

#### ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 45.0, FP = 58.0, TN = 542.0, FN = 15.0  
TPR = 0.75  
FPR = 0.09666666666666666  
Precision = 0.4368932038834951  
Recall = 0.75  
F.5 Value = 0.47669491525423724  
F1 Value = 0.5521472392638036  
F2 Value = 0.6559766763848396

#### ROUND 2

Size of train data = 1260  
Size of test data = 790  
TP = 108.0, FP = 51.0, TN = 549.0, FN = 82.0  
TPR = 0.5684210526315789  
FPR = 0.085  
Precision = 0.6792452830188679  
Recall = 0.5684210526315789  
F.5 Value = 0.6537530266343826  
F1 Value = 0.6189111747851003  
F2 Value = 0.5875952121871599

#### ROUND 3

Size of train data = 2050  
Size of test data = 650  
TP = 42.0, FP = 97.0, TN = 503.0, FN = 8.0  
TPR = 0.84  
FPR = 0.16166666666666665  
Precision = 0.302158273381295  
Recall = 0.84  
F.5 Value = 0.3465346534653465  
F1 Value = 0.44444444444444445  
F2 Value = 0.6194690265486725

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Current user : scientist-42

#### ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 33.0, FP = 187.0, TN = 413.0, FN = 27.0  
TPR = 0.55  
FPR = 0.31166666666666665  
Precision = 0.15  
Recall = 0.55  
F.5 Value = 0.17553191489361702  
F1 Value = 0.2357142857142857  
F2 Value = 0.3586956521739131

#### ROUND 2

Size of train data = 1260  
Size of test data = 760  
TP = 90.0, FP = 71.0, TN = 529.0, FN = 70.0  
TPR = 0.5625

FPR = 0.11833333333333333  
Precision = 0.5590062111801242  
Recall = 0.5625  
F.5 Value = 0.5597014925373134  
F1 Value = 0.5607476635514018  
F2 Value = 0.5617977528089888

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 48.0, FP = 38.0, TN = 562.0, FN = 32.0  
TPR = 0.6  
FPR = 0.06333333333333334  
Precision = 0.5581395348837209  
Recall = 0.6  
F.5 Value = 0.5660377358490566  
F1 Value = 0.5783132530120482  
F2 Value = 0.5911330049261083

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Current user : novice-19

#### ROUND 1

Size of train data = 600  
Size of test data = 640  
TP = 37.0, FP = 63.0, TN = 537.0, FN = 3.0  
TPR = 0.925  
FPR = 0.105  
Precision = 0.37  
Recall = 0.925  
F.5 Value = 0.4204545454545454  
F1 Value = 0.5285714285714286  
F2 Value = 0.7115384615384615

#### ROUND 2

Size of train data = 1240  
Size of test data = 780  
TP = 120.0, FP = 163.0, TN = 437.0, FN = 60.0  
TPR = 0.6666666666666666  
FPR = 0.27166666666666667  
Precision = 0.42402826855123676  
Recall = 0.6666666666666666  
F.5 Value = 0.4573170731707318  
F1 Value = 0.5183585313174947  
F2 Value = 0.5982053838484547

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 28.0, FP = 210.0, TN = 390.0, FN = 52.0  
TPR = 0.35  
FPR = 0.35  
Precision = 0.11764705882352941  
Recall = 0.35  
F.5 Value = 0.13565891472868216  
F1 Value = 0.1761006289308176

F2 Value = 0.25089605734767023

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Current user : scientist-40

ROUND 1

Size of train data = 600

Size of test data = 680

TP = 71.0, FP = 145.0, TN = 455.0, FN = 9.0

TPR = 0.8875

FPR = 0.24166666666666667

Precision = 0.3287037037037037

Recall = 0.8875

F.5 Value = 0.3760593220338983

F1 Value = 0.47972972972972977

F2 Value = 0.6623134328358208

ROUND 2

Size of train data = 1280

Size of test data = 780

TP = 144.0, FP = 142.0, TN = 458.0, FN = 36.0

TPR = 0.8

FPR = 0.23666666666666666

Precision = 0.5034965034965035

Recall = 0.8

F.5 Value = 0.5438066465256798

F1 Value = 0.6180257510729614

F2 Value = 0.7157057654075547

ROUND 3

Size of train data = 2060

Size of test data = 640

TP = 25.0, FP = 124.0, TN = 476.0, FN = 15.0

TPR = 0.625

FPR = 0.20666666666666667

Precision = 0.16778523489932887

Recall = 0.625

F.5 Value = 0.19654088050314467

F1 Value = 0.26455026455026454

F2 Value = 0.4045307443365696

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Current user : scientist-46

ROUND 1

Size of train data = 600

Size of test data = 670

TP = 46.0, FP = 140.0, TN = 460.0, FN = 24.0

TPR = 0.6571428571428571

FPR = 0.23333333333333334

Precision = 0.24731182795698925

Recall = 0.6571428571428571

F.5 Value = 0.2825552825552825

F1 Value = 0.359375

F2 Value = 0.49356223175965663

ROUND 2

Size of train data = 1270

Size of test data = 710  
TP = 82.0, FP = 136.0, TN = 464.0, FN = 28.0  
TPR = 0.7454545454545455  
FPR = 0.22666666666666666  
Precision = 0.3761467889908257  
Recall = 0.7454545454545455  
F.5 Value = 0.41751527494908347  
F1 Value = 0.5  
F2 Value = 0.6231003039513678

ROUND 3  
Size of train data = 1980  
Size of test data = 720  
TP = 75.0, FP = 128.0, TN = 472.0, FN = 45.0  
TPR = 0.625  
FPR = 0.21333333333333335  
Precision = 0.3694581280788177  
Recall = 0.625  
F.5 Value = 0.40236051502145925  
F1 Value = 0.46439628482972134  
F2 Value = 0.5490483162518301

