# 12\_18实验报告

实验一 (1,2,3,4,5)(6,7,8,9,10)

10，11数据丢失，最后使用[1,2,3,4,5][6,7,8,9]

1. 加速度：窗口=3000，步长=0.02

**DBAD**

0.6200000000000002 : 0.6198979591836735

**COUNT DBAD**

threshold=0.8200000000000004

1(71) 1(94) 1(98) 0(42) 0(21) 0(61) 0(9) 0(42)

1(84) 1(70) 1(88) 0(67) 1(91) 0(41) 1(88)

1(93) 1(71) 0(36) 1(80) 0(6) 0(68)

0(34) 0(20) 0(54) 0(2) 0(37)

1(78) 1(85) 0(21) 1(86)

1(74) 1(82) 1(89)

0(40) 1(92)

0(62)

0.7222222222222222

precise=0.6609686609686609

recall=0.34523809523809523

F1score=0.45356793743890517

**CROSS-CORRELATION**

1. {1: [1, 8, 5, 2, 3], 4: [4, 6, 9, 7]} 0.6111111111111112
2. Jaccard accuracy=0.6333333333333333
3. 迭代阈值 0.2510000000000006 0.5690235690235692

**COUNT CROSS-CORRELATION**

threshold=-0.003999999999999563

0(16) 0(20) 0(16) 0(15) 0(18) 0(21) 0(18) 0(16)

1(24) 0(17) 0(18) 0(19) 0(11) 0(13) 0(18)

0(18) 0(15) 0(17) 0(16) 0(18) 0(14)

0(15) 0(23) 0(19) 0(15) 0(21)

0(16) 0(17) 0(16) 0(13)

0(10) 0(17) 0(18)

0(18) 0(18)

0(20)

0.5833333333333334（-0.008~-004是这个准确度）

1. 方向：窗口=3000，步长=0.0001

**DBAD**

0.0 : 0.5487528344671211

**COUNT DBAD**

threshold=0.016199999999999957

1(96) 1(98) 1(97) 1(97) 1(92) 1(95) 0(4) 1(94)

1(69) 1(98) 1(93) 1(98) 1(97) 0(68) 1(98)

1(81) 1(98) 0(62) 1(95) 0(0) 1(73)

1(96) 1(97) 1(97) 0(57) 1(98)

1(91) 1(97) 0(0) 1(96)

1(97) 1(95) 1(98)

0(22) 1(97)

1(74)

0.5833333333333334

precise=0.4770731707317073

recall=0.5625

F1score=0.5162766144641915

**CROSS-CORRELATION**

1. {1: [1, 3, 5, 2], 4: [4, 6, 8, 9, 7]} 0.7777777777777778
2. Jaccard accuracy=0.8
3. 迭代阈值 0.725000000000001 0.611111111111111

**COUNT CROSS-CORRELATION**

threshold=-0.10899999999999965

1(27) 1(33) 0(11) 1(25) 0(22) 0(17) 0(18) 0(17)

1(27) 0(20) 0(15) 0(23) 0(18) 0(22) 0(22)

0(13) 0(23) 0(21) 0(15) 0(17) 0(16)

0(9) 0(17) 0(18) 0(18) 0(18)

0(15) 0(21) 0(13) 0(17)

1(24) 1(25) 1(26)

1(31) 1(30)

1(32)

0.8333333333333334（-0.126~-0.109是这个准确度）

实验二 (1,2,3,4,5)(6,7,8,9,10)

6,7,8数据丢失，最后使用[1,2,3,4,5][9,10]

1. 加速度：窗口=3000，步长=0.02

**DBAD**

0.4000000000000001 : 0.8551587301587301

**COUNT DBAD**

threshold=0.6400000000000002

1(48) 1(48) 1(45) 1(44) 0(6) 0(1)

1(47) 1(46) 1(48) 0(21) 0(9)

1(45) 1(47) 0(11) 0(1)

1(45) 0(25) 0(24)

0(33) 0(14)

1(45)

