LOF	0.6742	0.2317
pageb_benchmark_0409.csv	KNN	0.8236	0.0
pageb_benchmark_0409.csv	PCA	0.9186	0.0
pageb_benchmark_0409.csv	LOF	0.7764	0.0
pageb_benchmark_1783.csv	KNN	1.0	1.0
pageb_benchmark_1783.csv	PCA	0.9877	0.6667
pageb_benchmark_1783.csv	LOF	1.0	1.0
pageb_benchmark_1508.csv	KNN	0.8064	0.3882
pageb_benchmark_1508.csv	PCA	0.8599	0.3577
pageb_benchmark_1508.csv	LOF	0.7093	0.3394

pageb_benchmark_0204.csv	KNN	0.7881	0.6042
pageb_benchmark_0204.csv	PCA	0.8259	0.6667
pageb_benchmark_0204.csv	LOF	0.7832	0.6771
pageb_benchmark_0661.csv	KNN	0.8594	0.2174
pageb_benchmark_0661.csv	PCA	0.932	0.2174
pageb_benchmark_0661.csv	LOF	0.7385	0.2174
pageb_benchmark_0413.csv	KNN	0.9794	0.0
pageb_benchmark_0413.csv	PCA	0.99	0.0
pageb_benchmark_0413.csv	LOF	0.9808	0.0
pageb_benchmark_1301.csv	KNN	0.6916	0.1588
pageb_benchmark_1301.csv	PCA	0.8704	0.0515
pageb_benchmark_1301.csv	LOF	0.679	0.1717
pageb_benchmark_0660.csv	KNN	0.7123	0.0
pageb_benchmark_0660.csv	PCA	0.7962	0.0
pageb_benchmark_0660.csv	LOF	0.7772	0.0
pageb_benchmark_1535.csv	KNN	0.774	0.3089
pageb_benchmark_1535.csv	PCA	0.7981	0.3008
pageb_benchmark_1535.csv	LOF	0.6899	0.2703
pageb_benchmark_0381.csv	KNN	0.8247	0.0
pageb_benchmark_0381.csv	PCA	0.8482	0.0
pageb_benchmark_0381.csv	LOF	0.886	0.0
pageb_benchmark_0337.csv	KNN	0.9225	0.6
pageb_benchmark_0337.csv	PCA	0.9712	0.6
pageb_benchmark_0337.csv	LOF	0.9847	0.6
pageb_benchmark_0046.csv	KNN	0.6638	0.1725
pageb_benchmark_0046.csv	PCA	0.845	0.1406
pageb_benchmark_0046.csv	LOF	0.7001	0.2268
pageb_benchmark_0627.csv	KNN	0.9614	0.5652
pageb_benchmark_0627.csv	PCA	0.9703	0.5652
pageb_benchmark_0627.csv	LOF	0.9493	0.6087
pageb_benchmark_0103.csv	KNN	0.807	0.2512
pageb_benchmark_0103.csv	PCA	0.8164	0.0887
pageb_benchmark_0103.csv	LOF	0.7876	0.2365
pageb_benchmark_1543.csv	KNN	0.8219	0.2432
pageb_benchmark_1543.csv	PCA	0.9127	0.2703
pageb_benchmark_1543.csv	LOF	0.3249	0.0541
pageb_benchmark_0605.csv	KNN	0.9327	0.3913
pageb_benchmark_0605.csv	PCA	0.9318	0.3913
pageb_benchmark_0605.csv	LOF	0.9603	0.4348
pageb_benchmark_0266.csv	KNN	0.6648	0.5854
pageb_benchmark_0266.csv	PCA	0.6519	0.5732
pageb_benchmark_0266.csv	LOF	0.6915	0.6463
pageb_benchmark_1526.csv	KNN	0.8142	0.3882
pageb_benchmark_1526.csv	PCA	0.8684	0.3984
pageb_benchmark_1526.csv	LOF	0.7102	0.3394
pageb_benchmark_1614.csv	KNN	0.6335	0.1273
pageb_benchmark_1614.csv	PCA	0.7055	0.15
pageb_benchmark_1614.csv	LOF	0.6792	0.1682
pageb_benchmark_0128.csv	KNN	0.7466	0.4032
pageb_benchmark_0128.csv	PCA	0.7872	0.3387
pageb_benchmark_0128.csv	LOF	0.7211	0.4274
pageb_benchmark_0024.csv	KNN	0.7913	0.4607
pageb_benchmark_0024.csv	PCA	0.9069	0.518
pageb_benchmark_0024.csv	LOF	0.733	0.3524
pageb_benchmark_1078.csv	KNN	0.9487	0.0
pageb_benchmark_1078.csv	PCA	0.9231	0.0
pageb_benchmark_1078.csv	LOF	0.9087	0.0

pageb_benchmark_0665.csv	KNN	0.9573	0.3043
pageb_benchmark_0665.csv	PCA	0.9241	0.1739
pageb_benchmark_0665.csv	LOF	0.9375	0.3043
pageb_benchmark_0198.csv	KNN	0.6257	0.4787
pageb_benchmark_0198.csv	PCA	0.6285	0.4255
pageb_benchmark_0198.csv	LOF	0.6381	0.4787
pageb_benchmark_1221.csv	KNN	0.8631	0.4464
pageb_benchmark_1221.csv	PCA	0.9131	0.3391
pageb_benchmark_1221.csv	LOF	0.8111	0.3605
pageb_benchmark_0143.csv	KNN	0.7451	0.475
pageb_benchmark_0143.csv	PCA	0.8558	0.5
pageb_benchmark_0143.csv	LOF	0.7507	0.5
pageb_benchmark_0124.csv	KNN	0.7935	0.5
pageb_benchmark_0124.csv	PCA	0.8609	0.5
pageb_benchmark_0124.csv	LOF	0.794	0.5
pageb_benchmark_1612.csv	KNN	0.6694	0.1705
pageb_benchmark_1612.csv	PCA	0.7813	0.1934
pageb_benchmark_1612.csv	LOF	0.6419	0.2197
pageb_benchmark_0322.csv	KNN	0.9557	0.4
pageb_benchmark_0322.csv	PCA	0.9324	0.4
pageb_benchmark_0322.csv	LOF	0.9371	0.4
pageb_benchmark_0620.csv	KNN	0.6909	0.0
pageb_benchmark_0620.csv	PCA	0.8181	0.0435
pageb_benchmark_0620.csv	LOF	0.7415	0.0
pageb_benchmark_0342.csv	KNN	0.9867	0.0
pageb_benchmark_0342.csv	PCA	0.9675	0.0
pageb_benchmark_0342.csv	LOF	0.9856	0.0
pageb_benchmark_0926.csv	KNN	0.9375	0.4318
pageb_benchmark_0926.csv	PCA	0.9186	0.4222
pageb_benchmark_0926.csv	LOF	0.9467	0.5111
pageb_benchmark_0136.csv	KNN	0.7026	0.3206
pageb_benchmark_0136.csv	PCA	0.7169	0.3588
pageb_benchmark_0136.csv	LOF	0.6977	0.2595
pageb_benchmark_0954.csv	KNN	0.708	0.0
pageb_benchmark_0954.csv	PCA	0.7929	0.0
pageb_benchmark_0954.csv	LOF	0.7897	0.0222
pageb_benchmark_0206.csv	KNN	0.7236	0.5579
pageb_benchmark_0206.csv	PCA	0.7764	0.5579
pageb_benchmark_0206.csv	LOF	0.6945	0.5579
pageb_benchmark_0033.csv	KNN	0.7941	0.3277
pageb_benchmark_0033.csv	PCA	0.7981	0.3085
pageb_benchmark_0033.csv	LOF	0.6995	0.2957
pageb_benchmark_1554.csv	KNN	0.6479	0.1327
pageb_benchmark_1554.csv	PCA	0.7606	0.1586
pageb_benchmark_1554.csv	LOF	0.6418	0.165
pageb_benchmark_0297.csv	KNN	0.5663	0.4839
pageb_benchmark_0297.csv	PCA	0.5527	0.5
pageb_benchmark_0297.csv	LOF	0.5576	0.4839
pageb_benchmark_1295.csv	KNN	0.7932	0.2232
pageb_benchmark_1295.csv	PCA	0.8193	0.2318
pageb_benchmark_1295.csv	LOF	0.7527	0.279
pageb_benchmark_0060.csv	KNN	0.61	0.0906
pageb_benchmark_0060.csv	PCA	0.6813	0.11
pageb_benchmark_0060.csv	LOF	0.6248	0.1036
pageb_benchmark_0929.csv	KNN	0.9143	0.3556
pageb_benchmark_0929.csv	PCA	0.908	0.3556
pageb_benchmark_0929.csv	LOF	0.9272	0.4

pageb_benchmark_0299.csv	KNN	0.9725	0.8571
pageb_benchmark_0299.csv	PCA	0.6154	0.2857
pageb_benchmark_0299.csv	LOF	0.9835	0.8571
pageb_benchmark_1537.csv	KNN	0.7162	0.252
pageb_benchmark_1537.csv	PCA	0.728	0.2358
pageb_benchmark_1537.csv	LOF	0.6608	0.2398
pageb_benchmark_0052.csv	KNN	0.6271	0.134
pageb_benchmark_0052.csv	PCA	0.7666	0.1277
pageb_benchmark_0052.csv	LOF	0.6327	0.1776
pageb_benchmark_0618.csv	KNN	0.8077	0.0435
pageb_benchmark_0618.csv	PCA	0.8528	0.0435
pageb_benchmark_0618.csv	LOF	0.8604	0.0435
pageb_benchmark_0094.csv	KNN	0.7787	0.3039
pageb_benchmark_0094.csv	PCA	0.8124	0.2947
pageb_benchmark_0094.csv	LOF	0.6528	0.2552
pageb_benchmark_1789.csv	KNN	1.0	1.0
pageb_benchmark_1789.csv	PCA	1.0	1.0
pageb_benchmark_1789.csv	LOF	1.0	1.0
pageb_benchmark_0948.csv	KNN	0.9479	0.075
pageb_benchmark_0948.csv	PCA	0.99	0.225
pageb_benchmark_0948.csv	LOF	0.3633	0.0
pageb_benchmark_1231.csv	KNN	0.8198	0.3348
pageb_benchmark_1231.csv	PCA	0.831	0.2532
pageb_benchmark_1231.csv	LOF	0.7466	0.2876
pageb_benchmark_0993.csv	KNN	0.8197	0.0889
pageb_benchmark_0993.csv	PCA	0.8568	0.1556
pageb_benchmark_0993.csv	LOF	0.8607	0.1556
pageb_benchmark_1601.csv	KNN	0.587	0.2179
pageb_benchmark_1601.csv	PCA	0.8656	0.2283
pageb_benchmark_1601.csv	LOF	0.6685	0.2885
pageb_benchmark_0015.csv	KNN	0.7913	0.3483
pageb_benchmark_0015.csv	PCA	0.8002	0.3146
pageb_benchmark_0015.csv	LOF	0.7029	0.3079
pageb_benchmark_1013.csv	KNN	0.7245	0.0222
pageb_benchmark_1013.csv	PCA	0.8432	0.0
pageb_benchmark_1013.csv	LOF	0.736	0.0667
pageb_benchmark_0042.csv	KNN	0.6901	0.2016
pageb_benchmark_0042.csv	PCA	0.8421	0.0659
pageb_benchmark_0042.csv	LOF	0.6728	0.1938
pageb_benchmark_1237.csv	KNN	0.7533	0.1931
pageb_benchmark_1237.csv	PCA	0.7632	0.2146
pageb_benchmark_1237.csv	LOF	0.7213	0.176
pageb_benchmark_0637.csv	KNN	0.8616	0.4783
pageb_benchmark_0637.csv	PCA	0.8875	0.4348
pageb_benchmark_0637.csv	LOF	0.9204	0.4783
pageb_benchmark_0348.csv	KNN	0.749	0.0
pageb_benchmark_0348.csv	PCA	0.8161	0.0
pageb_benchmark_0348.csv	LOF	0.7777	0.0
pageb_benchmark_1523.csv	KNN	0.7777	0.4675
pageb_benchmark_1523.csv	PCA	0.9075	0.5041
pageb_benchmark_1523.csv	LOF	0.7386	0.3679
pageb_benchmark_1592.csv	KNN	0.7549	0.2846
pageb_benchmark_1592.csv	PCA	0.783	0.2744
pageb_benchmark_1592.csv	LOF	0.6974	0.3089
pageb_benchmark_0195.csv	KNN	0.665	0.4479
pageb_benchmark_0195.csv	PCA	0.6674	0.4375
pageb_benchmark_0195.csv	LOF	0.6593	0.4896