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Current user : novice-14

ROUND 1  
Size of train data = 600  
Size of test data = 680  
TP = 48.0, FP = 99.0, TN = 501.0, FN = 32.0  
TPR = 0.6  
FPR = 0.165  
Precision = 0.32653061224489793  
Recall = 0.6  
F.5 Value = 0.3592814371257485  
F1 Value = 0.4229074889867841  
F2 Value = 0.5139186295503213

ROUND 2  
Size of train data = 1280  
Size of test data = 750  
TP = 66.0, FP = 75.0, TN = 525.0, FN = 84.0  
TPR = 0.44  
FPR = 0.125  
Precision = 0.46808510638297873  
Recall = 0.44  
F.5 Value = 0.46218487394957974  
F1 Value = 0.4536082474226804  
F2 Value = 0.44534412955465585

ROUND 3  
Size of train data = 2030  
Size of test data = 670  
TP = 32.0, FP = 118.0, TN = 482.0, FN = 38.0  
TPR = 0.45714285714285713  
FPR = 0.19666666666666666  
Precision = 0.21333333333333335

Recall = 0.45714285714285713  
F.5 Value = 0.23880597014925375  
F1 Value = 0.29090909090909095  
F2 Value = 0.37209302325581395

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Current user : scientist-43

ROUND 1

Size of train data = 600  
Size of test data = 670  
TP = 51.0, FP = 163.0, TN = 437.0, FN = 19.0  
TPR = 0.7285714285714285  
FPR = 0.27166666666666667  
Precision = 0.2383177570093458  
Recall = 0.7285714285714285  
F.5 Value = 0.275377969762419  
F1 Value = 0.3591549295774648  
F2 Value = 0.5161943319838057

ROUND 2

Size of train data = 1270  
Size of test data = 750  
TP = 123.0, FP = 114.0, TN = 486.0, FN = 27.0  
TPR = 0.82  
FPR = 0.19  
Precision = 0.5189873417721519  
Recall = 0.82  
F.5 Value = 0.5601092896174863  
F1 Value = 0.6356589147286822  
F2 Value = 0.7347670250896057

ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 62.0, FP = 315.0, TN = 285.0, FN = 18.0  
TPR = 0.775  
FPR = 0.525  
Precision = 0.16445623342175067  
Recall = 0.775  
F.5 Value = 0.1952141057934509  
F1 Value = 0.2713347921225383  
F2 Value = 0.4447632711621234

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Current user : experienced-4

ROUND 1

Size of train data = 600  
Size of test data = 650  
TP = 43.0, FP = 221.0, TN = 379.0, FN = 7.0  
TPR = 0.86  
FPR = 0.36833333333333335  
Precision = 0.16287878787878787  
Recall = 0.86  
F.5 Value = 0.19439421338155516  
F1 Value = 0.27388535031847133  
F2 Value = 0.4633620689655173

#### ROUND 2

Size of train data = 1250

Size of test data = 790

TP = 86.0, FP = 20.0, TN = 580.0, FN = 104.0

TPR = 0.45263157894736844

FPR = 0.03333333333333333

Precision = 0.8113207547169812

Recall = 0.45263157894736844

F.5 Value = 0.7003257328990229

F1 Value = 0.581081081081081

F2 Value = 0.49653579676674364

#### ROUND 3

Size of train data = 2040

Size of test data = 660

TP = 38.0, FP = 26.0, TN = 574.0, FN = 22.0

TPR = 0.6333333333333333

FPR = 0.043333333333333335

Precision = 0.59375

Recall = 0.6333333333333333

F.5 Value = 0.6012658227848101

F1 Value = 0.6129032258064516

F2 Value = 0.625

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Current user : experienced-5

#### ROUND 1

Size of train data = 600

Size of test data = 670

TP = 29.0, FP = 132.0, TN = 468.0, FN = 41.0

TPR = 0.4142857142857143

FPR = 0.22

Precision = 0.18012422360248448

Recall = 0.4142857142857143

F.5 Value = 0.20308123249299723

F1 Value = 0.2510822510822511

F2 Value = 0.3287981859410431

#### ROUND 2

Size of train data = 1270

Size of test data = 740

TP = 91.0, FP = 79.0, TN = 521.0, FN = 49.0

TPR = 0.65

FPR = 0.13166666666666665

Precision = 0.5352941176470588

Recall = 0.65

F.5 Value = 0.5548780487804879

F1 Value = 0.5870967741935484

F2 Value = 0.6232876712328768

#### ROUND 3

Size of train data = 2010

Size of test data = 690

TP = 68.0, FP = 210.0, TN = 390.0, FN = 22.0

TPR = 0.7555555555555555  
FPR = 0.35  
Precision = 0.2446043165467626  
Recall = 0.7555555555555555  
F.5 Value = 0.28286189683860236  
F1 Value = 0.3695652173913043  
F2 Value = 0.5329153605015674

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Current user : experienced-7

ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 52.0, FP = 177.0, TN = 423.0, FN = 8.0  
TPR = 0.8666666666666667  
FPR = 0.295  
Precision = 0.22707423580786026  
Recall = 0.8666666666666667  
F.5 Value = 0.2663934426229508  
F1 Value = 0.3598615916955017  
F2 Value = 0.5543710021321961

ROUND 2

Size of train data = 1260  
Size of test data = 780  
TP = 129.0, FP = 170.0, TN = 430.0, FN = 51.0  
TPR = 0.7166666666666667  
FPR = 0.2833333333333333  
Precision = 0.431438127090301  
Recall = 0.7166666666666667  
F.5 Value = 0.46875  
F1 Value = 0.5386221294363256  
F2 Value = 0.6329735034347399