1.0

precise=1.0

recall=0.7327823691460055

F1score=0.8457869634340223

**CROSS-CORRELATION**

1. {1: [1, 4, 5, 2, 3, 10], 9: [9]} 0.7142857142857143
2. Jaccard accuracy=0.6666666666666667
3. 迭代阈值 0.04200000000000047 0.5317460317460317

**COUNT CROSS-CORRELATION**

threshold=-0.09099999999999964

1(19) 1(21) 1(20) 1(18) 1(21) 1(21)

1(22) 1(18) 1(20) 1(20) 1(24)

1(18) 1(17) 1(23) 1(23)

1(19) 1(22) 1(22)

1(22) 1(20)

1(23)

0.5238095238095238

1. 方向：窗口=3000，步长=0.001

**DBAD**

0.4230000000000003 : 0.5228174603174609

**COUNT DBAD**

threshold=0.07100000000000005

1(42) 0(25) 1(42) 1(36) 0(25) 0(33)

1(48) 1(39) 1(48) 1(48) 1(48)

1(34) 1(48) 1(48) 1(48)

1(39) 0(33) 1(36)

1(48) 1(48)

1(48)

0.6190476190476191

precise=0.5262529832935561

recall=0.5568181818181818

F1score=0.5411042944785276

**CROSS-CORRELATION**

1. {1: [1, 2, 3, 5, 9, 10], 4: [4]} 0.42857142857142855
2. Jaccard accuracy=0.3857142857142857
3. 迭代阈值 -0.20399999999999974 0.6515151515151515

**COUNT CROSS-CORRELATION**

threshold=-0.11199999999999966

1(22) 1(21) 1(16) 1(17) 0(12) 0(15)

1(18) 1(19) 1(19) 0(13) 0(11)

1(19) 1(19) 0(13) 0(10)

1(16) 1(16) 0(15)

0(12) 0(11)

1(18)

0.9523809523809523

实验三 (1,2,3,4,5)(6,7,8,9,10)

10数据丢失，最后使用[1,2,3,4,5][6,7,8,9]

1. 加速度：窗口=3000，步长=0.02

**DBAD**

0.5000000000000001 : 0.5861678004535146

**COUNT DBAD**

threshold=2.620000000000002

1(111) 1(110) 1(135) 1(114) 0(88) 0(102) 0(88) 0(84)

0(100) 1(124) 1(107) 0(87) 0(93) 0(91) 0(84)

1(122) 1(107) 0(89) 0(88) 0(87) 0(78)

1(123) 0(99) 1(107) 0(102) 1(108)

0(100) 0(99) 0(96) 0(85)

1(119) 1(113) 1(130)

1(108) 1(119)

1(112)

0.9166666666666666

precise=0.9289667896678967

recall=0.47679924242424243

F1score=0.630162703379224

**CROSS-CORRELATION**

1. {1: [1, 2, 8, 3], 4: [4, 6, 7, 9, 5]} 0.5
2. Jaccard accuracy= 0.5
3. 迭代阈值 0.10300000000000097 0.5980902777777778

**COUNT CROSS-CORRELATION**

threshold=-0.037999999999999146

1(25) 1(23) 1(23) 0(19) 0(18) 0(19) 1(24) 0(20)

0(19) 0(21) 0(17) 0(19) 0(19) 0(20) 0(18)

0(17) 0(19) 0(18) 0(20) 0(20) 0(17)

0(21) 1(25) 0(21) 1(27) 1(25)

0(20) 1(23) 0(21) 0(22)

1(25) 0(20) 1(23)

1(24) 1(23)

1(23)

0.6388888888888888

1. 方向：窗口=3000，步长=0.001

**DBAD**

0.0018000000000000006 : 0.5241874527588811

**COUNT DBAD**

threshold=0.007200000000000006

0(95) 0(95) 1(103) 0(80) 0(102) 0(71) 0(77) 0(87)

0(72) 1(111) 0(80) 1(116) 0(94) 0(87) 1(113)

0(85) 0(76) 0(93) 0(65) 0(79) 0(72)

0(93) 1(110) 0(95) 0(94) 1(106)