pageb_benchmark_0142.csv	KNN	0.7889	0.5354	
pageb_benchmark_0142.csv	PCA	0.8594	0.4882	
pageb_benchmark_0142.csv	LOF	0.7771	0.5118	
pageb_benchmark_0053.csv	KNN	0.9206	0.0476	
pageb_benchmark_0053.csv	PCA	0.9813	0.119	
pageb_benchmark_0053.csv	LOF	0.2735	0.0	
pageb_benchmark_0106.csv	KNN	0.9196	0.0	
pageb_benchmark_0106.csv	PCA	0.9114	0.0645	
pageb_benchmark_0106.csv	LOF	0.6649	0.0	
pageb_benchmark_0683.csv	KNN	0.9629	0.1304	
pageb_benchmark_0683.csv	PCA	0.9122	0.1304	
pageb_benchmark_0683.csv	LOF	0.9714	0.2174	
pageb_benchmark_0170.csv	KNN	0.6264	0.1905	
pageb_benchmark_0170.csv	PCA	0.7005	0.1786	
pageb_benchmark_0170.csv	LOF	0.6527	0.2262	
pageb_benchmark_0657.csv	KNN	0.6067	0.0	
pageb_benchmark_0657.csv	PCA	0.737	0.0	
pageb_benchmark_0657.csv	LOF	0.7161	0.0	
pageb_benchmark_0659.csv	KNN	0.9125	0.0	
pageb_benchmark_0659.csv	PCA	0.9637	0.0	
pageb_benchmark_0659.csv	LOF	0.7572	0.0	
pageb_benchmark_0238.csv	KNN	0.5381	0.3194	
pageb_benchmark_0238.csv	PCA	0.5307	0.2917	
pageb_benchmark_0238.csv	LOF	0.5604	0.4028	
pageb_benchmark_0390.csv	KNN	0.9268	0.0	
pageb_benchmark_0390.csv	PCA	0.9237	0.0	
pageb_benchmark_0390.csv	LOF	0.9468	0.0	
pageb_benchmark_1080.csv	KNN	0.8601	0.0	
pageb_benchmark_1080.csv	PCA	0.9016	0.0	
pageb_benchmark_1080.csv	LOF	0.8316	0.0	
pageb_benchmark_1207.csv	KNN	0.8194	0.2961	
pageb_benchmark_1207.csv	PCA	0.8919	0.3305	
pageb_benchmark_1207.csv	LOF	0.7229	0.3004	
pageb_benchmark_0968.csv	KNN	0.8789	0.2	
pageb_benchmark_0968.csv	PCA	0.8914	0.1778	
pageb_benchmark_0968.csv	LOF	0.9281	0.2444	
pageb_benchmark_1502.csv	KNN	0.7737	0.4675	
pageb_benchmark_1502.csv	PCA	0.9037	0.4939	
pageb_benchmark_1502.csv	LOF	0.744	0.3598	
pageb_benchmark_0974.csv	KNN	0.8364	0.0667	
pageb_benchmark_0974.csv	PCA	0.8569	0.1111	
pageb_benchmark_0974.csv	LOF	0.868	0.0222	
pageb_benchmark_0224.csv	KNN	0.6984	0.4516	
pageb_benchmark_0224.csv	PCA	0.7135	0.4355	
pageb_benchmark_0224.csv	LOF	0.7101	0.5161	
pageb_benchmark_1547.csv	KNN	0.6991	0.2298	
pageb_benchmark_1547.csv	PCA	0.8118	0.2136	
pageb_benchmark_1547.csv	LOF	0.691	0.2298	
pageb_benchmark_0979.csv	KNN	0.6968	0.0667	
pageb_benchmark_0979.csv	PCA	0.7669	0.0667	
pageb_benchmark_0979.csv	LOF	0.7656	0.0667	
pageb_benchmark_1544.csv	KNN	0.5887	0.2038	
pageb_benchmark_1544.csv	PCA	0.861	0.2166	
pageb_benchmark_1544.csv	LOF	0.6789	0.2771	
pageb_benchmark_0130.csv	KNN	0.7526	0.4355	
pageb_benchmark_0130.csv	PCA	0.8302	0.4516	
pageb_benchmark_0130.csv	LOF	0.7595	0.4194	

pageb_benchmark_0355.csv	KNN	0.7299	0.0
pageb_benchmark_0355.csv	PCA	0.6078	0.0
pageb_benchmark_0355.csv	LOF	0.8279	0.0
pageb_benchmark_0152.csv	KNN	0.7391	0.3953
pageb_benchmark_0152.csv	PCA	0.7663	0.4031
pageb_benchmark_0152.csv	LOF	0.7177	0.3953
pageb_benchmark_0119.csv	KNN	0.6328	0.121
pageb_benchmark_0119.csv	PCA	0.7008	0.1497
pageb_benchmark_0119.csv	LOF	0.6417	0.1624
pageb_benchmark_1606.csv	KNN	0.6617	0.1974
pageb_benchmark_1606.csv	PCA	0.8473	0.2006
pageb_benchmark_1606.csv	LOF	0.6154	0.2071
pageb_benchmark_0716.csv	KNN	0.6345	0.0
pageb_benchmark_0716.csv	PCA	0.731	0.0
pageb_benchmark_0716.csv	LOF	0.7003	0.0
pageb_benchmark_1666.csv	KNN	0.6855	0.1667
pageb_benchmark_1666.csv	PCA	0.7347	0.1667
pageb_benchmark_1666.csv	LOF	0.6814	0.1296
pageb_benchmark_0908.csv	KNN	0.8863	0.1556
pageb_benchmark_0908.csv	PCA	0.9004	0.1778
pageb_benchmark_0908.csv	LOF	0.8809	0.2444
pageb_benchmark_0388.csv	KNN	0.9238	0.2
pageb_benchmark_0388.csv	PCA	0.915	0.2
pageb_benchmark_0388.csv	LOF	0.9251	0.2
pageb_benchmark_0258.csv	KNN	0.5838	0.5568
pageb_benchmark_0258.csv	PCA	0.5726	0.5114
pageb_benchmark_0258.csv	LOF	0.5751	0.5682
pageb_benchmark_1542.csv	KNN	0.5883	0.1917
pageb_benchmark_1542.csv	PCA	0.8677	0.2428
pageb_benchmark_1542.csv	LOF	0.6724	0.2875
pageb_benchmark_1006.csv	KNN	0.7825	0.0
pageb_benchmark_1006.csv	PCA	0.8526	0.0
pageb_benchmark_1006.csv	LOF	0.7985	0.1111
pageb_benchmark_1578.csv	KNN	0.7216	0.2805
pageb_benchmark_1578.csv	PCA	0.7199	0.2398
pageb_benchmark_1578.csv	LOF	0.6627	0.2439
pageb_benchmark_0611.csv	KNN	0.9137	0.087
pageb_benchmark_0611.csv	PCA	0.9149	0.2174
pageb_benchmark_0611.csv	LOF	0.9245	0.0435
pageb_benchmark_1316.csv	KNN	0.6478	0.0987
pageb_benchmark_1316.csv	PCA	0.7369	0.1073
pageb_benchmark_1316.csv	LOF	0.636	0.1416
pageb_benchmark_0644.csv	KNN	0.2309	0.0
pageb_benchmark_0644.csv	PCA	0.9362	0.0
pageb_benchmark_0644.csv	LOF	0.3109	0.0435
pageb_benchmark_1209.csv	KNN	0.8189	0.3133
pageb_benchmark_1209.csv	PCA	0.885	0.3176
pageb_benchmark_1209.csv	LOF	0.7371	0.3004
pageb_benchmark_1608.csv	KNN	0.6294	0.1693
pageb_benchmark_1608.csv	PCA	0.832	0.1693
pageb_benchmark_1608.csv	LOF	0.6533	0.2173
pageb_benchmark_1680.csv	KNN	0.5443	0.1346
pageb_benchmark_1680.csv	PCA	0.5473	0.1154
pageb_benchmark_1680.csv	LOF	0.5525	0.1538
pageb_benchmark_0310.csv	KNN	0.8262	0.0
pageb_benchmark_0310.csv	PCA	0.8325	0.0
pageb_benchmark_0310.csv	LOF	0.934	0.0

pageb_benchmark_0614.csv	KNN	0.882	0.1739
pageb_benchmark_0614.csv	PCA	0.9232	0.1739
pageb_benchmark_0614.csv	LOF	0.9318	0.1304
pageb_benchmark_0287.csv	KNN	0.6556	0.6349
pageb_benchmark_0287.csv	PCA	0.6132	0.5714
pageb_benchmark_0287.csv	LOF	0.6106	0.5714
pageb_benchmark_0056.csv	KNN	0.6059	0.0752
pageb_benchmark_0056.csv	PCA	0.6956	0.1034
pageb_benchmark_0056.csv	LOF	0.6091	0.1066
pageb_benchmark_1540.csv	KNN	0.7245	0.248
pageb_benchmark_1540.csv	PCA	0.7378	0.252
pageb_benchmark_1540.csv	LOF	0.6586	0.2256
pageb_benchmark_0654.csv	KNN	0.9219	0.0
pageb_benchmark_0654.csv	PCA	0.9841	0.087
pageb_benchmark_0654.csv	LOF	0.2305	0.0
pageb_benchmark_1517.csv	KNN	0.7439	0.2683
pageb_benchmark_1517.csv	PCA	0.7397	0.2297
pageb_benchmark_1517.csv	LOF	0.6871	0.2378
pageb_benchmark_0274.csv	KNN	0.6769	0.6207
pageb_benchmark_0274.csv	PCA	0.6885	0.6207
pageb_benchmark_0274.csv	LOF	0.6766	0.6437
pageb_benchmark_1239.csv	KNN	0.7386	0.2146
pageb_benchmark_1239.csv	PCA	0.7504	0.2146
pageb_benchmark_1239.csv	LOF	0.7347	0.2489
pageb_benchmark_0646.csv	KNN	0.9807	0.0526
pageb_benchmark_0646.csv	PCA	0.9914	0.3158
pageb_benchmark_0646.csv	LOF	0.5594	0.0
pageb_benchmark_0914.csv	KNN	0.8503	0.0667
pageb_benchmark_0914.csv	PCA	0.8665	0.1111
pageb_benchmark_0914.csv	LOF	0.8707	0.0667
pageb_benchmark_0340.csv	KNN	0.876	0.6
pageb_benchmark_0340.csv	PCA	0.871	0.6
pageb_benchmark_0340.csv	LOF	0.9184	0.6
pageb_benchmark_1202.csv	KNN	0.8203	0.4592
pageb_benchmark_1202.csv	PCA	0.9151	0.2918
pageb_benchmark_1202.csv	LOF	0.7464	0.3433
pageb_benchmark_0916.csv	KNN	0.7441	0.0222
pageb_benchmark_0916.csv	PCA	0.8083	0.1333
pageb_benchmark_0916.csv	LOF	0.8123	0.0222
pageb_benchmark_0272.csv	KNN	0.6685	0.6
pageb_benchmark_0272.csv	PCA	0.6661	0.6118
pageb_benchmark_0272.csv	LOF	0.6737	0.6118
pageb_benchmark_0203.csv	KNN	0.7852	0.617
pageb_benchmark_0203.csv	PCA	0.8394	0.6596
pageb_benchmark_0203.csv	LOF	0.7872	0.6383
pageb_benchmark_1014.csv	KNN	0.9809	0.0
pageb_benchmark_1014.csv	PCA	0.9843	0.0
pageb_benchmark_1014.csv	LOF	0.9585	0.0
pageb_benchmark_0027.csv	KNN	0.8264	0.4065
pageb_benchmark_0027.csv	PCA	0.8622	0.3828
pageb_benchmark_0027.csv	LOF	0.7347	0.3355
pageb_benchmark_1275.csv	KNN	0.7944	0.2189
pageb_benchmark_1275.csv	PCA	0.8274	0.2704
pageb_benchmark_1275.csv	LOF	0.7422	0.1931
pageb_benchmark_0275.csv	KNN	0.6925	0.6163
pageb_benchmark_0275.csv	PCA	0.6636	0.5698
pageb_benchmark_0275.csv	LOF	0.6949	0.6163

pageb_benchmark_1679.csv	KNN	0.5953	0.08
pageb_benchmark_1679.csv	PCA	0.6374	0.14
pageb_benchmark_1679.csv	LOF	0.5975	0.08
pageb_benchmark_0920.csv	KNN	0.7465	0.0
pageb_benchmark_0920.csv	PCA	0.8277	0.0667
pageb_benchmark_0920.csv	LOF	0.7911	0.0
pageb_benchmark_0088.csv	KNN	0.8313	0.4096
pageb_benchmark_0088.csv	PCA	0.8782	0.3711
pageb_benchmark_0088.csv	LOF	0.735	0.3614
pageb_benchmark_0648.csv	KNN	0.7461	0.0588
pageb_benchmark_0648.csv	PCA	0.7619	0.0588
pageb_benchmark_0648.csv	LOF	0.8363	0.0588
pageb_benchmark_0048.csv	KNN	0.7438	0.1765
pageb_benchmark_0048.csv	PCA	0.7722	0.0756
pageb_benchmark_0048.csv	LOF	0.7885	0.2269
pageb_benchmark_0336.csv	KNN	0.9523	0.6
pageb_benchmark_0336.csv	PCA	0.9296	0.6
pageb_benchmark_0336.csv	LOF	0.9607	0.6
pageb_benchmark_0705.csv	KNN	0.9219	0.0
pageb_benchmark_0705.csv	PCA	0.8825	0.0
pageb_benchmark_0705.csv	LOF	0.9234	0.1304
pageb_benchmark_0115.csv	KNN	0.6346	0.0664
pageb_benchmark_0115.csv	PCA	0.7448	0.0586
pageb_benchmark_0115.csv	LOF	0.6165	0.0781
pageb_benchmark_0967.csv	KNN	0.8668	0.1556
pageb_benchmark_0967.csv	PCA	0.9046	0.1778
pageb_benchmark_0967.csv	LOF	0.8678	0.2667
pageb_benchmark_0372.csv	KNN	0.7805	0.2
pageb_benchmark_0372.csv	PCA	0.8344	0.2
pageb_benchmark_0372.csv	LOF	0.8741	0.2
pageb_benchmark_0361.csv	KNN	0.8451	0.0
pageb_benchmark_0361.csv	PCA	0.9202	0.0
pageb_benchmark_0361.csv	LOF	0.8652	0.0
pageb_benchmark_0668.csv	KNN	0.8894	0.1739
pageb_benchmark_0668.csv	PCA	0.9152	0.1739
pageb_benchmark_0668.csv	LOF	0.8583	0.1739
pageb_benchmark_0925.csv	KNN	0.9633	0.4
pageb_benchmark_0925.csv	PCA	0.9525	0.4222
pageb_benchmark_0925.csv	LOF	0.9502	0.4889
pageb_benchmark_0068.csv	KNN	0.7752	0.3704
pageb_benchmark_0068.csv	PCA	0.8449	0.3539
pageb_benchmark_0068.csv	LOF	0.727	0.3477
pageb_benchmark_0317.csv	KNN	0.829	0.0
pageb_benchmark_0317.csv	PCA	0.8295	0.0
pageb_benchmark_0317.csv	LOF	0.886	0.0
pageb_benchmark_0973.csv	KNN	0.8278	0.1111
pageb_benchmark_0973.csv	PCA	0.8711	0.1333
pageb_benchmark_0973.csv	LOF	0.8722	0.1778
pageb_benchmark_0011.csv	KNN	0.7719	0.3349
pageb_benchmark_0011.csv	PCA	0.8048	0.3535
pageb_benchmark_0011.csv	LOF	0.6939	0.2977
pageb_benchmark_0397.csv	KNN	0.7794	0.0
pageb_benchmark_0397.csv	PCA	0.856	0.0
pageb_benchmark_0397.csv	LOF	0.8605	0.0
pageb_benchmark_1211.csv	KNN	0.7856	0.2361
pageb_benchmark_1211.csv	PCA	0.8177	0.279
pageb_benchmark_1211.csv	LOF	0.7565	0.2318

