**With became\_member\_on**

Accuracy: 0.8112647554806071

Column: y0

precision recall f1-score support

0 0.84 0.97 0.90 2503

1 0.17 0.03 0.05 462

accuracy 0.82 2965

macro avg 0.51 0.50 0.48 2965

weighted avg 0.74 0.82 0.77 2965

Column: y1

precision recall f1-score support

0 0.84 0.96 0.90 2497

1 0.22 0.06 0.09 468

accuracy 0.82 2965

macro avg 0.53 0.51 0.50 2965

weighted avg 0.75 0.82 0.77 2965

Column: y2

precision recall f1-score support

0 0.88 0.98 0.93 2596

1 0.23 0.03 0.06 369

accuracy 0.87 2965

macro avg 0.55 0.51 0.49 2965

weighted avg 0.80 0.87 0.82 2965

Column: y3

precision recall f1-score support

0 0.81 0.94 0.87 2397

1 0.20 0.06 0.09 568

accuracy 0.77 2965

macro avg 0.50 0.50 0.48 2965

weighted avg 0.69 0.77 0.72 2965

Column: y4

precision recall f1-score support

0 0.92 0.99 0.95 2733

1 0.09 0.01 0.02 232

accuracy 0.91 2965

macro avg 0.51 0.50 0.49 2965

weighted avg 0.86 0.91 0.88 2965

**Without became\_member\_on**

Accuracy: 0.7682967959527824

Column: y0

precision recall f1-score support

0 0.84 0.91 0.88 2501

1 0.15 0.09 0.11 464

accuracy 0.78 2965

macro avg 0.50 0.50 0.49 2965

weighted avg 0.74 0.78 0.76 2965

Column: y1

precision recall f1-score support

0 0.84 0.90 0.87 2485

1 0.17 0.11 0.13 480

accuracy 0.77 2965

macro avg 0.51 0.50 0.50 2965

weighted avg 0.73 0.77 0.75 2965

Column: y2

precision recall f1-score support

0 0.87 0.93 0.90 2579

1 0.12 0.06 0.08 386

accuracy 0.82 2965

macro avg 0.49 0.50 0.49 2965

weighted avg 0.77 0.82 0.79 2965

Column: y3

precision recall f1-score support

0 0.79 0.88 0.83 2343

1 0.22 0.13 0.16 622

accuracy 0.72 2965

macro avg 0.51 0.50 0.50 2965

weighted avg 0.67 0.72 0.69 2965

Column: y4

precision recall f1-score support

0 0.92 0.96 0.94 2727

1 0.15 0.08 0.11 238

accuracy 0.89 2965

macro avg 0.54 0.52 0.52 2965

weighted avg 0.86 0.89 0.87 2965

Column: y5

precision recall f1-score support

0 0.76 0.92 0.83 2263

1 0.20 0.07 0.10 702

accuracy 0.72 2965

macro avg 0.48 0.49 0.47 2965

weighted avg 0.63 0.72 0.66 2965

Column: y6

precision recall f1-score support

0 0.74 0.91 0.82 2202

1 0.27 0.10 0.15 763

accuracy 0.70 2965

macro avg 0.51 0.50 0.48 2965

weighted avg 0.62 0.70 0.65 2965

Column: y7

precision recall f1-score support

0 0.87 0.98 0.92 2584

1 0.18 0.03 0.05 381

accuracy 0.86 2965

macro avg 0.53 0.50 0.48 2965

weighted avg 0.78 0.86 0.81 2965

Column: y8

precision recall f1-score support

0 0.88 0.98 0.93 2600

1 0.18 0.02 0.04 365

accuracy 0.87 2965

macro avg 0.53 0.50 0.49 2965

weighted avg 0.79 0.87 0.82 2965

Column: y9

precision recall f1-score support

0 0.80 0.95 0.87 2379

1 0.24 0.06 0.10 586

accuracy 0.78 2965

macro avg 0.52 0.51 0.48 2965

weighted avg 0.69 0.78 0.72 2965

Column: y5

precision recall f1-score support

0 0.76 0.81 0.79 2273

1 0.21 0.16 0.19 692

accuracy 0.66 2965

macro avg 0.49 0.49 0.49 2965

weighted avg 0.63 0.66 0.65 2965

Column: y6

precision recall f1-score support

0 0.74 0.82 0.78 2217

1 0.22 0.15 0.18 748

accuracy 0.65 2965

macro avg 0.48 0.49 0.48 2965

weighted avg 0.61 0.65 0.63 2965

Column: y7

precision recall f1-score support

0 0.88 0.93 0.90 2606

1 0.14 0.09 0.11 359

accuracy 0.83 2965

macro avg 0.51 0.51 0.51 2965

weighted avg 0.79 0.83 0.81 2965

Column: y8

precision recall f1-score support

0 0.89 0.93 0.91 2635

1 0.14 0.09 0.11 330

accuracy 0.84 2965

macro avg 0.52 0.51 0.51 2965

weighted avg 0.81 0.84 0.82 2965

Column: y9

precision recall f1-score support

0 0.80 0.87 0.83 2378

1 0.20 0.13 0.16 587

accuracy 0.72 2965

macro avg 0.50 0.50 0.50 2965

weighted avg 0.68 0.72 0.70 2965