0(102) 0(66) 0(82) 0(87)

1(126) 1(108) 1(141)

0(90) 1(114)

0(90)

0.6111111111111112

precise=0.54375

recall=0.14897260273972604

F1score=0.23387096774193547

**CROSS-CORRELATION**

1. {1: [1, 2, 3, 4, 5], 6: [6, 7, 8, 9]} 1.0
2. Jaccard accuracy=1.0
3. 迭代阈值 0.38800000000000073 0.5876736111111113

**COUNT CROSS-CORRELATION**

threshold=-0.06899999999999962

1(23) 0(21) 0(18) 0(18) 0(14) 0(17) 0(17) 0(15)

1(23) 0(21) 0(18) 0(18) 1(26) 0(22) 0(22)

1(25) 0(21) 0(17) 1(26) 0(18) 0(20)

0(20) 0(21) 0(22) 0(21) 0(19)

0(20) 0(22) 0(19) 0(21)

1(25) 0(20) 0(21)

0(20) 0(21)

1(26)

0.6388888888888888

实验四 (1,2,3,4,5)(6,7,8,9,10)

8，10数据丢失，最后使用[1,2,3,4,5][6,7,9]

1. 加速度：窗口=3000，步长=0.02

**DBAD**

0.5400000000000001 : 0.5948905109489053

**COUNT DBAD**

threshold=1.2400000000000007

1(106) 1(100) 1(115) 1(115) 0(79) 0(76) 0(67)

1(108) 1(112) 1(99) 0(95) 0(77) 0(77)

1(98) 1(107) 0(86) 0(76) 0(67)

1(108) 0(89) 0(81) 0(69)

0(86) 0(83) 0(66)

1(100) 1(104)

1(108)

1.0

precise=1.0

recall=0.34676434676434675

F1score=0.514959202175884

**CROSS-CORRELATION**

1. {1: [1, 4, 2, 3, 9], 5: [5, 7, 6]}} 0.5714285714285714
2. Jaccard accuracy=0.5833333333333333
3. 迭代阈值 0.09300000000000096 0.5618466898954705

**COUNT CROSS-CORRELATION**

threshold=-0.037999999999999146

0(27) 1(29) 1(30) 0(20) 0(28) 1(34) 0(26)

1(30) 0(28) 0(27) 0(25) 0(28) 0(21)

0(27) 0(24) 0(28) 1(34) 0(25)

0(27) 0(28) 1(32) 0(26)

0(28) 1(36) 0(27)

1(29) 1(32)

1(29)

0.6071428571428571

1. 方向：窗口=3000，步长=0.001

**DBAD**

0.005400000000000001 : 0.5086027111574558

**COUNT DBAD**

threshold=0.019599999999999937

1(99) 1(100) 1(96) 0(90) 1(112) 0(95) 0(94)

0(91) 1(99) 0(81) 1(110) 1(97) 0(91)

0(92) 1(99) 1(113) 0(87) 0(85)

0(88) 1(113) 1(101) 0(95)

1(112) 0(81) 0(83)

1(124) 1(126)

1(130)

0.5714285714285714

precise=0.4809590973201692

recall=0.26630222569308865

F1score=0.3427996984166876

**CROSS-CORRELATION**

1. {1: [1, 3, 5, 2, 4], 6: [6, 7, 9]} 1.0
2. Jaccard accuracy= 1.0
3. 迭代阈值 0.3140000000000011 0.5833333333333335

**COUNT CROSS-CORRELATION**

threshold=-0.005999999999999119

0(25) 1(30) 0(26) 0(25) 0(22) 0(21) 0(22)

0(23) 0(28) 0(22) 0(22) 0(22) 0(20)

0(20) 1(30) 0(27) 0(29) 0(14)

0(22) 0(23) 0(23) 0(23)

0(19) 0(27) 0(19)

1(30) 0(23)

0(23)

0.6428571428571429

实验五 (1,2,3,4)(5,6,7,8)(9,10)

8，10数据丢失，最后使用[1,2,3,4][5,6,7,8][9]