pageb_benchmark_0962.csv	KNN	0.9144	0.3556
pageb_benchmark_0962.csv	PCA	0.9285	0.2667
pageb_benchmark_0962.csv	LOF	0.8764	0.3333
pageb_benchmark_0647.csv	KNN	0.8419	0.0
pageb_benchmark_0647.csv	PCA	0.9185	0.0
pageb_benchmark_0647.csv	LOF	0.668	0.087
pageb_benchmark_0020.csv	KNN	0.704	0.2703
pageb_benchmark_0020.csv	PCA	0.7081	0.2418
pageb_benchmark_0020.csv	LOF	0.6581	0.2505
pageb_benchmark_1602.csv	KNN	0.5891	0.1869
pageb_benchmark_1602.csv	PCA	0.873	0.2426
pageb_benchmark_1602.csv	LOF	0.675	0.2787
pageb_benchmark_0702.csv	KNN	0.8902	0.0
pageb_benchmark_0702.csv	PCA	0.9032	0.0
pageb_benchmark_0702.csv	LOF	0.8717	0.0435
pageb_benchmark_0936.csv	KNN	0.8165	0.3333
pageb_benchmark_0936.csv	PCA	0.8204	0.3556
pageb_benchmark_0936.csv	LOF	0.8611	0.3778
pageb_benchmark_0977.csv	KNN	0.7189	0.0222
pageb_benchmark_0977.csv	PCA	0.7738	0.0889
pageb_benchmark_0977.csv	LOF	0.7655	0.0222
pageb_benchmark_1591.csv	KNN	0.7791	0.3394
pageb_benchmark_1591.csv	PCA	0.8271	0.3171
pageb_benchmark_1591.csv	LOF	0.6619	0.2866
pageb_benchmark_0273.csv	KNN	0.615	0.5698
pageb_benchmark_0273.csv	PCA	0.6329	0.5581
pageb_benchmark_0273.csv	LOF	0.6132	0.593
pageb_benchmark_1270.csv	KNN	0.8616	0.3691
pageb_benchmark_1270.csv	PCA	0.8771	0.2961
pageb_benchmark_1270.csv	LOF	0.7843	0.309
pageb_benchmark_0717.csv	KNN	0.6868	0.0
pageb_benchmark_0717.csv	PCA	0.8006	0.0
pageb_benchmark_0717.csv	LOF	0.7743	0.0
pageb_benchmark_0302.csv	KNN	0.9809	0.0
pageb_benchmark_0302.csv	PCA	0.9671	0.0
pageb_benchmark_0302.csv	LOF	0.9753	0.0
pageb_benchmark_1796.csv	KNN	1.0	1.0
pageb_benchmark_1796.csv	PCA	1.0	1.0
pageb_benchmark_1796.csv	LOF	0.2647	0.0
pageb_benchmark_1582.csv	KNN	0.7757	0.4593
pageb_benchmark_1582.csv	PCA	0.9006	0.4898
pageb_benchmark_1582.csv	LOF	0.7285	0.3516
pageb_benchmark_0931.csv	KNN	0.8877	0.3333
pageb_benchmark_0931.csv	PCA	0.8829	0.3778
pageb_benchmark_0931.csv	LOF	0.9224	0.3556
pageb_benchmark_0957.csv	KNN	0.6134	0.0222
pageb_benchmark_0957.csv	PCA	0.7251	0.0
pageb_benchmark_0957.csv	LOF	0.6711	0.0
pageb_benchmark_1797.csv	KNN	0.9012	0.3333
pageb_benchmark_1797.csv	PCA	0.8765	0.3333
pageb_benchmark_1797.csv	LOF	0.9012	0.3333
pageb_benchmark_0059.csv	KNN	0.6177	0.099
pageb_benchmark_0059.csv	PCA	0.6967	0.115
pageb_benchmark_0059.csv	LOF	0.62	0.115
pageb_benchmark_0018.csv	KNN	0.7096	0.2708
pageb_benchmark_0018.csv	PCA	0.714	0.2562
pageb_benchmark_0018.csv	LOF	0.662	0.2646

pageb_benchmark_0949.csv	KNN	0.7286	0.0
pageb_benchmark_0949.csv	PCA	0.784	0.0222
pageb_benchmark_0949.csv	LOF	0.7889	0.0667
pageb_benchmark_0210.csv	KNN	0.7335	0.4891
pageb_benchmark_0210.csv	PCA	0.7726	0.5543
pageb_benchmark_0210.csv	LOF	0.7266	0.587
pageb_benchmark_1531.csv	KNN	0.8003	0.3699
pageb_benchmark_1531.csv	PCA	0.8119	0.3313
pageb_benchmark_1531.csv	LOF	0.7102	0.2988
pageb_benchmark_1539.csv	KNN	0.7233	0.2622
pageb_benchmark_1539.csv	PCA	0.7269	0.2439
pageb_benchmark_1539.csv	LOF	0.6645	0.2459
pageb_benchmark_1285.csv	KNN	0.8169	0.4249
pageb_benchmark_1285.csv	PCA	0.9135	0.3047
pageb_benchmark_1285.csv	LOF	0.7804	0.2876
pageb_benchmark_1263.csv	KNN	0.8411	0.4678
pageb_benchmark_1263.csv	PCA	0.9211	0.3648
pageb_benchmark_1263.csv	LOF	0.7968	0.3562
pageb_benchmark_0247.csv	KNN	0.712	0.6471
pageb_benchmark_0247.csv	PCA	0.712	0.6235
pageb_benchmark_0247.csv	LOF	0.7069	0.6118
pageb_benchmark_0122.csv	KNN	0.7817	0.5234
pageb_benchmark_0122.csv	PCA	0.8555	0.4844
pageb_benchmark_0122.csv	LOF	0.7836	0.4922
pageb_benchmark_1661.csv	KNN	0.7801	0.3654
pageb_benchmark_1661.csv	PCA	0.7945	0.2308
pageb_benchmark_1661.csv	LOF	0.7749	0.4038
pageb_benchmark_0709.csv	KNN	0.7755	0.0
pageb_benchmark_0709.csv	PCA	0.8375	0.0
pageb_benchmark_0709.csv	LOF	0.7614	0.0
pageb_benchmark_0998.csv	KNN	0.7822	0.0222
pageb_benchmark_0998.csv	PCA	0.847	0.1111
pageb_benchmark_0998.csv	LOF	0.8056	0.0444
pageb_benchmark_0014.csv	KNN	0.7935	0.3432
pageb_benchmark_0014.csv	PCA	0.8092	0.3326
pageb_benchmark_0014.csv	LOF	0.6964	0.3116
pageb_benchmark_1229.csv	KNN	0.8702	0.3433
pageb_benchmark_1229.csv	PCA	0.8807	0.3219
pageb_benchmark_1229.csv	LOF	0.765	0.3391
pageb_benchmark_1667.csv	KNN	0.687	0.1176
pageb_benchmark_1667.csv	PCA	0.7541	0.1765
pageb_benchmark_1667.csv	LOF	0.7217	0.1176
pageb_benchmark_0218.csv	KNN	0.6528	0.4457
pageb_benchmark_0218.csv	PCA	0.6024	0.3913
pageb_benchmark_0218.csv	LOF	0.648	0.413
pageb_benchmark_0638.csv	KNN	0.8147	0.3913
pageb_benchmark_0638.csv	PCA	0.8428	0.4348
pageb_benchmark_0638.csv	LOF	0.8395	0.4348
pageb_benchmark_1010.csv	KNN	0.8152	0.0222
pageb_benchmark_1010.csv	PCA	0.8928	0.0222
pageb_benchmark_1010.csv	LOF	0.7116	0.0889
pageb_benchmark_1567.csv	KNN	0.8101	0.4187
pageb_benchmark_1567.csv	PCA	0.8652	0.3801
pageb_benchmark_1567.csv	LOF	0.7266	0.3415
pageb_benchmark_1281.csv	KNN	0.8577	0.4506
pageb_benchmark_1281.csv	PCA	0.9248	0.3391
pageb_benchmark_1281.csv	LOF	0.7727	0.2961

pageb_benchmark_0402.csv	KNN	0.9062	0.0
pageb_benchmark_0402.csv	PCA	0.8962	0.0
pageb_benchmark_0402.csv	LOF	0.8368	0.0
pageb_benchmark_0701.csv	KNN	0.9868	0.087
pageb_benchmark_0701.csv	PCA	0.9483	0.0435
pageb_benchmark_0701.csv	LOF	0.9748	0.0435
pageb_benchmark_0325.csv	KNN	0.9983	0.6
pageb_benchmark_0325.csv	PCA	0.9772	0.6
pageb_benchmark_0325.csv	LOF	0.9997	0.6
pageb_benchmark_0651.csv	KNN	0.6464	0.0
pageb_benchmark_0651.csv	PCA	0.7138	0.0
pageb_benchmark_0651.csv	LOF	0.7952	0.0
pageb_benchmark_0921.csv	KNN	0.8665	0.4222
pageb_benchmark_0921.csv	PCA	0.9317	0.3778
pageb_benchmark_0921.csv	LOF	0.9045	0.4222
pageb_benchmark_0251.csv	KNN	0.594	0.5287
pageb_benchmark_0251.csv	PCA	0.6186	0.5517
pageb_benchmark_0251.csv	LOF	0.6129	0.5402
pageb_benchmark_0408.csv	KNN	0.6781	0.0
pageb_benchmark_0408.csv	PCA	0.7278	0.0
pageb_benchmark_0408.csv	LOF	0.8667	0.0
pageb_benchmark_1515.csv	KNN	0.7631	0.3211
pageb_benchmark_1515.csv	PCA	0.8087	0.3272
pageb_benchmark_1515.csv	LOF	0.6809	0.2459
pageb_benchmark_0666.csv	KNN	0.8499	0.1739
pageb_benchmark_0666.csv	PCA	0.8972	0.1739
pageb_benchmark_0666.csv	LOF	0.878	0.2609
pageb_benchmark_0699.csv	KNN	0.7719	0.0435
pageb_benchmark_0699.csv	PCA	0.8566	0.087
pageb_benchmark_0699.csv	LOF	0.8051	0.0435
pageb_benchmark_0904.csv	KNN	0.8866	0.3778
pageb_benchmark_0904.csv	PCA	0.9327	0.2889
pageb_benchmark_0904.csv	LOF	0.9107	0.3778
pageb_benchmark_1011.csv	KNN	0.7287	0.0
pageb_benchmark_1011.csv	PCA	0.7881	0.0222
pageb_benchmark_1011.csv	LOF	0.7727	0.0667
pageb_benchmark_0606.csv	KNN	0.8792	0.1739
pageb_benchmark_0606.csv	PCA	0.9019	0.1739
pageb_benchmark_0606.csv	LOF	0.9339	0.2609
pageb_benchmark_1588.csv	KNN	0.8145	0.4004
pageb_benchmark_1588.csv	PCA	0.8378	0.3902
pageb_benchmark_1588.csv	LOF	0.7465	0.376
pageb_benchmark_1551.csv	KNN	0.6623	0.1405
pageb_benchmark_1551.csv	PCA	0.7615	0.1765
pageb_benchmark_1551.csv	LOF	0.6313	0.1961
pageb_benchmark_0901.csv	KNN	0.93	0.2667
pageb_benchmark_0901.csv	PCA	0.9132	0.2667
pageb_benchmark_0901.csv	LOF	0.9119	0.3333
pageb_benchmark_1781.csv	KNN	1.0	1.0
pageb_benchmark_1781.csv	PCA	1.0	1.0
pageb_benchmark_1781.csv	LOF	1.0	1.0
pageb_benchmark_0942.csv	KNN	0.7999	0.0444
pageb_benchmark_0942.csv	PCA	0.8983	0.0222
pageb_benchmark_0942.csv	LOF	0.7803	0.1778
pageb_benchmark_1595.csv	KNN	0.774	0.3191
pageb_benchmark_1595.csv	PCA	0.7985	0.2785
pageb_benchmark_1595.csv	LOF	0.6745	0.2642