ROUND 3

Size of train data = 2040  
Size of test data = 660  
TP = 39.0, FP = 97.0, TN = 503.0, FN = 21.0  
TPR = 0.65  
FPR = 0.16166666666666665  
Precision = 0.2867647058823529  
Recall = 0.65  
F.5 Value = 0.32284768211920534  
F1 Value = 0.3979591836734694  
F2 Value = 0.5186170212765958

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Current user : experienced-8

ROUND 1

Size of train data = 600  
Size of test data = 680  
TP = 52.0, FP = 98.0, TN = 502.0, FN = 28.0  
TPR = 0.65  
FPR = 0.16333333333333333  
Precision = 0.3466666666666667  
Recall = 0.65

F.5 Value = 0.38235294117647056  
F1 Value = 0.4521739130434783  
F2 Value = 0.5531914893617021

#### ROUND 2

Size of train data = 1280  
Size of test data = 740  
TP = 100.0, FP = 52.0, TN = 548.0, FN = 40.0  
TPR = 0.7142857142857143  
FPR = 0.08666666666666667  
Precision = 0.6578947368421053  
Recall = 0.7142857142857143  
F.5 Value = 0.6684491978609626  
F1 Value = 0.684931506849315  
F2 Value = 0.702247191011236

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 37.0, FP = 36.0, TN = 564.0, FN = 43.0  
TPR = 0.4625  
FPR = 0.06  
Precision = 0.5068493150684932  
Recall = 0.4625  
F.5 Value = 0.4973118279569892  
F1 Value = 0.48366013071895425  
F2 Value = 0.4707379134860051

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Current user : experienced-1

#### ROUND 1

Size of train data = 600  
Size of test data = 680  
TP = 55.0, FP = 110.0, TN = 490.0, FN = 25.0  
TPR = 0.6875  
FPR = 0.18333333333333332  
Precision = 0.3333333333333333  
Recall = 0.6875  
F.5 Value = 0.3716216216216216  
F1 Value = 0.4489795918367347  
F2 Value = 0.5670103092783506

#### ROUND 2

Size of train data = 1280  
Size of test data = 750  
TP = 81.0, FP = 113.0, TN = 487.0, FN = 69.0  
TPR = 0.54  
FPR = 0.18833333333333332  
Precision = 0.4175257731958763  
Recall = 0.54  
F.5 Value = 0.4373650107991361  
F1 Value = 0.47093023255813954  
F2 Value = 0.5100755667506296

#### ROUND 3



Size of train data = 2030  
Size of test data = 670  
TP = 37.0, FP = 83.0, TN = 517.0, FN = 33.0  
TPR = 0.5285714285714286  
FPR = 0.13833333333333334  
Precision = 0.30833333333333335  
Recall = 0.5285714285714286  
F.5 Value = 0.3363636363636364  
F1 Value = 0.38947368421052636  
F2 Value = 0.46250000000000001

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Current user : scientist-23

ROUND 1

Size of train data = 600  
Size of test data = 700  
TP = 88.0, FP = 133.0, TN = 467.0, FN = 12.0  
TPR = 0.88  
FPR = 0.22166666666666668  
Precision = 0.39819004524886875  
Recall = 0.88  
F.5 Value = 0.44715447154471544  
F1 Value = 0.5482866043613707  
F2 Value = 0.7085346215780999

ROUND 2

Size of train data = 1300  
Size of test data = 710  
TP = 94.0, FP = 153.0, TN = 447.0, FN = 16.0  
TPR = 0.8545454545454545  
FPR = 0.255  
Precision = 0.3805668016194332  
Recall = 0.8545454545454545  
F.5 Value = 0.42805100182149364  
F1 Value = 0.5266106442577031  
F2 Value = 0.6841339155749635

ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 59.0, FP = 119.0, TN = 481.0, FN = 31.0  
TPR = 0.6555555555555556  
FPR = 0.19833333333333333  
Precision = 0.33146067415730335  
Recall = 0.6555555555555556  
F.5 Value = 0.3678304239401496  
F1 Value = 0.44029850746268656  
F2 Value = 0.5483271375464683

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Current user : novice-36

ROUND 1

Size of train data = 600  
Size of test data = 670  
TP = 43.0, FP = 67.0, TN = 533.0, FN = 27.0  
TPR = 0.6142857142857143

FPR = 0.11166666666666666  
Precision = 0.39090909090909093  
Recall = 0.6142857142857143  
F.5 Value = 0.4215686274509804  
F1 Value = 0.47777777777777786  
F2 Value = 0.5512820512820512

#### ROUND 2

Size of train data = 1270  
Size of test data = 750  
TP = 89.0, FP = 164.0, TN = 436.0, FN = 61.0  
TPR = 0.5933333333333334  
FPR = 0.2733333333333333  
Precision = 0.35177865612648224  
Recall = 0.5933333333333334  
F.5 Value = 0.38296041308089507  
F1 Value = 0.44168734491315137  
F2 Value = 0.5216881594372803

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 40.0, FP = 104.0, TN = 496.0, FN = 40.0  
TPR = 0.5  
FPR = 0.17333333333333334  
Precision = 0.2777777777777778  
Recall = 0.5  
F.5 Value = 0.3048780487804878  
F1 Value = 0.35714285714285715  
F2 Value = 0.43103448275862066