1. 加速度：窗口=3000，步长=0.02

**DBAD**

0.0 : 0.6452991452991453

**COUNT DBAD**

threshold=0.19999999999999998

0(3) 0(24) 1(48) 0(2) 0(7) 0(13) 0(0) 0(0)

0(19) 0(27) 0(34) 0(20) 0(33) 0(2) 0(24)

1(41) 0(21) 0(15) 0(35) 0(0) 0(3)

0(22) 0(27) 0(36) 0(18) 0(18)

0(17) 0(24) 0(0) 0(11)

0(24) 0(8) 0(26)

0(0) 0(13)

0(2)

0.7222222222222222

precise=1.0

recall=0.08333333333333333

F1score=0.15384615384615385

**CROSS-CORRELATION**

1. {1: [1, 9, 2, 6, 8], 3: [3], 4: [4, 5, 7]} 0.4722222222222222
2. Jaccard accuracy=0.3119047619047619
3. 迭代阈值 0.12200000000000098 0.6904761904761905

**COUNT CROSS-CORRELATION**

threshold=0.031000000000000902

0(8) 0(8) 0(10) 0(5) 0(7) 0(7) 0(8) 0(5)

0(10) 0(6) 0(7) 0(10) 0(9) 0(9) 0(5)

0(8) 0(8) 0(7) 0(8) 0(4) 0(11)

0(10) 0(8) 0(8) 0(4) 0(6)

0(4) 0(5) 0(8) 0(6)

0(8) 1(15) 0(4)

0(8) 0(5)

0(11)

0.6944444444444444

1. 方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.6452991452991453

**COUNT DBAD**

threshold=0.00030000000000000003

0(4) 0(11) 0(21) 0(17) 0(3) 0(14) 0(0) 0(1)

0(0) 0(24) 0(1) 0(19) 0(13) 0(0) 0(24)

0(20) 0(18) 0(3) 0(6) 0(0) 0(0)

0(19) 0(27) 0(22) 0(18) 0(25)

0(3) 0(8) 0(0) 0(0)

0(10) 0(3) 0(35)

0(0) 0(7)

0(0)

0.6666666666666666

precise=0.3160166432408002

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1, 3, 2, 5, 8], 4: [4, 9], 6: [6, 7]} 0.6111111111111112
2. Jaccard accuracy= 0.5
3. 迭代阈值 0.9410000000000016 0.6693121693121691

**COUNT CROSS-CORRELATION**

threshold=0.025000000000000897

1(15) 1(15) 0(12) 0(11) 0(8) 0(6) 0(14) 0(10)

0(14) 1(16) 0(10) 0(10) 0(7) 0(10) 0(12)

0(11) 0(13) 0(8) 0(8) 0(10) 0(9)

0(6) 0(7) 0(5) 0(8) 0(13)

0(12) 0(3) 1(16) 0(11)

0(6) 0(11) 0(5)

0(5) 0(7)

0(11)

0.7777777777777778

实验六 (1,2,3,4)(5,6,7,8)(9,10,11)

3,4,6,7,11数据丢失，最后使用[1,2][5,8][9,10]

加速度：窗口=3000，步长=0.02

**DBAD**

0.12000000000000001 : 0.8354166666666664

**COUNT DBAD**

threshold=0.36000000000000004

1(62) 0(0) 0(1) 0(2) 0(0)

0(0) 0(1) 0(7) 0(0)

1(58) 0(42) 1(53)

0(39) 0(44)

1(52)

0.9333333333333333

precise=0.8

recall=0.49122807017543857

F1score=0.6086956521739131

**CROSS-CORRELATION**

1. {1: [1, 2, 9], 5: [5, 8], 10: [10]} 0.8
2. Jaccard accuracy= 0.7222222222222222
3. 迭代阈值 0.168000000000001 0.8333333333333336

**COUNT CROSS-CORRELATION**

threshold=0.0020000000000008813

0(13) 0(10) 0(9) 0(13) 0(5)

0(8) 0(12) 0(8) 0(11)

1(14) 0(10) 0(7)

0(11) 0(8)

0(5)