pageb_benchmark_1587.csv	KNN	0.7663	0.372
pageb_benchmark_1587.csv	PCA	0.8739	0.3537
pageb_benchmark_1587.csv	LOF	0.6916	0.3191
pageb_benchmark_1248.csv	KNN	0.7452	0.133
pageb_benchmark_1248.csv	PCA	0.855	0.1073
pageb_benchmark_1248.csv	LOF	0.7047	0.1545
pageb_benchmark_0032.csv	KNN	0.7914	0.3672
pageb_benchmark_0032.csv	PCA	0.7991	0.3256
pageb_benchmark_0032.csv	LOF	0.7123	0.2979
pageb_benchmark_0163.csv	KNN	0.6602	0.3038
pageb_benchmark_0163.csv	PCA	0.7867	0.2405
pageb_benchmark_0163.csv	LOF	0.6764	0.3924
pageb_benchmark_0276.csv	KNN	0.5189	0.5
pageb_benchmark_0276.csv	PCA	0.4903	0.4535
pageb_benchmark_0276.csv	LOF	0.4955	0.4767
pageb_benchmark_0403.csv	KNN	0.9423	0.0
pageb_benchmark_0403.csv	PCA	0.9462	0.0
pageb_benchmark_0403.csv	LOF	0.8846	0.0
pageb_benchmark_0109.csv	KNN	0.6788	0.1369
pageb_benchmark_0109.csv	PCA	0.8341	0.1433
pageb_benchmark_0109.csv	LOF	0.6558	0.1975
pageb_benchmark_0663.csv	KNN	0.9227	0.0435
pageb_benchmark_0663.csv	PCA	0.9105	0.0435
pageb_benchmark_0663.csv	LOF	0.889	0.2174
pageb_benchmark_0235.csv	KNN	0.5522	0.3284
pageb_benchmark_0235.csv	PCA	0.5861	0.3134
pageb_benchmark_0235.csv	LOF	0.5783	0.3582
pageb_benchmark_0190.csv	KNN	0.73	0.6154
pageb_benchmark_0190.csv	PCA	0.744	0.5673
pageb_benchmark_0190.csv	LOF	0.7436	0.6154
pageb_benchmark_0650.csv	KNN	0.7991	0.0
pageb_benchmark_0650.csv	PCA	0.8649	0.0
pageb_benchmark_0650.csv	LOF	0.7591	0.087
pageb_benchmark_0983.csv	KNN	0.8465	0.4222
pageb_benchmark_0983.csv	PCA	0.9506	0.3333
pageb_benchmark_0983.csv	LOF	0.8635	0.2889
pageb_benchmark_0158.csv	KNN	0.6371	0.313
pageb_benchmark_0158.csv	PCA	0.6578	0.313
pageb_benchmark_0158.csv	LOF	0.6239	0.2519
pageb_benchmark_1232.csv	KNN	0.8072	0.2704
pageb_benchmark_1232.csv	PCA	0.8413	0.2361
pageb_benchmark_1232.csv	LOF	0.7431	0.2575
pageb_benchmark_0017.csv	KNN	0.7147	0.243
pageb_benchmark_0017.csv	PCA	0.7174	0.2278
pageb_benchmark_0017.csv	LOF	0.6592	0.2213
pageb_benchmark_0669.csv	KNN	0.8689	0.1739
pageb_benchmark_0669.csv	PCA	0.8974	0.2174
pageb_benchmark_0669.csv	LOF	0.877	0.1304
pageb_benchmark_1220.csv	KNN	0.7143	0.1416
pageb_benchmark_1220.csv	PCA	0.7266	0.1459
pageb_benchmark_1220.csv	LOF	0.713	0.1545
pageb_benchmark_0156.csv	KNN	0.7285	0.3784
pageb_benchmark_0156.csv	PCA	0.7052	0.3604
pageb_benchmark_0156.csv	LOF	0.7363	0.3423
pageb_benchmark_0356.csv	KNN	0.6892	0.0
pageb_benchmark_0356.csv	PCA	0.7579	0.0
pageb_benchmark_0356.csv	LOF	0.7494	0.0

pageb_benchmark_0263.csv	KNN	0.6944	0.5882
pageb_benchmark_0263.csv	PCA	0.7083	0.6353
pageb_benchmark_0263.csv	LOF	0.7286	0.6353
pageb_benchmark_0602.csv	KNN	0.9514	0.2609
pageb_benchmark_0602.csv	PCA	0.929	0.2609
pageb_benchmark_0602.csv	LOF	0.9405	0.3478
pageb_benchmark_0291.csv	KNN	0.5518	0.4783
pageb_benchmark_0291.csv	PCA	0.556	0.4565
pageb_benchmark_0291.csv	LOF	0.5262	0.5217
pageb_benchmark_0992.csv	KNN	0.7646	0.0444
pageb_benchmark_0992.csv	PCA	0.8464	0.1111
pageb_benchmark_0992.csv	LOF	0.7632	0.0222
pageb_benchmark_0029.csv	KNN	0.7912	0.3598
pageb_benchmark_0029.csv	PCA	0.8679	0.3532
pageb_benchmark_0029.csv	LOF	0.689	0.3113
pageb_benchmark_0022.csv	KNN	0.7824	0.4716
pageb_benchmark_0022.csv	PCA	0.9069	0.5189
pageb_benchmark_0022.csv	LOF	0.7527	0.3887
pageb_benchmark_0148.csv	KNN	0.7659	0.4308
pageb_benchmark_0148.csv	PCA	0.8054	0.4154
pageb_benchmark_0148.csv	LOF	0.7535	0.4385
pageb_benchmark_0919.csv	KNN	0.7975	0.0222
pageb_benchmark_0919.csv	PCA	0.8618	0.0889
pageb_benchmark_0919.csv	LOF	0.8541	0.0222
pageb_benchmark_1511.csv	KNN	0.7677	0.3313
pageb_benchmark_1511.csv	PCA	0.8051	0.3028
pageb_benchmark_1511.csv	LOF	0.7043	0.2764
pageb_benchmark_0277.csv	KNN	0.6534	0.5833
pageb_benchmark_0277.csv	PCA	0.6432	0.5595
pageb_benchmark_0277.csv	LOF	0.6403	0.5595
pageb_benchmark_1577.csv	KNN	0.7053	0.2541
pageb_benchmark_1577.csv	PCA	0.7176	0.2256
pageb_benchmark_1577.csv	LOF	0.6391	0.2134
pageb_benchmark_1561.csv	KNN	0.7777	0.4553
pageb_benchmark_1561.csv	PCA	0.9028	0.498
pageb_benchmark_1561.csv	LOF	0.7376	0.3577
pageb_benchmark_1273.csv	KNN	0.8211	0.2489
pageb_benchmark_1273.csv	PCA	0.8301	0.2275
pageb_benchmark_1273.csv	LOF	0.7452	0.1931
pageb_benchmark_0165.csv	KNN	0.689	0.321
pageb_benchmark_0165.csv	PCA	0.7724	0.2593
pageb_benchmark_0165.csv	LOF	0.7273	0.4198
pageb_benchmark_1501.csv	KNN	0.7838	0.4573
pageb_benchmark_1501.csv	PCA	0.9049	0.5041
pageb_benchmark_1501.csv	LOF	0.7387	0.3699
pageb_benchmark_0144.csv	KNN	0.7696	0.5
pageb_benchmark_0144.csv	PCA	0.8562	0.5079
pageb_benchmark_0144.csv	LOF	0.7833	0.5714
pageb_benchmark_1017.csv	KNN	0.722	0.0444
pageb_benchmark_1017.csv	PCA	0.7921	0.0222
pageb_benchmark_1017.csv	LOF	0.7735	0.0444
pageb_benchmark_0262.csv	KNN	0.7117	0.5977
pageb_benchmark_0262.csv	PCA	0.7216	0.6667
pageb_benchmark_0262.csv	LOF	0.726	0.6092
pageb_benchmark_0061.csv	KNN	0.795	0.4484
pageb_benchmark_0061.csv	PCA	0.9072	0.48
pageb_benchmark_0061.csv	LOF	0.7356	0.3427

pageb_benchmark_0076.csv	KNN	0.7278	0.246	
pageb_benchmark_0076.csv	PCA	0.7413	0.2369	
pageb_benchmark_0076.csv	LOF	0.6523	0.2187	
pageb_benchmark_0687.csv	KNN	0.8846	0.1304	
pageb_benchmark_0687.csv	PCA	0.8936	0.087	
pageb_benchmark_0687.csv	LOF	0.9101	0.2174	
pageb_benchmark_0398.csv	KNN	0.9672	0.2	
pageb_benchmark_0398.csv	PCA	0.9741	0.0	
pageb_benchmark_0398.csv	LOF	0.9384	0.2	
pageb_benchmark_0667.csv	KNN	0.8578	0.087	
pageb_benchmark_0667.csv	PCA	0.8974	0.1304	
pageb_benchmark_0667.csv	LOF	0.8884	0.0435	
pageb_benchmark_1521.csv	KNN	0.7751	0.4614	
pageb_benchmark_1521.csv	PCA	0.9062	0.5142	
pageb_benchmark_1521.csv	LOF	0.7483	0.372	
pageb_benchmark_0628.csv	KNN	0.905	0.5652	
pageb_benchmark_0628.csv	PCA	0.912	0.6087	
pageb_benchmark_0628.csv	LOF	0.9396	0.5652	
pageb_benchmark_1784.csv	KNN	1.0	1.0	
pageb_benchmark_1784.csv	PCA	0.9877	0.6667	
pageb_benchmark_1784.csv	LOF	1.0	1.0	
pageb_benchmark_1312.csv	KNN	0.7267	0.1202	
pageb_benchmark_1312.csv	PCA	0.8079	0.103	
pageb_benchmark_1312.csv	LOF	0.7142	0.1373	
pageb_benchmark_1571.csv	KNN	0.7561	0.2927	
pageb_benchmark_1571.csv	PCA	0.7999	0.315	
pageb_benchmark_1571.csv	LOF	0.678	0.2866	
pageb_benchmark_0096.csv	KNN	0.7282	0.2489	
pageb_benchmark_0096.csv	PCA	0.725	0.2466	
pageb_benchmark_0096.csv	LOF	0.664	0.2308	
pageb_benchmark_0681.csv	KNN	0.9331	0.3478	
pageb_benchmark_0681.csv	PCA	0.9345	0.3043	
pageb_benchmark_0681.csv	LOF	0.9213	0.2174	
pageb_benchmark_1271.csv	KNN	0.7956	0.206	
pageb_benchmark_1271.csv	PCA	0.842	0.2661	
pageb_benchmark_1271.csv	LOF	0.7283	0.2146	
pageb_benchmark_0656.csv	KNN	0.7202	0.0	
pageb_benchmark_0656.csv	PCA	0.8367	0.0435	
pageb_benchmark_0656.csv	LOF	0.789	0.0	
pageb_benchmark_0075.csv	KNN	0.7809	0.3597	
pageb_benchmark_0075.csv	PCA	0.8165	0.3576	
pageb_benchmark_0075.csv	LOF	0.7029	0.2976	
pageb_benchmark_0395.csv	KNN	0.8329	0.0	
pageb_benchmark_0395.csv	PCA	0.8648	0.2	
pageb_benchmark_0395.csv	LOF	0.882	0.0	
pageb_benchmark_1538.csv	KNN	0.7285	0.2947	
pageb_benchmark_1538.csv	PCA	0.7364	0.2907	
pageb_benchmark_1538.csv	LOF	0.6705	0.2398	
pageb_benchmark_0695.csv	KNN	0.8267	0.0435	
pageb_benchmark_0695.csv	PCA	0.8635	0.087	
pageb_benchmark_0695.csv	LOF	0.8555	0.1304	
pageb_benchmark_0694.csv	KNN	0.8271	0.1739	
pageb_benchmark_0694.csv	PCA	0.8681	0.2174	
pageb_benchmark_0694.csv	LOF	0.8829	0.1739	
pageb_benchmark_1585.csv	KNN	0.7808	0.4614	
pageb_benchmark_1585.csv	PCA	0.902	0.4776	
pageb_benchmark_1585.csv	LOF	0.7274	0.3537	

