**4S\_4C\_var4**

C:\Users\Lino\anaconda3\envs\gender\python.exe C:/Users/Lino/PycharmProjects/gender/classificatoreSVM.py

(23568, 64)

Classification report for classifier SVC(C=1.0, break\_ties=False, cache\_size=200, class\_weight=None, coef0=0.0,

decision\_function\_shape='ovr', degree=3, gamma='scale', kernel='rbf',

max\_iter=-1, probability=False, random\_state=None, shrinking=True,

tol=0.001, verbose=False):

precision recall f1-score support

0 0.71 0.75 0.73 3640

1 0.72 0.68 0.70 3431

accuracy 0.72 7071

macro avg 0.72 0.72 0.72 7071

weighted avg 0.72 0.72 0.72 7071

Confusion matrix:

[[2731 909]

[1091 2340]]

Accuracy Score:

0.717154575024749

Process finished with exit code 0

**4S\_4C\_var2**

C:\Users\Lino\anaconda3\envs\gender\python.exe C:/Users/Lino/PycharmProjects/gender/classificatoreSVM.py

(23568, 64)

Classification report for classifier SVC(C=1.0, break\_ties=False, cache\_size=200, class\_weight=None, coef0=0.0,

decision\_function\_shape='ovr', degree=3, gamma='scale', kernel='rbf',

max\_iter=-1, probability=False, random\_state=None, shrinking=True,

tol=0.001, verbose=False):

precision recall f1-score support

0 0.73 0.76 0.74 3640

1 0.73 0.71 0.72 3431

accuracy 0.73 7071

macro avg 0.73 0.73 0.73 7071

weighted avg 0.73 0.73 0.73 7071

Confusion matrix:

[[2750 890]

[1003 2428]]

Accuracy Score:

0.7322868052609249

Process finished with exit code 0

**4S\_3C\_inv**

C:\Users\Lino\anaconda3\envs\gender\python.exe C:/Users/Lino/PycharmProjects/gender/classificatoreSVM.py

(23568, 48)

Classification report for classifier SVC(C=1.0, break\_ties=False, cache\_size=200, class\_weight=None, coef0=0.0,

decision\_function\_shape='ovr', degree=3, gamma='scale', kernel='rbf',

max\_iter=-1, probability=False, random\_state=None, shrinking=True,

tol=0.001, verbose=False):

precision recall f1-score support

0 0.70 0.75 0.72 3640

1 0.71 0.66 0.69 3431

accuracy 0.71 7071

macro avg 0.71 0.71 0.71 7071

weighted avg 0.71 0.71 0.71 7071

Confusion matrix:

[[2730 910]

[1162 2269]]

Accuracy Score:

0.70697213972564

**5C\_4S\_inv**

C:\Users\Lino\anaconda3\envs\gender\python.exe C:/Users/Lino/PycharmProjects/gender/classificatoreSVM.py

(23568, 80)

Classification report for classifier SVC(C=1.0, break\_ties=False, cache\_size=200, class\_weight=None, coef0=0.0,

decision\_function\_shape='ovr', degree=3, gamma='scale', kernel='rbf',

max\_iter=-1, probability=False, random\_state=None, shrinking=True,

tol=0.001, verbose=False):

precision recall f1-score support

0 0.74 0.77 0.76 3640

1 0.74 0.72 0.73 3431

accuracy 0.74 7071

macro avg 0.74 0.74 0.74 7071

weighted avg 0.74 0.74 0.74 7071

Confusion matrix:

[[2792 848]

[ 963 2468]]

Accuracy Score:

0.7438834676849102

Process finished with exit code 0