0.8666666666666667

方向：窗口=3000，步长=0.001

**DBAD**

0.0019000000000000006 : 0.8312499999999997

**COUNT DBAD**

threshold=0.007300000000000006

0(28) 0(1) 0(1) 0(1) 0(2)

0(2) 0(1) 0(6) 0(11)

1(60) 1(61) 0(37)

0(43) 0(4)

1(64)

0.8666666666666667

precise=0.648854961832061

recall=0.38288288288288286

F1score=0.48158640226628896

**CROSS-CORRELATION**

1. {1: [1, 2], 5: [5, 8], 9: [9, 10]} 1.0
2. Jaccard accuracy= 1.0
3. 迭代阈值 0.8780000000000016 0.8133333333333337

**COUNT CROSS-CORRELATION**

threshold=0.09000000000000095

1(20) 0(5) 0(7) 0(8) 0(9)

0(4) 0(7) 0(10) 0(8)

1(14) 0(7) 0(8)

0(6) 0(7)

1(18)

1.0

实验七 (1,2,3,4)(5,6,7,8)(9,10,11)

8,10数据丢失，最后使用[1,2,3,4][5,6,7][9,11]

加速度：窗口=3000，步长=0.02

**DBAD**

0.08 : 0.7091954022988506

**COUNT DBAD**

threshold=1.2800000000000007

1(118) 1(120) 1(126) 0(90) 0(70) 0(85) 0(66) 0(66)

1(116) 1(126) 0(94) 0(83) 0(92) 0(64) 0(61)

1(114) 0(84) 0(68) 0(84) 0(54) 0(60)

0(100) 0(83) 0(101) 0(82) 0(83)

0(95) 1(102) 0(62) 0(57)

1(105) 0(62) 0(71)

0(70) 0(63)

1(110)

0.9722222222222222

precise=1.0

recall=0.4

F1score=0.5714285714285714

**CROSS-CORRELATION**

1. {1: [1, 4, 9, 2, 7, 3, 5], 6: [6], 11: [11]} 0.5277777777777778
2. Jaccard accuracy=0.4682539682539682
3. 迭代阈值 0.36200000000000115 0.727430555555555

**COUNT CROSS-CORRELATION**

threshold=-0.0009999999999991188

0(28) 0(25) 0(23) 0(21) 0(22) 0(27) 0(30) 0(19)

0(31) 0(28) 0(30) 0(25) 0(31) 0(24) 0(25)

0(23) 0(20) 0(28) 0(24) 0(25) 0(25)

0(27) 0(22) 0(33) 0(28) 0(23)

0(23) 0(21) 0(11) 0(26)

0(28) 0(23) 0(25)

0(27) 0(33)

0(19)

0.7222222222222222

方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.6942528735632197

**COUNT DBAD**

threshold=0.009399999999999999

1(102) 1(105) 1(104) 0(79) 0(73) 0(74) 0(82) 0(74)

0(41) 1(120) 0(65) 0(84) 0(89) 0(98) 0(93)

0(60) 0(68) 0(43) 0(60) 0(40) 0(48)

0(92) 0(98) 0(101) 1(110) 1(104)

0(77) 0(95) 0(74) 0(53)

1(104) 0(98) 0(96)

0(89) 0(76)

1(123)

0.8333333333333334

precise=0.7782805429864253

recall=0.18105263157894738

F1score=0.2937660119555935

**CROSS-CORRELATION**

1. {1: [1, 2, 3, 5], 4: [4, 6, 7], 9: [9, 11]} 0.7222222222222222
2. Jaccard accuracy=0.7000000000000001
3. 迭代阈值 0.7480000000000014 0.7358276643990928

**COUNT CROSS-CORRELATION**

threshold=-0.05599999999999916

1(35) 1(38) 0(27) 1(38) 0(27) 0(23) 0(27) 0(31)

0(33) 0(28) 0(29) 0(21) 0(20) 0(23) 0(27)

0(29) 0(34) 0(24) 0(26) 0(29) 0(27)

0(29) 0(34) 0(32) 0(27) 0(31)