pageb_benchmark_0978.csv	KNN	0.7056	0.0444	
pageb_benchmark_0978.csv	PCA	0.746	0.0444	
pageb_benchmark_0978.csv	LOF	0.7857	0.0444	
pageb_benchmark_0373.csv	KNN	0.6826	0.0	
pageb_benchmark_0373.csv	PCA	0.793	0.2	
pageb_benchmark_0373.csv	LOF	0.6883	0.0	
pageb_benchmark_1266.csv	KNN	0.8616	0.3906	
pageb_benchmark_1266.csv	PCA	0.8911	0.3348	
pageb_benchmark_1266.csv	LOF	0.7613	0.3004	
pageb_benchmark_0200.csv	KNN	0.6784	0.4731	
pageb_benchmark_0200.csv	PCA	0.6618	0.4624	
pageb_benchmark_0200.csv	LOF	0.6682	0.4731	
pageb_benchmark_0964.csv	KNN	0.9228	0.2444	
pageb_benchmark_0964.csv	PCA	0.9218	0.1556	
pageb_benchmark_0964.csv	LOF	0.8393	0.2667	
pageb_benchmark_1613.csv	KNN	0.6301	0.1456	
pageb_benchmark_1613.csv	PCA	0.763	0.1456	
pageb_benchmark_1613.csv	LOF	0.6223	0.1748	
pageb_benchmark_0201.csv	KNN	0.7695	0.5789	
pageb_benchmark_0201.csv	PCA	0.8098	0.6211	
pageb_benchmark_0201.csv	LOF	0.7582	0.6211	
pageb_benchmark_0963.csv	KNN	0.8832	0.3111	
pageb_benchmark_0963.csv	PCA	0.9285	0.2222	
pageb_benchmark_0963.csv	LOF	0.8012	0.3333	
pageb_benchmark_1253.csv	KNN	0.6762	0.08	
pageb_benchmark_1253.csv	PCA	0.743	0.075	
pageb_benchmark_1253.csv	LOF	0.7477	0.13	
pageb_benchmark_0213.csv	KNN	0.7132	0.5417	
pageb_benchmark_0213.csv	PCA	0.7137	0.5	
pageb_benchmark_0213.csv	LOF	0.7307	0.5729	
pageb_benchmark_0912.csv	KNN	0.8288	0.0889	
pageb_benchmark_0912.csv	PCA	0.8742	0.2	
pageb_benchmark_0912.csv	LOF	0.8636	0.0667	
pageb_benchmark_0365.csv	KNN	0.949	0.2	
pageb_benchmark_0365.csv	PCA	0.95	0.0	
pageb_benchmark_0365.csv	LOF	0.8245	0.2	
pageb_benchmark_0624.csv	KNN	0.9365	0.6957	
pageb_benchmark_0624.csv	PCA	0.9579	0.6957	
pageb_benchmark_0624.csv	LOF	0.9688	0.6957	
pageb_benchmark_0670.csv	KNN	0.8815	0.2609	
pageb_benchmark_0670.csv	PCA	0.9022	0.2174	
pageb_benchmark_0670.csv	LOF	0.9222	0.3478	
pageb_benchmark_0385.csv	KNN	0.9967	0.2	
pageb_benchmark_0385.csv	PCA	0.9927	0.0	
pageb_benchmark_0385.csv	LOF	0.9938	0.2	
pageb_benchmark_0211.csv	KNN	0.7436	0.5543	
pageb_benchmark_0211.csv	PCA	0.7235	0.5217	
pageb_benchmark_0211.csv	LOF	0.7224	0.5326	
pageb_benchmark_0703.csv	KNN	0.8323	0.0435	
pageb_benchmark_0703.csv	PCA	0.9321	0.0435	
pageb_benchmark_0703.csv	LOF	0.7724	0.087	
pageb_benchmark_0268.csv	KNN	0.675	0.5663	
pageb_benchmark_0268.csv	PCA	0.6807	0.5663	
pageb_benchmark_0268.csv	LOF	0.7101	0.6024	
pageb_benchmark_0230.csv	KNN	0.5388	0.2982	
pageb_benchmark_0230.csv	PCA	0.6115	0.3333	
pageb_benchmark_0230.csv	LOF	0.5531	0.3333	

pageb_benchmark_1669.csv	KNN	0.7108	0.2653
pageb_benchmark_1669.csv	PCA	0.7567	0.18
pageb_benchmark_1669.csv	LOF	0.7041	0.26
pageb_benchmark_0167.csv	KNN	0.6285	0.2209
pageb_benchmark_0167.csv	PCA	0.6778	0.186
pageb_benchmark_0167.csv	LOF	0.6306	0.2093
pageb_benchmark_1663.csv	KNN	0.7534	0.3
pageb_benchmark_1663.csv	PCA	0.7913	0.1961
pageb_benchmark_1663.csv	LOF	0.7895	0.4118
pageb_benchmark_1509.csv	KNN	0.817	0.4004
pageb_benchmark_1509.csv	PCA	0.8522	0.4024
pageb_benchmark_1509.csv	LOF	0.7428	0.3821
pageb_benchmark_0281.csv	KNN	0.5767	0.431
pageb_benchmark_0281.csv	PCA	0.5869	0.5085
pageb_benchmark_0281.csv	LOF	0.6259	0.5254
pageb_benchmark_0332.csv	KNN	0.9919	0.6
pageb_benchmark_0332.csv	PCA	0.9827	0.6
pageb_benchmark_0332.csv	LOF	0.9938	0.6
pageb_benchmark_0191.csv	KNN	0.6868	0.5
pageb_benchmark_0191.csv	PCA	0.6892	0.4898
pageb_benchmark_0191.csv	LOF	0.6856	0.5306
pageb_benchmark_1291.csv	KNN	0.8277	0.2489
pageb_benchmark_1291.csv	PCA	0.8369	0.2961
pageb_benchmark_1291.csv	LOF	0.7669	0.2189
pageb_benchmark_1541.csv	KNN	0.5874	0.1981
pageb_benchmark_1541.csv	PCA	0.8641	0.2208
pageb_benchmark_1541.csv	LOF	0.6691	0.3052
pageb_benchmark_1678.csv	KNN	0.5663	0.1373
pageb_benchmark_1678.csv	PCA	0.6232	0.1765
pageb_benchmark_1678.csv	LOF	0.5893	0.1569
pageb_benchmark_0379.csv	KNN	0.8716	0.0
pageb_benchmark_0379.csv	PCA	0.9154	0.0
pageb_benchmark_0379.csv	LOF	0.7187	0.0
pageb_benchmark_1241.csv	KNN	0.8345	0.25
pageb_benchmark_1241.csv	PCA	0.8511	0.0983
pageb_benchmark_1241.csv	LOF	0.7964	0.1734
pageb_benchmark_0072.csv	KNN	0.7703	0.3326
pageb_benchmark_0072.csv	PCA	0.7891	0.3106
pageb_benchmark_0072.csv	LOF	0.6777	0.2996
pageb_benchmark_0706.csv	KNN	0.8214	0.0
pageb_benchmark_0706.csv	PCA	0.853	0.0
pageb_benchmark_0706.csv	LOF	0.8579	0.0
pageb_benchmark_1525.csv	KNN	0.7828	0.4675
pageb_benchmark_1525.csv	PCA	0.9045	0.4919
pageb_benchmark_1525.csv	LOF	0.7383	0.3516
pageb_benchmark_0107.csv	KNN	0.6843	0.1736
pageb_benchmark_0107.csv	PCA	0.8271	0.1318
pageb_benchmark_0107.csv	LOF	0.6965	0.2476
pageb_benchmark_1546.csv	KNN	0.7244	0.2123
pageb_benchmark_1546.csv	PCA	0.7545	0.1564
pageb_benchmark_1546.csv	LOF	0.7536	0.2682
pageb_benchmark_0161.csv	KNN	0.6033	0.2963
pageb_benchmark_0161.csv	PCA	0.749	0.2099
pageb_benchmark_0161.csv	LOF	0.6519	0.3704
pageb_benchmark_1001.csv	KNN	0.8423	0.0444
pageb_benchmark_1001.csv	PCA	0.868	0.0444
pageb_benchmark_1001.csv	LOF	0.7448	0.1111

pageb_benchmark_0915.csv	KNN	0.8873	0.0444
pageb_benchmark_0915.csv	PCA	0.9069	0.0889
pageb_benchmark_0915.csv	LOF	0.8785	0.0444
pageb_benchmark_0363.csv	KNN	0.9685	0.0
pageb_benchmark_0363.csv	PCA	0.9603	0.0
pageb_benchmark_0363.csv	LOF	0.9577	0.2
pageb_benchmark_0677.csv	KNN	0.7684	0.087
pageb_benchmark_0677.csv	PCA	0.8364	0.1304
pageb_benchmark_0677.csv	LOF	0.807	0.1304
pageb_benchmark_0025.csv	KNN	0.7823	0.4653
pageb_benchmark_0025.csv	PCA	0.9073	0.5235
pageb_benchmark_0025.csv	LOF	0.7245	0.3647
pageb_benchmark_0622.csv	KNN	0.9718	0.4783
pageb_benchmark_0622.csv	PCA	0.9249	0.4783
pageb_benchmark_0622.csv	LOF	0.9736	0.5217
pageb_benchmark_0946.csv	KNN	0.9354	0.0222
pageb_benchmark_0946.csv	PCA	0.9611	0.1778
pageb_benchmark_0946.csv	LOF	0.6093	0.0444
pageb_benchmark_1593.csv	KNN	0.7592	0.3191
pageb_benchmark_1593.csv	PCA	0.7936	0.3028
pageb_benchmark_1593.csv	LOF	0.6659	0.2602
pageb_benchmark_1283.csv	KNN	0.8243	0.4764
pageb_benchmark_1283.csv	PCA	0.9159	0.309
pageb_benchmark_1283.csv	LOF	0.7912	0.3519
pageb_benchmark_1573.csv	KNN	0.8047	0.3516
pageb_benchmark_1573.csv	PCA	0.81	0.3659
pageb_benchmark_1573.csv	LOF	0.6973	0.2886
pageb_benchmark_1675.csv	KNN	0.6452	0.1961
pageb_benchmark_1675.csv	PCA	0.6882	0.2353
pageb_benchmark_1675.csv	LOF	0.6614	0.1765
pageb_benchmark_0905.csv	KNN	0.8786	0.3111
pageb_benchmark_0905.csv	PCA	0.9438	0.2667
pageb_benchmark_0905.csv	LOF	0.822	0.3333
pageb_benchmark_1076.csv	KNN	0.9179	0.0
pageb_benchmark_1076.csv	PCA	0.8677	0.0
pageb_benchmark_1076.csv	LOF	0.9062	0.0
pageb_benchmark_0376.csv	KNN	0.8103	0.0
pageb_benchmark_0376.csv	PCA	0.8691	0.0
pageb_benchmark_0376.csv	LOF	0.9239	0.0
pageb_benchmark_0150.csv	KNN	0.7258	0.4
pageb_benchmark_0150.csv	PCA	0.7747	0.328
pageb_benchmark_0150.csv	LOF	0.7121	0.376
pageb_benchmark_0414.csv	KNN	0.8285	0.0
pageb_benchmark_0414.csv	PCA	0.8608	0.0
pageb_benchmark_0414.csv	LOF	0.8472	0.0
pageb_benchmark_1600.csv	KNN	0.7053	0.2459
pageb_benchmark_1600.csv	PCA	0.7124	0.2134
pageb_benchmark_1600.csv	LOF	0.6333	0.2073
pageb_benchmark_1217.csv	KNN	0.7316	0.176
pageb_benchmark_1217.csv	PCA	0.7469	0.1888
pageb_benchmark_1217.csv	LOF	0.7005	0.1588
pageb_benchmark_0111.csv	KNN	1.0	1.0
pageb_benchmark_0111.csv	PCA	0.9981	0.75
pageb_benchmark_0111.csv	LOF	0.9942	0.75
pageb_benchmark_1672.csv	KNN	0.6452	0.1667
pageb_benchmark_1672.csv	PCA	0.6556	0.2083
pageb_benchmark_1672.csv	LOF	0.652	0.2708

pageb_benchmark_0903.csv	KNN	0.8984	0.4222
pageb_benchmark_0903.csv	PCA	0.9446	0.3111
pageb_benchmark_0903.csv	LOF	0.8374	0.3111
pageb_benchmark_0154.csv	KNN	0.7444	0.3967
pageb_benchmark_0154.csv	PCA	0.7594	0.3884
pageb_benchmark_0154.csv	LOF	0.7547	0.3802
pageb_benchmark_0006.csv	KNN	0.8343	0.4353
pageb_benchmark_0006.csv	PCA	0.8424	0.3795
pageb_benchmark_0006.csv	LOF	0.7317	0.3862
pageb_benchmark_0391.csv	KNN	0.8046	0.0
pageb_benchmark_0391.csv	PCA	0.8238	0.0
pageb_benchmark_0391.csv	LOF	0.8826	0.0
pageb_benchmark_0927.csv	KNN	0.9541	0.4667
pageb_benchmark_0927.csv	PCA	0.9591	0.4889
pageb_benchmark_0927.csv	LOF	0.9469	0.4889
pageb_benchmark_0407.csv	KNN	0.8737	0.0
pageb_benchmark_0407.csv	PCA	0.8721	0.0
pageb_benchmark_0407.csv	LOF	0.8971	0.0
pageb_benchmark_0375.csv	KNN	0.7646	0.0
pageb_benchmark_0375.csv	PCA	0.8646	0.0
pageb_benchmark_0375.csv	LOF	0.7841	0.0
pageb_benchmark_1302.csv	KNN	0.685	0.2017
pageb_benchmark_1302.csv	PCA	0.8682	0.073
pageb_benchmark_1302.csv	LOF	0.6929	0.1803
pageb_benchmark_0137.csv	KNN	0.6292	0.3056
pageb_benchmark_0137.csv	PCA	0.6331	0.3056
pageb_benchmark_0137.csv	LOF	0.6007	0.2569
pageb_benchmark_1206.csv	KNN	0.8361	0.3562
pageb_benchmark_1206.csv	PCA	0.8753	0.2618
pageb_benchmark_1206.csv	LOF	0.7814	0.2961
pageb_benchmark_0641.csv	KNN	0.794	0.0
pageb_benchmark_0641.csv	PCA	0.9945	0.1739
pageb_benchmark_0641.csv	LOF	0.2535	0.0
pageb_benchmark_0956.csv	KNN	0.7245	0.0222
pageb_benchmark_0956.csv	PCA	0.8044	0.0222
pageb_benchmark_0956.csv	LOF	0.7814	0.0222
pageb_benchmark_0217.csv	KNN	0.6321	0.4301
pageb_benchmark_0217.csv	PCA	0.6006	0.3978
pageb_benchmark_0217.csv	LOF	0.6264	0.4194
pageb_benchmark_1234.csv	KNN	0.8205	0.2575
pageb_benchmark_1234.csv	PCA	0.8417	0.2661
pageb_benchmark_1234.csv	LOF	0.7455	0.2618
pageb_benchmark_0631.csv	KNN	0.9528	0.4783
pageb_benchmark_0631.csv	PCA	0.9606	0.4783
pageb_benchmark_0631.csv	LOF	0.9613	0.4783
pageb_benchmark_0396.csv	KNN	0.6423	0.0
pageb_benchmark_0396.csv	PCA	0.718	0.0
pageb_benchmark_0396.csv	LOF	0.7337	0.0
pageb_benchmark_0383.csv	KNN	0.9791	0.2
pageb_benchmark_0383.csv	PCA	0.9552	0.2
pageb_benchmark_0383.csv	LOF	0.9762	0.2
pageb_benchmark_0112.csv	KNN	0.641	0.0903
pageb_benchmark_0112.csv	PCA	0.7629	0.1277
pageb_benchmark_0112.csv	LOF	0.6177	0.1308
pageb_benchmark_0009.csv	KNN	0.8127	0.4
pageb_benchmark_0009.csv	PCA	0.8592	0.3692
pageb_benchmark_0009.csv	LOF	0.7414	0.3868