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Current user : scientist-20

#### ROUND 1

Size of train data = 600  
Size of test data = 650  
TP = 32.0, FP = 65.0, TN = 535.0, FN = 18.0  
TPR = 0.64  
FPR = 0.10833333333333334  
Precision = 0.32989690721649484  
Recall = 0.64  
F.5 Value = 0.365296803652968  
F1 Value = 0.43537414965986393  
F2 Value = 0.5387205387205388

#### ROUND 2

Size of train data = 1250  
Size of test data = 780  
TP = 114.0, FP = 68.0, TN = 532.0, FN = 66.0  
TPR = 0.6333333333333333  
FPR = 0.11333333333333333  
Precision = 0.6263736263736264  
Recall = 0.6333333333333333  
F.5 Value = 0.6277533039647577  
F1 Value = 0.6298342541436464

F2 Value = 0.6319290465631928

ROUND 3

Size of train data = 2030

Size of test data = 670

TP = 45.0, FP = 93.0, TN = 507.0, FN = 25.0

TPR = 0.6428571428571429

FPR = 0.155

Precision = 0.32608695652173914

Recall = 0.6428571428571429

F.5 Value = 0.3617363344051447

F1 Value = 0.4326923076923077

F2 Value = 0.5382775119617226

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Current user : scientist-29

ROUND 1

Size of train data = 600

Size of test data = 630

TP = 18.0, FP = 82.0, TN = 518.0, FN = 12.0

TPR = 0.6

FPR = 0.13666666666666666

Precision = 0.18

Recall = 0.6

F.5 Value = 0.20930232558139536

F1 Value = 0.2769230769230769

F2 Value = 0.40909090909090917

ROUND 2

Size of train data = 1230

Size of test data = 790

TP = 144.0, FP = 216.0, TN = 384.0, FN = 46.0

TPR = 0.7578947368421053

FPR = 0.36

Precision = 0.4

Recall = 0.7578947368421053

F.5 Value = 0.44171779141104295

F1 Value = 0.5236363636363637

F2 Value = 0.6428571428571428

ROUND 3

Size of train data = 2020

Size of test data = 680

TP = 65.0, FP = 333.0, TN = 267.0, FN = 15.0

TPR = 0.8125

FPR = 0.555

Precision = 0.16331658291457288

Recall = 0.8125

F.5 Value = 0.19437799043062198

F1 Value = 0.2719665271966527

F2 Value = 0.45264623955431754

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Current user : scientist-27

ROUND 1

Size of train data = 600

Size of test data = 700  
TP = 67.0, FP = 33.0, TN = 567.0, FN = 33.0  
TPR = 0.67  
FPR = 0.055  
Precision = 0.67  
Recall = 0.67  
F.5 Value = 0.6700000000000002  
F1 Value = 0.67  
F2 Value = 0.6700000000000002

ROUND 2  
Size of train data = 1300  
Size of test data = 700  
TP = 63.0, FP = 159.0, TN = 441.0, FN = 37.0  
TPR = 0.63  
FPR = 0.265  
Precision = 0.28378378378378377  
Recall = 0.63  
F.5 Value = 0.3188259109311741  
F1 Value = 0.391304347826087  
F2 Value = 0.5064308681672026

ROUND 3  
Size of train data = 2000  
Size of test data = 700  
TP = 51.0, FP = 39.0, TN = 561.0, FN = 49.0  
TPR = 0.51  
FPR = 0.065  
Precision = 0.5666666666666667  
Recall = 0.51  
F.5 Value = 0.5543478260869565  
F1 Value = 0.5368421052631579  
F2 Value = 0.5204081632653061

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Current user : scientist-25

ROUND 1  
Size of train data = 600  
Size of test data = 650  
TP = 40.0, FP = 108.0, TN = 492.0, FN = 10.0  
TPR = 0.8  
FPR = 0.18  
Precision = 0.2702702702702703  
Recall = 0.8  
F.5 Value = 0.31152647975077885  
F1 Value = 0.404040404040404  
F2 Value = 0.5747126436781609

ROUND 2  
Size of train data = 1250  
Size of test data = 800  
TP = 118.0, FP = 49.0, TN = 551.0, FN = 82.0  
TPR = 0.59  
FPR = 0.08166666666666667  
Precision = 0.7065868263473054

Recall = 0.59  
F.5 Value = 0.6797235023041475  
F1 Value = 0.6430517711171663  
F2 Value = 0.610134436401241

### ROUND 3

Size of train data = 2050  
Size of test data = 650  
TP = 14.0, FP = 76.0, TN = 524.0, FN = 36.0  
TPR = 0.28  
FPR = 0.12666666666666668  
Precision = 0.15555555555555556  
Recall = 0.28  
F.5 Value = 0.1707317073170732  
F1 Value = 0.2  
F2 Value = 0.24137931034482762

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Current user : novice-33

### ROUND 1

Size of train data = 600  
Size of test data = 670  
TP = 24.0, FP = 22.0, TN = 578.0, FN = 46.0  
TPR = 0.34285714285714286  
FPR = 0.03666666666666667  
Precision = 0.5217391304347826  
Recall = 0.34285714285714286  
F.5 Value = 0.47244094488188976  
F1 Value = 0.4137931034482759  
F2 Value = 0.36809815950920244

### ROUND 2

Size of train data = 1270  
Size of test data = 780  
TP = 98.0, FP = 87.0, TN = 513.0, FN = 82.0  
TPR = 0.5444444444444444  
FPR = 0.145  
Precision = 0.5297297297297298  
Recall = 0.5444444444444444  
F.5 Value = 0.532608695652174  
F1 Value = 0.536986301369863  
F2 Value = 0.5414364640883979