0(25) 0(28) 0(28) 0(31)

1(38) 0(28) 0(24)

0(33) 0(32)

0(31)

0.7777777777777778

实验八 (1,2)(3,4)(5,6,7)(8,9,10,11)

8,10数据丢失，最后使用[1,2][3,4][5,6,7][9,11]

加速度：窗口=3000，步长=0.02

**DBAD**

0.0 : 0.7276688453159043

**COUNT DBAD**

threshold=0.04

0(1) 0(20) 0(33) 0(9) 0(25) 0(4) 0(1) 0(0)

0(1) 0(23) 0(0) 0(19) 0(4) 0(13) 0(19)

0(31) 0(22) 0(29) 0(7) 0(3) 0(0)

0(27) 0(35) 0(28) 0(23) 0(23)

0(20) 0(9) 0(2) 0(0)

0(24) 0(22) 0(19)

0(9) 0(4)

0(16)

0.8333333333333334

precise=0.17296170037853356

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1, 4, 7, 6], 2: [2, 9], 3: [3, 5], 11: [11]} 0.6666666666666666
2. Jaccard accuracy=0.39166666666666666
3. 迭代阈值 0.6890000000000014 0.8333333333333335

**COUNT CROSS-CORRELATION**

threshold=0.07900000000000094

0(2) 0(0) 0(6) 0(1) 0(3) 0(7) 0(6) 0(4)

0(3) 0(4) 0(3) 0(2) 0(6) 0(3) 0(5)

0(7) 0(11) 0(6) 0(2) 0(3) 0(3)

0(4) 0(6) 0(1) 0(4) 0(2)

0(2) 0(2) 0(3) 0(2)

0(3) 0(2) 0(2)

0(4) 0(4)

0(3)

0.8333333333333334

方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.7276688453159043

**COUNT DBAD**

threshold=0.0007000000000000001

0(3) 0(14) 0(31) 0(9) 0(27) 0(24) 0(3) 0(0)

0(0) 0(28) 0(0) 0(27) 0(4) 0(28) 0(34)

0(26) 0(30) 0(20) 0(9) 0(0) 0(0)

0(26) 0(33) 0(25) 0(29) 0(26)

0(20) 0(11) 0(0) 0(0)

0(25) 0(27) 0(23)

0(9) 0(1)

0(15)

0.8333333333333334

precise=0.18610674386429243

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1, 2, 5], 3: [3, 4], 6: [6, 7], 9: [9, 11]} 0.8888888888888888
2. Jaccard accuracy=0.8333333333333333
3. 迭代阈值 0.9140000000000016 0.8454861111111112

**COUNT CROSS-CORRELATION**

threshold=0.12100000000000098

1(16) 0(8) 0(6) 0(11) 0(4) 0(3) 0(8) 0(7)

0(6) 0(6) 0(11) 0(5) 0(3) 0(7) 0(7)

0(11) 0(5) 0(9) 0(5) 0(8) 0(8)

0(6) 0(6) 0(5) 0(4) 0(5)

0(3) 0(2) 0(6) 0(6)

0(10) 0(6) 0(6)

0(4) 0(5)

1(13)

0.8888888888888888

实验九 (1,2)(3,4)(5,6,7)(8,9,10,11)

3,4,6,7,8,数据丢失，最后使用[1,2][5][9,10,11]

加速度：窗口=3000，步长=0.02

**DBAD**

0.0 : 0.7287128712871294

**COUNT DBAD**

threshold=0.04

0(1) 0(20) 0(33) 0(9) 0(25) 0(4) 0(1) 0(0)

0(1) 0(23) 0(0) 0(19) 0(4) 0(13) 0(19)

0(31) 0(22) 0(29) 0(7) 0(3) 0(0)

0(27) 0(35) 0(28) 0(23) 0(23)

0(20) 0(9) 0(2) 0(0)

0(24) 0(22) 0(19)

0(9) 0(4)

0(16)

0.8333333333333334

precise=0.17296170037853356

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1], 2: [2, 10, 5], 9: [9, 11]} 0.6
2. Jaccard accuracy=0.5
3. 迭代阈值 0.5700000000000013 0.7333333333333334