pageb_benchmark_0008.csv	KNN	0.7736	0.3694
pageb_benchmark_0008.csv	PCA	0.8808	0.3779
pageb_benchmark_0008.csv	LOF	0.6814	0.2887
pageb_benchmark_0270.csv	KNN	0.6912	0.5647
pageb_benchmark_0270.csv	PCA	0.6977	0.6118
pageb_benchmark_0270.csv	LOF	0.6945	0.5882
pageb_benchmark_0178.csv	KNN	0.5506	0.119
pageb_benchmark_0178.csv	PCA	0.5816	0.1071
pageb_benchmark_0178.csv	LOF	0.5751	0.119
pageb_benchmark_0346.csv	KNN	0.9921	0.0
pageb_benchmark_0346.csv	PCA	0.9918	0.0
pageb_benchmark_0346.csv	LOF	0.9957	0.0
pageb_benchmark_0292.csv	KNN	0.6152	0.5352
pageb_benchmark_0292.csv	PCA	0.5784	0.5352
pageb_benchmark_0292.csv	LOF	0.6105	0.5211
pageb_benchmark_0673.csv	KNN	0.833	0.0
pageb_benchmark_0673.csv	PCA	0.8835	0.0435
pageb_benchmark_0673.csv	LOF	0.8606	0.0435
pageb_benchmark_0192.csv	KNN	0.7091	0.5
pageb_benchmark_0192.csv	PCA	0.674	0.4894
pageb_benchmark_0192.csv	LOF	0.7012	0.5319
pageb_benchmark_1524.csv	KNN	0.7806	0.4553
pageb_benchmark_1524.csv	PCA	0.9066	0.502
pageb_benchmark_1524.csv	LOF	0.75	0.3557
pageb_benchmark_0603.csv	KNN	0.9467	0.2609
pageb_benchmark_0603.csv	PCA	0.9236	0.1739
pageb_benchmark_0603.csv	LOF	0.9345	0.3043
pageb_benchmark_0918.csv	KNN	0.798	0.0667
pageb_benchmark_0918.csv	PCA	0.8322	0.0889
pageb_benchmark_0918.csv	LOF	0.8564	0.0444
pageb_benchmark_0907.csv	KNN	0.8642	0.2444
pageb_benchmark_0907.csv	PCA	0.9109	0.2667
pageb_benchmark_0907.csv	LOF	0.8005	0.2667
pageb_benchmark_1294.csv	KNN	0.8037	0.2275
pageb_benchmark_1294.csv	PCA	0.8451	0.2704
pageb_benchmark_1294.csv	LOF	0.7245	0.2189
pageb_benchmark_1506.csv	KNN	0.7927	0.372
pageb_benchmark_1506.csv	PCA	0.8558	0.3089
pageb_benchmark_1506.csv	LOF	0.7268	0.3313
pageb_benchmark_0649.csv	KNN	0.8476	0.0
pageb_benchmark_0649.csv	PCA	0.8891	0.0
pageb_benchmark_0649.csv	LOF	0.6923	0.0
pageb_benchmark_1222.csv	KNN	0.8429	0.4506
pageb_benchmark_1222.csv	PCA	0.9231	0.3391
pageb_benchmark_1222.csv	LOF	0.8019	0.3562
pageb_benchmark_0349.csv	KNN	0.9582	0.0
pageb_benchmark_0349.csv	PCA	0.9587	0.0
pageb_benchmark_0349.csv	LOF	0.9078	0.0
pageb_benchmark_1019.csv	KNN	0.7868	0.0
pageb_benchmark_1019.csv	PCA	0.8451	0.0444
pageb_benchmark_1019.csv	LOF	0.8213	0.0
pageb_benchmark_0323.csv	KNN	0.9653	0.8
pageb_benchmark_0323.csv	PCA	0.9469	0.8
pageb_benchmark_0323.csv	LOF	0.9827	0.8
pageb_benchmark_0987.csv	KNN	0.8888	0.1111
pageb_benchmark_0987.csv	PCA	0.9196	0.1556
pageb_benchmark_0987.csv	LOF	0.8687	0.1556

pageb_benchmark_0043.csv	KNN	0.6144	0.1836
pageb_benchmark_0043.csv	PCA	0.8806	0.1738
pageb_benchmark_0043.csv	LOF	0.6704	0.259
pageb_benchmark_0067.csv	KNN	0.7872	0.3812
pageb_benchmark_0067.csv	PCA	0.8623	0.334
pageb_benchmark_0067.csv	LOF	0.6946	0.3298
pageb_benchmark_0250.csv	KNN	0.6432	0.5595
pageb_benchmark_0250.csv	PCA	0.6804	0.5952
pageb_benchmark_0250.csv	LOF	0.6505	0.5714
pageb_benchmark_1788.csv	KNN	1.0	1.0
pageb_benchmark_1788.csv	PCA	1.0	1.0
pageb_benchmark_1788.csv	LOF	1.0	1.0
pageb_benchmark_0185.csv	KNN	0.7751	0.5938
pageb_benchmark_0185.csv	PCA	0.8266	0.6316
pageb_benchmark_0185.csv	LOF	0.7909	0.6458
pageb_benchmark_0377.csv	KNN	0.8356	0.0
pageb_benchmark_0377.csv	PCA	0.9097	0.4
pageb_benchmark_0377.csv	LOF	0.901	0.2
pageb_benchmark_0698.csv	KNN	0.8389	0.0435
pageb_benchmark_0698.csv	PCA	0.8775	0.1304
pageb_benchmark_0698.csv	LOF	0.8711	0.0435
pageb_benchmark_0166.csv	KNN	0.6788	0.2841
pageb_benchmark_0166.csv	PCA	0.7679	0.2727
pageb_benchmark_0166.csv	LOF	0.7023	0.3523
pageb_benchmark_1300.csv	KNN	0.7225	0.1416
pageb_benchmark_1300.csv	PCA	0.7413	0.1631
pageb_benchmark_1300.csv	LOF	0.6916	0.133
pageb_benchmark_1558.csv	KNN	0.6729	0.122
pageb_benchmark_1558.csv	PCA	0.7761	0.1463
pageb_benchmark_1558.csv	LOF	0.2797	0.0244
pageb_benchmark_0021.csv	KNN	0.7669	0.4644
pageb_benchmark_0021.csv	PCA	0.9091	0.5305
pageb_benchmark_0021.csv	LOF	0.7413	0.374
pageb_benchmark_0069.csv	KNN	0.8139	0.3945
pageb_benchmark_0069.csv	PCA	0.8631	0.3257
pageb_benchmark_0069.csv	LOF	0.7218	0.3486
pageb_benchmark_0082.csv	KNN	0.7903	0.4761
pageb_benchmark_0082.csv	PCA	0.907	0.5239
pageb_benchmark_0082.csv	LOF	0.7475	0.387
pageb_benchmark_0405.csv	KNN	0.9303	0.0
pageb_benchmark_0405.csv	PCA	0.9235	0.0
pageb_benchmark_0405.csv	LOF	0.7987	0.0
pageb_benchmark_1534.csv	KNN	0.7645	0.3069
pageb_benchmark_1534.csv	PCA	0.8032	0.2988
pageb_benchmark_1534.csv	LOF	0.682	0.2866
pageb_benchmark_0947.csv	KNN	0.8732	0.0
pageb_benchmark_0947.csv	PCA	0.8841	0.0
pageb_benchmark_0947.csv	LOF	0.8725	0.0889
pageb_benchmark_1516.csv	KNN	0.7243	0.2622
pageb_benchmark_1516.csv	PCA	0.7303	0.2846
pageb_benchmark_1516.csv	LOF	0.6747	0.2175
pageb_benchmark_0308.csv	KNN	0.8867	0.0
pageb_benchmark_0308.csv	PCA	0.9327	0.0
pageb_benchmark_0308.csv	LOF	0.7948	0.0
pageb_benchmark_0309.csv	KNN	0.8889	0.0
pageb_benchmark_0309.csv	PCA	0.8851	0.0
pageb_benchmark_0309.csv	LOF	0.8942	0.0

pageb_benchmark_0182.csv	KNN	0.7544	0.5543
pageb_benchmark_0182.csv	PCA	0.8051	0.6087
pageb_benchmark_0182.csv	LOF	0.7794	0.6413
pageb_benchmark_0617.csv	KNN	0.7804	0.0
pageb_benchmark_0617.csv	PCA	0.8251	0.087
pageb_benchmark_0617.csv	LOF	0.8504	0.0
pageb_benchmark_0099.csv	KNN	0.7202	0.2782
pageb_benchmark_0099.csv	PCA	0.7214	0.252
pageb_benchmark_0099.csv	LOF	0.6342	0.2298
pageb_benchmark_0085.csv	KNN	0.7721	0.4519
pageb_benchmark_0085.csv	PCA	0.9039	0.5
pageb_benchmark_0085.csv	LOF	0.743	0.3828
pageb_benchmark_0368.csv	KNN	0.857	0.0
pageb_benchmark_0368.csv	PCA	0.9197	0.0
pageb_benchmark_0368.csv	LOF	0.91	0.0
pageb_benchmark_1254.csv	KNN	0.7167	0.1159
pageb_benchmark_1254.csv	PCA	0.8055	0.1288
pageb_benchmark_1254.csv	LOF	0.7029	0.1588
pageb_benchmark_1306.csv	KNN	0.7338	0.1073
pageb_benchmark_1306.csv	PCA	0.8691	0.1373
pageb_benchmark_1306.csv	LOF	0.717	0.1974
pageb_benchmark_0290.csv	KNN	0.6055	0.4923
pageb_benchmark_0290.csv	PCA	0.5827	0.5077
pageb_benchmark_0290.csv	LOF	0.5886	0.4923
pageb_benchmark_1798.csv	KNN	1.0	1.0
pageb_benchmark_1798.csv	PCA	0.7536	0.3333
pageb_benchmark_1798.csv	LOF	1.0	1.0
pageb_benchmark_0257.csv	KNN	0.6375	0.5663
pageb_benchmark_0257.csv	PCA	0.6232	0.5663
pageb_benchmark_0257.csv	LOF	0.6481	0.5783
pageb_benchmark_1005.csv	KNN	0.8624	0.1
pageb_benchmark_1005.csv	PCA	0.991	0.3
pageb_benchmark_1005.csv	LOF	0.5438	0.0
pageb_benchmark_1313.csv	KNN	0.7073	0.0987
pageb_benchmark_1313.csv	PCA	0.8197	0.1416
pageb_benchmark_1313.csv	LOF	0.65	0.1588
pageb_benchmark_1278.csv	KNN	0.7645	0.2017
pageb_benchmark_1278.csv	PCA	0.7828	0.2403
pageb_benchmark_1278.csv	LOF	0.7462	0.1717
pageb_benchmark_0199.csv	KNN	0.6738	0.4896
pageb_benchmark_0199.csv	PCA	0.652	0.4896
pageb_benchmark_0199.csv	LOF	0.658	0.4896
pageb_benchmark_1230.csv	KNN	0.8583	0.4163
pageb_benchmark_1230.csv	PCA	0.8846	0.3262
pageb_benchmark_1230.csv	LOF	0.7948	0.3734
pageb_benchmark_1002.csv	KNN	0.877	0.0889
pageb_benchmark_1002.csv	PCA	0.9131	0.0444
pageb_benchmark_1002.csv	LOF	0.845	0.1111
pageb_benchmark_1268.csv	KNN	0.8329	0.3391
pageb_benchmark_1268.csv	PCA	0.8688	0.2446
pageb_benchmark_1268.csv	LOF	0.7718	0.3519
pageb_benchmark_0282.csv	KNN	0.574	0.4746
pageb_benchmark_0282.csv	PCA	0.5706	0.5085
pageb_benchmark_0282.csv	LOF	0.5696	0.5085
pageb_benchmark_1530.csv	KNN	0.8131	0.3801
pageb_benchmark_1530.csv	PCA	0.861	0.3476
pageb_benchmark_1530.csv	LOF	0.7197	0.3455