### ROUND 3

Size of train data = 2050  
Size of test data = 650  
TP = 30.0, FP = 145.0, TN = 455.0, FN = 20.0  
TPR = 0.6  
FPR = 0.24166666666666667  
Precision = 0.17142857142857143  
Recall = 0.6  
F.5 Value = 0.2  
F1 Value = 0.26666666666666666  
F2 Value = 0.4

Current user : novice-46

ROUND 1

Size of train data = 600

Size of test data = 680

TP = 58.0, FP = 106.0, TN = 494.0, FN = 22.0

TPR = 0.725

FPR = 0.17666666666666667

Precision = 0.35365853658536583

Recall = 0.725

F.5 Value = 0.3940217391304348

F1 Value = 0.4754098360655738

F2 Value = 0.5991735537190083

ROUND 2

Size of train data = 1280

Size of test data = 720

TP = 61.0, FP = 123.0, TN = 477.0, FN = 59.0

TPR = 0.5083333333333333

FPR = 0.205

Precision = 0.33152173913043476

Recall = 0.5083333333333333

F.5 Value = 0.35630841121495327

F1 Value = 0.4013157894736841

F2 Value = 0.4593373493975903

ROUND 3

Size of train data = 2000

Size of test data = 700

TP = 43.0, FP = 136.0, TN = 464.0, FN = 57.0

TPR = 0.43

FPR = 0.22666666666666666

Precision = 0.24022346368715083

Recall = 0.43

F.5 Value = 0.26348039215686275

F1 Value = 0.30824372759856633

F2 Value = 0.3713298791018998

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Current user : scientist-34

ROUND 1

Size of train data = 600

Size of test data = 700

TP = 55.0, FP = 149.0, TN = 451.0, FN = 45.0

TPR = 0.55

FPR = 0.24833333333333332

Precision = 0.2696078431372549

Recall = 0.55

F.5 Value = 0.3002183406113537

F1 Value = 0.3618421052631579

F2 Value = 0.45529801324503316

ROUND 2

Size of train data = 1300

Size of test data = 720

TP = 70.0, FP = 35.0, TN = 565.0, FN = 50.0

TPR = 0.5833333333333334  
FPR = 0.05833333333333334  
Precision = 0.6666666666666666  
Recall = 0.5833333333333334  
F.5 Value = 0.6481481481481481  
F1 Value = 0.6222222222222222  
F2 Value = 0.5982905982905983

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 27.0, FP = 76.0, TN = 524.0, FN = 53.0  
TPR = 0.3375  
FPR = 0.12666666666666668  
Precision = 0.2621359223300971  
Recall = 0.3375  
F.5 Value = 0.27439024390243905  
F1 Value = 0.2950819672131148  
F2 Value = 0.31914893617021284

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Current user : scientist-37

#### ROUND 1

Size of train data = 600  
Size of test data = 700  
TP = 28.0, FP = 41.0, TN = 559.0, FN = 72.0  
TPR = 0.28  
FPR = 0.06833333333333333  
Precision = 0.4057971014492754  
Recall = 0.28  
F.5 Value = 0.37234042553191493  
F1 Value = 0.33136094674556216  
F2 Value = 0.2985074626865672

#### ROUND 2

Size of train data = 1300  
Size of test data = 730  
TP = 59.0, FP = 31.0, TN = 569.0, FN = 71.0  
TPR = 0.45384615384615384  
FPR = 0.051666666666666666  
Precision = 0.6555555555555556  
Recall = 0.45384615384615384  
F.5 Value = 0.6020408163265306  
F1 Value = 0.5363636363636364  
F2 Value = 0.48360655737704916

#### ROUND 3

Size of train data = 2030  
Size of test data = 670  
TP = 27.0, FP = 15.0, TN = 585.0, FN = 43.0  
TPR = 0.38571428571428573  
FPR = 0.025  
Precision = 0.6428571428571429  
Recall = 0.38571428571428573  
F.5 Value = 0.5672268907563025

F1 Value = 0.48214285714285715  
F2 Value = 0.4192546583850932

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Current user : scientist-38

ROUND 1

Size of train data = 600  
Size of test data = 720  
TP = 86.0, FP = 75.0, TN = 525.0, FN = 34.0  
TPR = 0.7166666666666667  
FPR = 0.125  
Precision = 0.5341614906832298  
Recall = 0.7166666666666667  
F.5 Value = 0.5628272251308901  
F1 Value = 0.6120996441281139  
F2 Value = 0.6708268330733229

ROUND 2

Size of train data = 1320  
Size of test data = 690  
TP = 77.0, FP = 119.0, TN = 481.0, FN = 13.0  
TPR = 0.8555555555555555  
FPR = 0.19833333333333333  
Precision = 0.39285714285714285  
Recall = 0.8555555555555555  
F.5 Value = 0.44050343249427915  
F1 Value = 0.5384615384615384  
F2 Value = 0.6924460431654677

ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 54.0, FP = 96.0, TN = 504.0, FN = 36.0  
TPR = 0.6  
FPR = 0.16  
Precision = 0.36  
Recall = 0.6  
F.5 Value = 0.39130434782608703  
F1 Value = 0.45  
F2 Value = 0.5294117647058824

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Current user : non-4

ROUND 1

Size of train data = 600  
Size of test data = 640  
TP = 27.0, FP = 72.0, TN = 528.0, FN = 13.0  
TPR = 0.675  
FPR = 0.12  
Precision = 0.2727272727272727  
Recall = 0.675  
F.5 Value = 0.30963302752293576  
F1 Value = 0.3884892086330935  
F2 Value = 0.5212355212355212