**COUNT CROSS-CORRELATION**

threshold=-0.03099999999999914

0(18) 0(20) 0(17) 0(19) 0(21)

1(23) 0(20) 0(18) 0(15)

0(19) 0(21) 0(18)

1(23) 1(25)

1(24)

0.8666666666666667

方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.7287128712871294

**COUNT DBAD**

threshold=0.04

0(9) 0(64) 0(4) 0(2) 0(41)

0(21) 0(32) 0(12) 0(22)

0(6) 0(2) 0(37)

0(25) 0(2)

0(5)

0.7333333333333333

precise=0.2704628747170232

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1, 10, 5], 2: [2], 9: [9, 11]} 0.6
2. Jaccard accuracy=0.5
3. 迭代阈值 0.7630000000000015 0.7548387096774196

**COUNT CROSS-CORRELATION**

threshold=-0.04599999999999915

0(16) 0(17) 0(14) 0(21) 0(13)

0(16) 0(16) 0(20) 0(17)

0(15) 0(14) 0(13)

0(20) 1(31)

0(19)

0.8

实验十 (1,2)(3,4)(5,6,7)(8,9,10,11)

10,数据丢失，最后使用[1,2][3,4][5,6,7][8,9,11]

加速度：窗口=3000，步长=0.02

**DBAD**

0.0 : 0.772222222222222

**COUNT DBAD**

threshold=1.4000000000000008

0(80) 0(76) 0(82) 0(59) 0(66) 0(78) 0(63) 0(83) 0(82)

0(65) 0(63) 0(36) 0(54) 0(54) 0(63) 0(71) 0(72)

1(101) 0(56) 0(62) 0(79) 0(64) 0(72) 0(69)

0(57) 0(64) 0(86) 0(66) 0(77) 0(74)

0(74) 0(74) 0(50) 0(55) 0(56)

0(86) 0(61) 0(69) 0(64)

0(64) 0(75) 0(70)

1(96) 1(98)

1(111)

0.9111111111111111

precise=1.0

recall=0.2605633802816901

F1score=0.4134078212290503

**CROSS-CORRELATION**

1. {1: [1, 2], 3: [3, 4, 6, 9], 5: [5, 7, 11], 8: [8]} 0.7333333333333333
2. Jaccard accuracy=0.5833333333333334
3. 迭代阈值 1.0000000000000016 0.8222222222222226

**COUNT CROSS-CORRELATION**

threshold=-0.014999999999999125

0(19) 0(23) 0(20) 0(19) 0(17) 0(17) 0(18) 0(18) 0(17)

0(15) 0(19) 0(17) 0(19) 0(23) 0(21) 0(18) 0(20)

0(22) 0(16) 0(21) 0(17) 0(17) 0(19) 0(22)

0(22) 0(20) 0(19) 0(21) 0(16) 0(20)

0(19) 0(17) 0(17) 0(19) 0(23)

0(18) 0(18) 0(18) 0(20)

0(19) 0(13) 0(19)

0(19) 0(19)

0(18)

0.8222222222222222

方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.772222222222222

**COUNT DBAD**

threshold=0.0029999999999999988

0(52) 0(26) 0(49) 0(34) 0(73) 0(59) 0(45) 0(72) 0(27)

0(17) 0(65) 0(14) 0(86) 0(41) 0(35) 0(74) 0(58)

0(24) 0(50) 0(38) 0(26) 0(45) 0(27) 0(23)

0(17) 0(83) 0(43) 0(48) 0(59) 0(38)

0(32) 0(40) 0(48) 0(17) 0(31)

0(75) 0(51) 0(83) 0(56)

0(48) 0(48) 0(43)

0(50) 0(56)

0(55)

0.8222222222222222

precise=0.20582847403782475

recall=0.0

F1score=0.0

**CROSS-CORRELATION**

1. {1: [1, 2], 3: [3, 9, 4], 5: [5, 6], 7: [7, 8, 11]} 0.8222222222222222
2. Jaccard accuracy=0.7083333333333333
3. 迭代阈值 0.8300000000000015 0.8229629629629633