pageb_benchmark_0933.csv	KNN	0.8539	0.4
pageb_benchmark_0933.csv	PCA	0.8788	0.3111
pageb_benchmark_0933.csv	LOF	0.8898	0.4
pageb_benchmark_0196.csv	KNN	0.6311	0.4902
pageb_benchmark_0196.csv	PCA	0.6223	0.4608
pageb_benchmark_0196.csv	LOF	0.635	0.4902
pageb_benchmark_1786.csv	KNN	0.9583	0.5
pageb_benchmark_1786.csv	PCA	0.7583	0.0
pageb_benchmark_1786.csv	LOF	0.9833	0.75
pageb_benchmark_0065.csv	KNN	0.7816	0.4839
pageb_benchmark_0065.csv	PCA	0.9063	0.5032
pageb_benchmark_0065.csv	LOF	0.7278	0.3505
pageb_benchmark_1292.csv	KNN	0.7892	0.206
pageb_benchmark_1292.csv	PCA	0.8154	0.2232
pageb_benchmark_1292.csv	LOF	0.7558	0.2017
pageb_benchmark_0041.csv	KNN	0.783	0.2655
pageb_benchmark_0041.csv	PCA	0.8203	0.0885
pageb_benchmark_0041.csv	LOF	0.7547	0.2301
pageb_benchmark_0216.csv	KNN	0.6159	0.4348
pageb_benchmark_0216.csv	PCA	0.6001	0.4348
pageb_benchmark_0216.csv	LOF	0.6254	0.4783
pageb_benchmark_1203.csv	KNN	0.8172	0.4592
pageb_benchmark_1203.csv	PCA	0.9176	0.2961
pageb_benchmark_1203.csv	LOF	0.8009	0.3433
pageb_benchmark_1620.csv	KNN	0.5672	0.101
pageb_benchmark_1620.csv	PCA	0.6208	0.1298
pageb_benchmark_1620.csv	LOF	0.6006	0.1154
pageb_benchmark_1549.csv	KNN	0.6799	0.198
pageb_benchmark_1549.csv	PCA	0.8551	0.2082
pageb_benchmark_1549.csv	LOF	0.6328	0.2082
pageb_benchmark_0114.csv	KNN	0.8705	0.0952
pageb_benchmark_0114.csv	PCA	0.9716	0.0952
pageb_benchmark_0114.csv	LOF	0.3099	0.0238
pageb_benchmark_0658.csv	KNN	0.6916	0.0
pageb_benchmark_0658.csv	PCA	0.7601	0.0
pageb_benchmark_0658.csv	LOF	0.7414	0.0
pageb_benchmark_0960.csv	KNN	0.5988	0.0556
pageb_benchmark_0960.csv	PCA	0.7054	0.0556
pageb_benchmark_0960.csv	LOF	0.631	0.0556
pageb_benchmark_1016.csv	KNN	0.6958	0.0222
pageb_benchmark_1016.csv	PCA	0.7666	0.0444
pageb_benchmark_1016.csv	LOF	0.7042	0.0222
pageb_benchmark_0712.csv	KNN	0.6997	0.0
pageb_benchmark_0712.csv	PCA	0.8219	0.0435
pageb_benchmark_0712.csv	LOF	0.7946	0.0435
pageb_benchmark_0300.csv	KNN	0.5373	0.4603
pageb_benchmark_0300.csv	PCA	0.5566	0.4603
pageb_benchmark_0300.csv	LOF	0.5368	0.4603
pageb_benchmark_0252.csv	KNN	0.5918	0.5542
pageb_benchmark_0252.csv	PCA	0.5704	0.5181
pageb_benchmark_0252.csv	LOF	0.5808	0.5422
pageb_benchmark_0145.csv	KNN	0.7839	0.5124
pageb_benchmark_0145.csv	PCA	0.8674	0.5207
pageb_benchmark_0145.csv	LOF	0.78	0.5455
pageb_benchmark_0313.csv	KNN	0.8231	0.0
pageb_benchmark_0313.csv	PCA	0.8406	0.2
pageb_benchmark_0313.csv	LOF	0.9126	0.0

pageb_benchmark_0315.csv	KNN	0.8157	0.2
pageb_benchmark_0315.csv	PCA	0.9295	0.2
pageb_benchmark_0315.csv	LOF	0.8912	0.2
pageb_benchmark_0715.csv	KNN	0.8	0.0
pageb_benchmark_0715.csv	PCA	0.8122	0.0
pageb_benchmark_0715.csv	LOF	0.8792	0.0
pageb_benchmark_0305.csv	KNN	0.9311	0.2
pageb_benchmark_0305.csv	PCA	0.9376	0.2
pageb_benchmark_0305.csv	LOF	0.8637	0.2
pageb_benchmark_0113.csv	KNN	0.9018	0.1277
pageb_benchmark_0113.csv	PCA	0.9617	0.1489
pageb_benchmark_0113.csv	LOF	0.3913	0.0638
pageb_benchmark_0231.csv	KNN	0.5245	0.28
pageb_benchmark_0231.csv	PCA	0.5531	0.34
pageb_benchmark_0231.csv	LOF	0.5135	0.28
pageb_benchmark_0940.csv	KNN	0.8347	0.3333
pageb_benchmark_0940.csv	PCA	0.8482	0.3333
pageb_benchmark_0940.csv	LOF	0.8904	0.3333
pageb_benchmark_0271.csv	KNN	0.6617	0.5875
pageb_benchmark_0271.csv	PCA	0.6373	0.5625
pageb_benchmark_0271.csv	LOF	0.6613	0.5625
pageb_benchmark_0123.csv	KNN	0.766	0.5149
pageb_benchmark_0123.csv	PCA	0.8603	0.5373
pageb_benchmark_0123.csv	LOF	0.783	0.5448
pageb_benchmark_0378.csv	KNN	0.7767	0.0
pageb_benchmark_0378.csv	PCA	0.8542	0.0
pageb_benchmark_0378.csv	LOF	0.8998	0.0
pageb_benchmark_0981.csv	KNN	0.9141	0.3556
pageb_benchmark_0981.csv	PCA	0.9312	0.3556
pageb_benchmark_0981.csv	LOF	0.9131	0.2889
pageb_benchmark_1297.csv	KNN	0.765	0.1674
pageb_benchmark_1297.csv	PCA	0.7722	0.176
pageb_benchmark_1297.csv	LOF	0.7324	0.1545
pageb_benchmark_0226.csv	KNN	0.6558	0.5147
pageb_benchmark_0226.csv	PCA	0.654	0.4118
pageb_benchmark_0226.csv	LOF	0.683	0.5441
pageb_benchmark_0380.csv	KNN	0.7731	0.0
pageb_benchmark_0380.csv	PCA	0.8332	0.2
pageb_benchmark_0380.csv	LOF	0.7995	0.0
pageb_benchmark_0221.csv	KNN	0.6579	0.4762
pageb_benchmark_0221.csv	PCA	0.7161	0.4921
pageb_benchmark_0221.csv	LOF	0.6633	0.4921
pageb_benchmark_0642.csv	KNN	0.8572	0.0
pageb_benchmark_0642.csv	PCA	0.8517	0.0435
pageb_benchmark_0642.csv	LOF	0.842	0.0435
pageb_benchmark_0700.csv	KNN	0.7449	0.0
pageb_benchmark_0700.csv	PCA	0.7944	0.0435
pageb_benchmark_0700.csv	LOF	0.8121	0.0
pageb_benchmark_0678.csv	KNN	0.8108	0.0435
pageb_benchmark_0678.csv	PCA	0.8594	0.1739
pageb_benchmark_0678.csv	LOF	0.8526	0.0435
pageb_benchmark_0635.csv	KNN	0.9111	0.4783
pageb_benchmark_0635.csv	PCA	0.9197	0.4783
pageb_benchmark_0635.csv	LOF	0.9403	0.5217
pageb_benchmark_1007.csv	KNN	0.8121	0.0222
pageb_benchmark_1007.csv	PCA	0.8865	0.0
pageb_benchmark_1007.csv	LOF	0.7591	0.1333

pageb_benchmark_0168.csv	KNN	0.6808	0.2299
pageb_benchmark_0168.csv	PCA	0.7376	0.1839
pageb_benchmark_0168.csv	LOF	0.6572	0.2644
pageb_benchmark_1563.csv	KNN	0.7695	0.4614
pageb_benchmark_1563.csv	PCA	0.9049	0.5
pageb_benchmark_1563.csv	LOF	0.7454	0.3923
pageb_benchmark_0955.csv	KNN	0.6912	0.0
pageb_benchmark_0955.csv	PCA	0.7535	0.0
pageb_benchmark_0955.csv	LOF	0.7611	0.0
pageb_benchmark_0267.csv	KNN	0.6586	0.6071
pageb_benchmark_0267.csv	PCA	0.6846	0.5952
pageb_benchmark_0267.csv	LOF	0.6706	0.5714
pageb_benchmark_1671.csv	KNN	0.5997	0.0556
pageb_benchmark_1671.csv	PCA	0.6534	0.1296
pageb_benchmark_1671.csv	LOF	0.6444	0.1296
pageb_benchmark_0934.csv	KNN	0.9404	0.2667
pageb_benchmark_0934.csv	PCA	0.92	0.3333
pageb_benchmark_0934.csv	LOF	0.9679	0.3333
pageb_benchmark_0301.csv	KNN	0.838	0.2
pageb_benchmark_0301.csv	PCA	0.8601	0.2
pageb_benchmark_0301.csv	LOF	0.9129	0.2
pageb_benchmark_1594.csv	KNN	0.7775	0.3272
pageb_benchmark_1594.csv	PCA	0.8035	0.3089
pageb_benchmark_1594.csv	LOF	0.6849	0.2663
pageb_benchmark_0643.csv	KNN	0.8082	0.0
pageb_benchmark_0643.csv	PCA	0.9147	0.0
pageb_benchmark_0643.csv	LOF	0.7309	0.0435
pageb_benchmark_1522.csv	KNN	0.7813	0.4675
pageb_benchmark_1522.csv	PCA	0.9079	0.5041
pageb_benchmark_1522.csv	LOF	0.7428	0.3516
pageb_benchmark_0212.csv	KNN	0.6592	0.4902
pageb_benchmark_0212.csv	PCA	0.6598	0.451
pageb_benchmark_0212.csv	LOF	0.6678	0.5
pageb_benchmark_0098.csv	KNN	0.7236	0.2717
pageb_benchmark_0098.csv	PCA	0.7271	0.2652
pageb_benchmark_0098.csv	LOF	0.6618	0.2565
pageb_benchmark_1276.csv	KNN	0.7253	0.1845
pageb_benchmark_1276.csv	PCA	0.7597	0.2275
pageb_benchmark_1276.csv	LOF	0.7107	0.1545
pageb_benchmark_1317.csv	KNN	0.6288	0.0343
pageb_benchmark_1317.csv	PCA	0.717	0.0687
pageb_benchmark_1317.csv	LOF	0.6293	0.0773
pageb_benchmark_0100.csv	KNN	0.7251	0.2805
pageb_benchmark_0100.csv	PCA	0.7274	0.2421
pageb_benchmark_0100.csv	LOF	0.6849	0.2308
pageb_benchmark_0958.csv	KNN	0.6965	0.0
pageb_benchmark_0958.csv	PCA	0.7732	0.0222
pageb_benchmark_0958.csv	LOF	0.768	0.0
pageb_benchmark_0055.csv	KNN	0.6444	0.0631
pageb_benchmark_0055.csv	PCA	0.776	0.1136
pageb_benchmark_0055.csv	LOF	0.6216	0.1104
pageb_benchmark_0035.csv	KNN	0.7882	0.3629
pageb_benchmark_0035.csv	PCA	0.8254	0.3542
pageb_benchmark_0035.csv	LOF	0.676	0.2873
pageb_benchmark_0279.csv	KNN	0.6226	0.5488
pageb_benchmark_0279.csv	PCA	0.6056	0.4878
pageb_benchmark_0279.csv	LOF	0.6109	0.5122