ROUND 2



Size of train data = 1240  
Size of test data = 770  
TP = 90.0, FP = 23.0, TN = 577.0, FN = 80.0  
TPR = 0.5294117647058824  
FPR = 0.03833333333333333  
Precision = 0.7964601769911505  
Recall = 0.5294117647058824  
F.5 Value = 0.7234726688102895  
F1 Value = 0.6360424028268551  
F2 Value = 0.5674653215636822

#### ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 70.0, FP = 38.0, TN = 562.0, FN = 20.0  
TPR = 0.7777777777777778  
FPR = 0.06333333333333334  
Precision = 0.6481481481481481  
Recall = 0.7777777777777778  
F.5 Value = 0.6704980842911876  
F1 Value = 0.707070707070707  
F2 Value = 0.7478632478632479

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Current user : scientist-2

#### ROUND 1

Size of train data = 600  
Size of test data = 680  
TP = 49.0, FP = 211.0, TN = 389.0, FN = 31.0  
TPR = 0.6125  
FPR = 0.3516666666666667  
Precision = 0.18846153846153846  
Recall = 0.6125  
F.5 Value = 0.21874999999999997  
F1 Value = 0.2882352941176471  
F2 Value = 0.4224137931034483

#### ROUND 2

Size of train data = 1280  
Size of test data = 730  
TP = 80.0, FP = 116.0, TN = 484.0, FN = 50.0  
TPR = 0.6153846153846154  
FPR = 0.19333333333333333  
Precision = 0.40816326530612246  
Recall = 0.6153846153846154  
F.5 Value = 0.43763676148796504  
F1 Value = 0.49079754601227  
F2 Value = 0.558659217877095

#### ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 53.0, FP = 144.0, TN = 456.0, FN = 37.0  
TPR = 0.5888888888888889  
FPR = 0.24

Precision = 0.26903553299492383  
Recall = 0.5888888888888889  
F.5 Value = 0.30182232346241455  
F1 Value = 0.3693379790940767  
F2 Value = 0.47576301615798927

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Current user : scientist-4

ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 43.0, FP = 70.0, TN = 530.0, FN = 17.0  
TPR = 0.7166666666666667  
FPR = 0.1166666666666667  
Precision = 0.3805309734513274  
Recall = 0.7166666666666667  
F.5 Value = 0.41992187499999994  
F1 Value = 0.4971098265895953  
F2 Value = 0.6090651558073654

ROUND 2

Size of train data = 1260  
Size of test data = 750  
TP = 111.0, FP = 138.0, TN = 462.0, FN = 39.0  
TPR = 0.74  
FPR = 0.23  
Precision = 0.4457831325301205  
Recall = 0.74  
F.5 Value = 0.48429319371727747  
F1 Value = 0.556390977443609  
F2 Value = 0.6537102473498233

ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 71.0, FP = 131.0, TN = 469.0, FN = 19.0  
TPR = 0.7888888888888889  
FPR = 0.21833333333333332  
Precision = 0.35148514851485146  
Recall = 0.7888888888888889  
F.5 Value = 0.3953229398663697  
F1 Value = 0.48630136986301364  
F2 Value = 0.6316725978647686

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Current user : experienced-35

ROUND 1

Size of train data = 600  
Size of test data = 640  
TP = 27.0, FP = 104.0, TN = 496.0, FN = 13.0  
TPR = 0.675  
FPR = 0.17333333333333334  
Precision = 0.20610687022900764  
Recall = 0.675  
F.5 Value = 0.2393617021276596  
F1 Value = 0.31578947368421056

F2 Value = 0.4639175257731959

ROUND 2

Size of train data = 1240

Size of test data = 760

TP = 94.0, FP = 172.0, TN = 428.0, FN = 66.0

TPR = 0.5875

FPR = 0.2866666666666667

Precision = 0.3533834586466165

Recall = 0.5875

F.5 Value = 0.3839869281045752

F1 Value = 0.4413145539906103

F2 Value = 0.5187637969094923

ROUND 3

Size of train data = 2000

Size of test data = 700

TP = 41.0, FP = 88.0, TN = 512.0, FN = 59.0

TPR = 0.41

FPR = 0.1466666666666667

Precision = 0.3178294573643411

Recall = 0.41

F.5 Value = 0.3327922077922078

F1 Value = 0.3580786026200873

F2 Value = 0.387523629489603

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Current user : scientist-14

ROUND 1

Size of train data = 600

Size of test data = 670

TP = 35.0, FP = 188.0, TN = 412.0, FN = 35.0

TPR = 0.5

FPR = 0.31333333333333335

Precision = 0.15695067264573992

Recall = 0.5

F.5 Value = 0.1819126819126819

F1 Value = 0.23890784982935154

F2 Value = 0.34791252485089463

ROUND 2

Size of train data = 1270

Size of test data = 730

TP = 89.0, FP = 228.0, TN = 372.0, FN = 41.0

TPR = 0.6846153846153846

FPR = 0.38

Precision = 0.2807570977917981

Recall = 0.6846153846153846

F.5 Value = 0.3183118741058655

F1 Value = 0.39821029082774045

F2 Value = 0.5316606929510156

ROUND 3

Size of train data = 2000

Size of test data = 700

TP = 74.0, FP = 56.0, TN = 544.0, FN = 26.0  
TPR = 0.74  
FPR = 0.09333333333333334  
Precision = 0.5692307692307692  
Recall = 0.74  
F.5 Value = 0.5967741935483871  
F1 Value = 0.6434782608695652  
F2 Value = 0.6981132075471698

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Current user : scientist-19

ROUND 1

Size of train data = 600  
Size of test data = 640  
TP = 19.0, FP = 82.0, TN = 518.0, FN = 21.0  
TPR = 0.475  
FPR = 0.13666666666666666  
Precision = 0.18811881188118812  
Recall = 0.475  
F.5 Value = 0.21396396396396394  
F1 Value = 0.2695035460992908  
F2 Value = 0.36398467432950193