**COUNT CROSS-CORRELATION**

threshold=-0.02099999999999913

0(17) 0(14) 0(17) 0(14) 0(19) 0(14) 0(13) 0(17) 0(12)

0(13) 0(18) 0(12) 0(19) 0(15) 0(19) 1(21) 0(15)

0(18) 0(15) 0(19) 0(16) 0(11) 0(19) 0(19)

0(11) 0(18) 0(12) 0(18) 0(18) 0(12)

1(22) 0(14) 0(13) 0(13) 0(12)

0(18) 0(19) 0(19) 0(13)

0(20) 0(18) 0(20)

0(17) 0(20)

0(14)

0.8222222222222222

实验十一 (1,2,3,4)(5,6,7,8)(9,10,11)

10,数据丢失，最后使用[1,2,3,4][5,6,7][9,11]

加速度：窗口=3000，步长=0.02

**DBAD**

0.0 : 0.697474747474747

**COUNT DBAD**

threshold=1.1200000000000006

1(99) 1(90) 1(99) 0(66) 0(61) 0(73) 0(77) 0(75)

1(89) 1(96) 0(54) 0(58) 0(66) 0(70) 0(72)

1(81) 0(45) 0(47) 0(49) 0(48) 0(50)

0(74) 0(61) 1(87) 1(82) 1(80)

0(72) 1(81) 0(55) 0(58)

1(78) 0(57) 0(60)

0(66) 0(63)

1(89)

0.8888888888888888

precise=0.888030888030888

recall=0.40350877192982454

F1score=0.5548854041013269

**CROSS-CORRELATION**

1. {1: [1, 2, 4, 3, 9], 5: [5, 11], 6: [6, 7]} 0.7777777777777778
2. Jaccard accuracy=0.6
3. 迭代阈值 0.20400000000000104 0.732843137254902

**COUNT CROSS-CORRELATION**

threshold=-0.006999999999999119

0(21) 0(19) 0(22) 0(23) 0(16) 0(14) 0(22) 0(20)

0(19) 0(21) 0(18) 0(17) 0(18) 0(18) 0(18)

0(23) 0(22) 0(18) 0(22) 0(21) 0(19)

0(18) 0(21) 0(21) 0(17) 0(19)

0(18) 0(19) 0(18) 0(21)

0(18) 0(19) 0(23)

0(12) 0(17)

0(20)

0.7222222222222222

方向：窗口=3000，步长=0.001

**DBAD**

0.0 : 0.6977272727272723

**COUNT DBAD**

threshold=0.01259999999999998

1(79) 0(74) 1(85) 0(57) 0(66) 0(54) 0(67) 0(56)

0(46) 1(86) 0(45) 0(64) 0(53) 0(72) 0(60)

0(58) 0(40) 0(48) 0(47) 0(39) 0(28)

0(65) 0(76) 0(70) 1(82) 0(68)

0(71) 0(67) 0(61) 0(46)

1(79) 0(77) 0(69)

0(67) 0(57)

1(99)

0.8333333333333334

precise=0.8913043478260869

recall=0.19370078740157481

F1score=0.3182406209573092

**CROSS-CORRELATION**

1. {1: [1, 2, 4, 3], 5: [5], 6: [6, 7, 9, 11]} 0.8333333333333334
2. Jaccard accuracy=0.611111111111111
3. 迭代阈值 0.7830000000000015 0.7320261437908494

**COUNT CROSS-CORRELATION**

threshold=-0.08599999999999919

1(24) 0(23) 1(24) 0(19) 0(23) 0(19) 0(20) 0(20)

0(20) 1(27) 0(22) 0(20) 0(20) 0(18) 0(19)

0(23) 0(18) 0(21) 0(19) 0(22) 0(22)

0(21) 0(19) 0(21) 0(23) 0(16)

0(20) 1(26) 0(19) 0(20)

1(29) 0(21) 0(18)

1(25) 0(22)

0(21)

0.8333333333333334