pageb_benchmark_0293.csv	KNN	0.5371	0.42
pageb_benchmark_0293.csv	PCA	0.5653	0.48
pageb_benchmark_0293.csv	LOF	0.5524	0.42
pageb_benchmark_0345.csv	KNN	0.9338	0.0
pageb_benchmark_0345.csv	PCA	0.913	0.0
pageb_benchmark_0345.csv	LOF	0.7898	0.0
pageb_benchmark_0028.csv	KNN	0.8256	0.4157
pageb_benchmark_0028.csv	PCA	0.8647	0.3798
pageb_benchmark_0028.csv	LOF	0.7486	0.3551
pageb_benchmark_1559.csv	KNN	0.6329	0.1447
pageb_benchmark_1559.csv	PCA	0.6999	0.1635
pageb_benchmark_1559.csv	LOF	0.5951	0.1509
pageb_benchmark_0097.csv	KNN	0.7086	0.2539
pageb_benchmark_0097.csv	PCA	0.7054	0.2225
pageb_benchmark_0097.csv	LOF	0.6753	0.2607
pageb_benchmark_0249.csv	KNN	0.6258	0.5529
pageb_benchmark_0249.csv	PCA	0.6233	0.5765
pageb_benchmark_0249.csv	LOF	0.6396	0.5765
pageb_benchmark_0674.csv	KNN	0.8544	0.1304
pageb_benchmark_0674.csv	PCA	0.8816	0.1304
pageb_benchmark_0674.csv	LOF	0.9131	0.087
pageb_benchmark_0953.csv	KNN	0.6464	0.0
pageb_benchmark_0953.csv	PCA	0.7114	0.0222
pageb_benchmark_0953.csv	LOF	0.7331	0.0
pageb_benchmark_1581.csv	KNN	0.7812	0.4512
pageb_benchmark_1581.csv	PCA	0.903	0.4959
pageb_benchmark_1581.csv	LOF	0.7364	0.3801
pageb_benchmark_0126.csv	KNN	0.7692	0.4706
pageb_benchmark_0126.csv	PCA	0.8177	0.4454
pageb_benchmark_0126.csv	LOF	0.7638	0.4202
pageb_benchmark_0339.csv	KNN	0.8446	0.2
pageb_benchmark_0339.csv	PCA	0.8951	0.4
pageb_benchmark_0339.csv	LOF	0.9203	0.2
pageb_benchmark_1015.csv	KNN	0.7904	0.0
pageb_benchmark_1015.csv	PCA	0.9711	0.0488
pageb_benchmark_1015.csv	LOF	0.3585	0.0
pageb_benchmark_0120.csv	KNN	0.6203	0.1003
pageb_benchmark_0120.csv	PCA	0.7103	0.1068
pageb_benchmark_0120.csv	LOF	0.6216	0.123
pageb_benchmark_1257.csv	KNN	0.6011	0.0341
pageb_benchmark_1257.csv	PCA	0.6631	0.0795
pageb_benchmark_1257.csv	LOF	0.6424	0.0341
pageb_benchmark_1519.csv	KNN	0.7313	0.2703
pageb_benchmark_1519.csv	PCA	0.7349	0.2622
pageb_benchmark_1519.csv	LOF	0.6819	0.2703
pageb_benchmark_0625.csv	KNN	0.9496	0.6957
pageb_benchmark_0625.csv	PCA	0.9734	0.6957
pageb_benchmark_0625.csv	LOF	0.95	0.6522
pageb_benchmark_1205.csv	KNN	0.831	0.4506
pageb_benchmark_1205.csv	PCA	0.8987	0.2833
pageb_benchmark_1205.csv	LOF	0.8254	0.3305
pageb_benchmark_0186.csv	KNN	0.6891	0.5104
pageb_benchmark_0186.csv	PCA	0.7031	0.4792
pageb_benchmark_0186.csv	LOF	0.6795	0.5208
pageb_benchmark_1218.csv	KNN	0.7767	0.2361
pageb_benchmark_1218.csv	PCA	0.8119	0.2704
pageb_benchmark_1218.csv	LOF	0.7308	0.2361

pageb_benchmark_0410.csv	KNN	0.7145	0.0
pageb_benchmark_0410.csv	PCA	0.7559	0.0
pageb_benchmark_0410.csv	LOF	0.8421	0.0
pageb_benchmark_1008.csv	KNN	0.8163	0.0
pageb_benchmark_1008.csv	PCA	0.8631	0.0
pageb_benchmark_1008.csv	LOF	0.7782	0.0
pageb_benchmark_1604.csv	KNN	0.6308	0.225
pageb_benchmark_1604.csv	PCA	0.931	0.325
pageb_benchmark_1604.csv	LOF	0.5181	0.3
pageb_benchmark_0680.csv	KNN	0.7645	0.0
pageb_benchmark_0680.csv	PCA	0.8473	0.0
pageb_benchmark_0680.csv	LOF	0.8008	0.0
pageb_benchmark_1012.csv	KNN	0.6994	0.0
pageb_benchmark_1012.csv	PCA	0.7953	0.0222
pageb_benchmark_1012.csv	LOF	0.7718	0.0222
pageb_benchmark_0237.csv	KNN	0.4348	0.18
pageb_benchmark_0237.csv	PCA	0.5111	0.26
pageb_benchmark_0237.csv	LOF	0.4407	0.2
pageb_benchmark_0023.csv	KNN	0.7751	0.4593
pageb_benchmark_0023.csv	PCA	0.908	0.5121
pageb_benchmark_0023.csv	LOF	0.7316	0.3736
pageb_benchmark_0312.csv	KNN	0.7545	0.0
pageb_benchmark_0312.csv	PCA	0.8454	0.0
pageb_benchmark_0312.csv	LOF	0.7714	0.0
pageb_benchmark_1315.csv	KNN	0.717	0.1073
pageb_benchmark_1315.csv	PCA	0.8174	0.1073
pageb_benchmark_1315.csv	LOF	0.6823	0.1373
pageb_benchmark_0944.csv	KNN	0.8614	0.0444
pageb_benchmark_0944.csv	PCA	0.8816	0.0222
pageb_benchmark_0944.csv	LOF	0.7933	0.0889
pageb_benchmark_1204.csv	KNN	0.8561	0.4592
pageb_benchmark_1204.csv	PCA	0.9148	0.3219
pageb_benchmark_1204.csv	LOF	0.8208	0.3476
pageb_benchmark_0228.csv	KNN	0.6014	0.4225
pageb_benchmark_0228.csv	PCA	0.6508	0.4366
pageb_benchmark_0228.csv	LOF	0.6156	0.4225
pageb_benchmark_0057.csv	KNN	0.5973	0.0637
pageb_benchmark_0057.csv	PCA	0.6594	0.0735
pageb_benchmark_0057.csv	LOF	0.6458	0.0882
pageb_benchmark_0350.csv	KNN	0.8926	0.0
pageb_benchmark_0350.csv	PCA	0.89	0.0
pageb_benchmark_0350.csv	LOF	0.9328	0.0
pageb_benchmark_0689.csv	KNN	0.8836	0.0
pageb_benchmark_0689.csv	PCA	0.9002	0.087
pageb_benchmark_0689.csv	LOF	0.9061	0.0435
pageb_benchmark_0233.csv	KNN	0.6409	0.4107
pageb_benchmark_0233.csv	PCA	0.6296	0.3036
pageb_benchmark_0233.csv	LOF	0.6533	0.4107
pageb_benchmark_1576.csv	KNN	0.7263	0.2703
pageb_benchmark_1576.csv	PCA	0.7228	0.248
pageb_benchmark_1576.csv	LOF	0.6651	0.2358
pageb_benchmark_0691.csv	KNN	0.7354	0.1304
pageb_benchmark_0691.csv	PCA	0.8472	0.1304
pageb_benchmark_0691.csv	LOF	0.7967	0.0435
pageb_benchmark_0286.csv	KNN	0.5822	0.4915
pageb_benchmark_0286.csv	PCA	0.5763	0.5085
pageb_benchmark_0286.csv	LOF	0.5522	0.5254

pageb_benchmark_0172.csv	KNN	0.539	0.1683
pageb_benchmark_0172.csv	PCA	0.6264	0.2178
pageb_benchmark_0172.csv	LOF	0.5372	0.1683
pageb_benchmark_1580.csv	KNN	0.7342	0.2663
pageb_benchmark_1580.csv	PCA	0.7484	0.2764
pageb_benchmark_1580.csv	LOF	0.6551	0.2419
pageb_benchmark_0610.csv	KNN	0.8453	0.087
pageb_benchmark_0610.csv	PCA	0.8909	0.087
pageb_benchmark_0610.csv	LOF	0.8901	0.1739
pageb_benchmark_0208.csv	KNN	0.7086	0.5158
pageb_benchmark_0208.csv	PCA	0.7767	0.5895
pageb_benchmark_0208.csv	LOF	0.6727	0.4842
pageb_benchmark_1279.csv	KNN	0.719	0.1545
pageb_benchmark_1279.csv	PCA	0.7393	0.1631
pageb_benchmark_1279.csv	LOF	0.6891	0.1631
pageb_benchmark_0036.csv	KNN	0.7308	0.2765
pageb_benchmark_0036.csv	PCA	0.7444	0.2742
pageb_benchmark_0036.csv	LOF	0.6589	0.2327
pageb_benchmark_0970.csv	KNN	0.9021	0.2222
pageb_benchmark_0970.csv	PCA	0.9069	0.1556
pageb_benchmark_0970.csv	LOF	0.9355	0.2667
pageb_benchmark_1009.csv	KNN	0.7974	0.0
pageb_benchmark_1009.csv	PCA	0.8135	0.0222
pageb_benchmark_1009.csv	LOF	0.8481	0.0667
pageb_benchmark_1785.csv	KNN	1.0	1.0
pageb_benchmark_1785.csv	PCA	1.0	1.0
pageb_benchmark_1785.csv	LOF	1.0	1.0
pageb_benchmark_0924.csv	KNN	0.9517	0.5455
pageb_benchmark_0924.csv	PCA	0.9535	0.4667
pageb_benchmark_0924.csv	LOF	0.919	0.4444
pageb_benchmark_1579.csv	KNN	0.731	0.2764
pageb_benchmark_1579.csv	PCA	0.7185	0.248
pageb_benchmark_1579.csv	LOF	0.67	0.2439
pageb_benchmark_0607.csv	KNN	0.8816	0.1739
pageb_benchmark_0607.csv	PCA	0.9158	0.2174
pageb_benchmark_0607.csv	LOF	0.9057	0.2609
pageb_benchmark_1277.csv	KNN	0.7409	0.1845
pageb_benchmark_1277.csv	PCA	0.761	0.1803
pageb_benchmark_1277.csv	LOF	0.7403	0.206
pageb_benchmark_1262.csv	KNN	0.8267	0.4464
pageb_benchmark_1262.csv	PCA	0.9107	0.279
pageb_benchmark_1262.csv	LOF	0.7962	0.3391
pageb_benchmark_0248.csv	KNN	0.6963	0.6098
pageb_benchmark_0248.csv	PCA	0.6978	0.5976
pageb_benchmark_0248.csv	LOF	0.7056	0.6098
pageb_benchmark_0382.csv	KNN	0.8303	0.0
pageb_benchmark_0382.csv	PCA	0.8549	0.0
pageb_benchmark_0382.csv	LOF	0.8819	0.0
pageb_benchmark_1282.csv	KNN	0.7907	0.4163
pageb_benchmark_1282.csv	PCA	0.9029	0.2618
pageb_benchmark_1282.csv	LOF	0.8079	0.3948
pageb_benchmark_0387.csv	KNN	0.8928	0.2
pageb_benchmark_0387.csv	PCA	0.9384	0.2
pageb_benchmark_0387.csv	LOF	0.8998	0.2
pageb_benchmark_0399.csv	KNN	0.8558	0.0
pageb_benchmark_0399.csv	PCA	0.8795	0.0
pageb_benchmark_0399.csv	LOF	0.9192	0.0

```
| pageb_benchmark_1603.csv |  KNN  | 0.7794 |        0.2929      |
| pageb_benchmark_1603.csv |  PCA  | 0.8216 |        0.196       |
| pageb_benchmark_1603.csv |  LOF  | 0.7625 |        0.2563      |
| pageb_benchmark_0344.csv |  KNN  | 0.5624 |         0.0        |
| pageb_benchmark_0344.csv |  PCA  | 0.8789 |         0.0        |
| pageb_benchmark_0344.csv |  LOF  | 0.8499 |         0.0        |
| pageb_benchmark_1293.csv |  KNN  | 0.8088 |        0.2361      |
| pageb_benchmark_1293.csv |  PCA  | 0.8387 |        0.2704      |
| pageb_benchmark_1293.csv |  LOF  | 0.7804 |        0.2146      |
| pageb_benchmark_1227.csv |  KNN  | 0.8526 |        0.3562      |
| pageb_benchmark_1227.csv |  PCA  | 0.8866 |        0.3433      |
| pageb_benchmark_1227.csv |  LOF  | 0.7287 |        0.3219      |
| pageb_benchmark_0189.csv |  KNN  |  0.74  |        0.5761      |
| pageb_benchmark_0189.csv |  PCA  | 0.7603 |        0.5435      |
| pageb_benchmark_0189.csv |  LOF  | 0.7316 |        0.5761      |
| pageb_benchmark_0326.csv |  KNN  | 0.9952 |         0.6        |
| pageb_benchmark_0326.csv |  PCA  | 0.9897 |         0.6        |
| pageb_benchmark_0326.csv |  LOF  | 0.9985 |         0.8        |
| pageb_benchmark_0616.csv |  KNN  | 0.6687 |         0.0        |
| pageb_benchmark_0616.csv |  PCA  | 0.7348 |         0.0        |
| pageb_benchmark_0616.csv |  LOF  | 0.7804 |         0.0        |
| pageb_benchmark_0019.csv |  KNN  | 0.7385 |        0.263       |
| pageb_benchmark_0019.csv |  PCA  | 0.7487 |        0.2653      |
| pageb_benchmark_0019.csv |  LOF  | 0.714  |        0.2721      |
| pageb_benchmark_0284.csv |  KNN  | 0.595  |        0.537       |
| pageb_benchmark_0284.csv |  PCA  | 0.6104 |        0.5185      |
| pageb_benchmark_0284.csv |  LOF  | 0.5914 |        0.5741      |
| pageb_benchmark_0937.csv |  KNN  | 0.8451 |        0.2889      |
| pageb_benchmark_0937.csv |  PCA  | 0.8545 |        0.2889      |
| pageb_benchmark_0937.csv |  LOF  | 0.8653 |        0.3111      |
+--------------------------+-------+--------+--------------------+
```

In [26]:
```python
m, s = divmod(time.time()-timekeeping, 60)
h, m = divmod(m, 60)
print ('run time: %02d:%02d:%02d' % (h, m, s))
```

run time: 03:19:58