ROUND 2

Size of train data = 1240  
Size of test data = 780  
TP = 91.0, FP = 37.0, TN = 563.0, FN = 89.0  
TPR = 0.5055555555555555  
FPR = 0.06166666666666667  
Precision = 0.7109375  
Recall = 0.5055555555555555  
F.5 Value = 0.6575144508670521  
F1 Value = 0.5909090909090909  
F2 Value = 0.5365566037735849

ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 43.0, FP = 63.0, TN = 537.0, FN = 37.0  
TPR = 0.5375  
FPR = 0.105  
Precision = 0.4056603773584906  
Recall = 0.5375  
F.5 Value = 0.4265873015873016  
F1 Value = 0.4623655913978495  
F2 Value = 0.5046948356807512

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Current user : scientist-18

ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 47.0, FP = 43.0, TN = 557.0, FN = 13.0  
TPR = 0.7833333333333333  
FPR = 0.07166666666666667  
Precision = 0.5222222222222223

Recall = 0.7833333333333333  
F.5 Value = 0.5595238095238095  
F1 Value = 0.6266666666666667  
F2 Value = 0.7121212121212122

#### ROUND 2

Size of train data = 1260  
Size of test data = 770  
TP = 115.0, FP = 63.0, TN = 537.0, FN = 55.0  
TPR = 0.6764705882352942  
FPR = 0.105  
Precision = 0.6460674157303371  
Recall = 0.6764705882352942  
F.5 Value = 0.6519274376417233  
F1 Value = 0.6609195402298852  
F2 Value = 0.6701631701631702

#### ROUND 3

Size of train data = 2030  
Size of test data = 670  
TP = 56.0, FP = 85.0, TN = 515.0, FN = 14.0  
TPR = 0.8  
FPR = 0.14166666666666666  
Precision = 0.3971631205673759  
Recall = 0.8  
F.5 Value = 0.4416403785488959  
F1 Value = 0.5308056872037915  
F2 Value = 0.6650831353919239

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Current user : scientist-13

#### ROUND 1

Size of train data = 600  
Size of test data = 710  
TP = 38.0, FP = 85.0, TN = 515.0, FN = 72.0  
TPR = 0.34545454545454546  
FPR = 0.14166666666666666  
Precision = 0.3089430894308943  
Recall = 0.34545454545454546  
F.5 Value = 0.31561461794019935  
F1 Value = 0.32618025751072965  
F2 Value = 0.3374777975133215

#### ROUND 2

Size of train data = 1310  
Size of test data = 740  
TP = 67.0, FP = 70.0, TN = 530.0, FN = 73.0  
TPR = 0.4785714285714286  
FPR = 0.11666666666666667  
Precision = 0.48905109489051096  
Recall = 0.4785714285714286  
F.5 Value = 0.48691860465116277  
F1 Value = 0.48375451263537905  
F2 Value = 0.4806312769010043

### ROUND 3

Size of train data = 2050

Size of test data = 650

TP = 28.0, FP = 119.0, TN = 481.0, FN = 22.0

TPR = 0.56

FPR = 0.19833333333333333

Precision = 0.19047619047619047

Recall = 0.56

F.5 Value = 0.21943573667711594

F1 Value = 0.28426395939086296

F2 Value = 0.4034582132564841

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Current user : scientist-12

### ROUND 1

Size of train data = 600

Size of test data = 680

TP = 63.0, FP = 82.0, TN = 518.0, FN = 17.0

TPR = 0.7875

FPR = 0.13666666666666666

Precision = 0.43448275862068964

Recall = 0.7875

F.5 Value = 0.47727272727272724

F1 Value = 0.56

F2 Value = 0.6774193548387095

### ROUND 2

Size of train data = 1280

Size of test data = 780

TP = 162.0, FP = 135.0, TN = 465.0, FN = 18.0

TPR = 0.9

FPR = 0.225

Precision = 0.5454545454545454

Recall = 0.9

F.5 Value = 0.5921052631578947

F1 Value = 0.679245283018868

F2 Value = 0.7964601769911506

### ROUND 3

Size of train data = 2060

Size of test data = 640

TP = 30.0, FP = 67.0, TN = 533.0, FN = 10.0

TPR = 0.75

FPR = 0.11166666666666666

Precision = 0.30927835051546393

Recall = 0.75

F.5 Value = 0.3504672897196262

F1 Value = 0.43795620437956206

F2 Value = 0.5836575875486382

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Current user : experienced-22

### ROUND 1

Size of train data = 600

Size of test data = 660

TP = 32.0, FP = 53.0, TN = 547.0, FN = 28.0

TPR = 0.5333333333333333  
FPR = 0.0883333333333333  
Precision = 0.3764705882352941  
Recall = 0.5333333333333333  
F.5 Value = 0.4  
F1 Value = 0.4413793103448276  
F2 Value = 0.49230769230769234

#### ROUND 2

Size of train data = 1260  
Size of test data = 770  
TP = 104.0, FP = 130.0, TN = 470.0, FN = 66.0  
TPR = 0.611764705882353  
FPR = 0.21666666666666667  
Precision = 0.4444444444444444  
Recall = 0.611764705882353  
F.5 Value = 0.4701627486437613  
F1 Value = 0.5148514851485149  
F2 Value = 0.5689277899343546

#### ROUND 3

Size of train data = 2030  
Size of test data = 670  
TP = 54.0, FP = 83.0, TN = 517.0, FN = 16.0  
TPR = 0.7714285714285715  
FPR = 0.13833333333333334  
Precision = 0.39416058394160586  
Recall = 0.7714285714285715  
F.5 Value = 0.4368932038834951  
F1 Value = 0.5217391304347826  
F2 Value = 0.6474820143884892

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Current user : experienced-20

#### ROUND 1

Size of train data = 600  
Size of test data = 690  
TP = 70.0, FP = 242.0, TN = 358.0, FN = 20.0  
TPR = 0.7777777777777778  
FPR = 0.4033333333333333  
Precision = 0.22435897435897437  
Recall = 0.7777777777777778  
F.5 Value = 0.2615844544095665  
F1 Value = 0.3482587064676617  
F2 Value = 0.5208333333333333

#### ROUND 2

Size of train data = 1290  
Size of test data = 740  
TP = 116.0, FP = 73.0, TN = 527.0, FN = 24.0  
TPR = 0.8285714285714286  
FPR = 0.12166666666666667  
Precision = 0.6137566137566137  
Recall = 0.8285714285714286  
F.5 Value = 0.6473214285714285

F1 Value = 0.7051671732522796  
F2 Value = 0.774365821094793

#### ROUND 3

Size of train data = 2030  
Size of test data = 670  
TP = 36.0, FP = 47.0, TN = 553.0, FN = 34.0  
TPR = 0.5142857142857142  
FPR = 0.07833333333333334  
Precision = 0.43373493975903615  
Recall = 0.5142857142857142  
F.5 Value = 0.44776119402985076  
F1 Value = 0.47058823529411764  
F2 Value = 0.4958677685950412

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Current user : experienced-24

#### ROUND 1

Size of train data = 600  
Size of test data = 650  
TP = 32.0, FP = 161.0, TN = 439.0, FN = 18.0  
TPR = 0.64  
FPR = 0.2683333333333333  
Precision = 0.16580310880829016  
Recall = 0.64  
F.5 Value = 0.194647201946472  
F1 Value = 0.2633744855967078  
F2 Value = 0.4071246819338422

#### ROUND 2

Size of train data = 1250  
Size of test data = 770  
TP = 120.0, FP = 114.0, TN = 486.0, FN = 50.0  
TPR = 0.7058823529411765  
FPR = 0.19  
Precision = 0.5128205128205128  
Recall = 0.7058823529411765  
F.5 Value = 0.5424954792043399  
F1 Value = 0.594059405940594  
F2 Value = 0.6564551422319475

#### ROUND 3

Size of train data = 2020  
Size of test data = 680  
TP = 65.0, FP = 141.0, TN = 459.0, FN = 15.0  
TPR = 0.8125  
FPR = 0.235  
Precision = 0.3155339805825243  
Recall = 0.8125  
F.5 Value = 0.3595132743362832  
F1 Value = 0.4545454545454546  
F2 Value = 0.6178707224334601

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Current user : experienced-28

#### ROUND 1



Size of train data = 600  
Size of test data = 660  
TP = 38.0, FP = 73.0, TN = 527.0, FN = 22.0  
TPR = 0.6333333333333333  
FPR = 0.12166666666666667  
Precision = 0.34234234234234234  
Recall = 0.6333333333333333  
F.5 Value = 0.376984126984127  
F1 Value = 0.4444444444444444  
F2 Value = 0.5413105413105413

#### ROUND 2

Size of train data = 1260  
Size of test data = 750  
TP = 109.0, FP = 8.0, TN = 592.0, FN = 41.0  
TPR = 0.7266666666666667  
FPR = 0.013333333333333334  
Precision = 0.9316239316239316  
Recall = 0.7266666666666667  
F.5 Value = 0.8818770226537218  
F1 Value = 0.8164794007490637  
F2 Value = 0.7601115760111576

#### ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 72.0, FP = 95.0, TN = 505.0, FN = 18.0  
TPR = 0.8  
FPR = 0.15833333333333333  
Precision = 0.4311377245508982  
Recall = 0.8  
F.5 Value = 0.474934036939314  
F1 Value = 0.5603112840466926  
F2 Value = 0.683111954459203

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Current user : scientist-9

#### ROUND 1

Size of train data = 600  
Size of test data = 660  
TP = 25.0, FP = 179.0, TN = 421.0, FN = 35.0  
TPR = 0.4166666666666667  
FPR = 0.29833333333333334  
Precision = 0.12254901960784313  
Recall = 0.4166666666666667  
F.5 Value = 0.14269406392694062  
F1 Value = 0.1893939393939394  
F2 Value = 0.2815315315315315

#### ROUND 2

Size of train data = 1260  
Size of test data = 750  
TP = 88.0, FP = 57.0, TN = 543.0, FN = 62.0  
TPR = 0.5866666666666667  
FPR = 0.095

Precision = 0.6068965517241379  
Recall = 0.5866666666666667  
F.5 Value = 0.6027397260273973  
F1 Value = 0.5966101694915253  
F2 Value = 0.5906040268456376

### ROUND 3

Size of train data = 2010  
Size of test data = 690  
TP = 58.0, FP = 139.0, TN = 461.0, FN = 32.0  
TPR = 0.6444444444444445  
FPR = 0.23166666666666666  
Precision = 0.29441624365482233  
Recall = 0.6444444444444445  
F.5 Value = 0.33029612756264237  
F1 Value = 0.40418118466898956  
F2 Value = 0.5206463195691203  
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Overall FPR = 0.17842342342342338

Overall TPR = 0.6340296698423634

Overall Precision = 0.3938171319192754

Overall Recall = 0.6340296698423634

Overall F0.5 = 0.4144393450118245

Overall F1 = 0.46061380978132777

Overall F2 = 0.5393335442844494

Process finished with exit code 0