pureml-evaluate report

Complete Data

Performance

Accuracy: 0.7971428571428572

Precision: 0.5270081164287713

Recall: 0.8105897546276367

F1: 0.6387381275440978

Confusion matrix: [[0.7933227344992051, 0.2066772655007949], [0.1894102453723633, 0.8105897546276367]]

Fairness

Balanced accuracy: 0.801956244563421

Balanced acc error: 0.00909578148026159

Selection rate: 0.3402857142857143

False positive rate: 0.2066772655007949

False positive error: 0.0087766822602419

False negative rate: 0.1894102453723633

False negative error: 0.015934328082772554

True positive rate: 0.8105897546276367

True negative rate: 0.7933227344992051

Demographic parity difference: 0.058073351745144164

Demographic parity ratio: 0.8401720362840163

Equalized odds difference: 0.12304095990295033

Equalized odds ratio: 0.5170472645574502

Subsets

Subset: Female

Performance

Accuracy: 0.7492890995260664

Precision: 0.4482608695652174

Recall: 0.7642698295033358

F1: 0.5650863250205536

Confusion matrix: [[0.7452318811483638, 0.2547681188516362], [0.2357301704966642, 0.7642698295033358]]

Fairness

Balanced accuracy: 0.7547508553258497

Balanced acc error: 0.01284020550193306

Selection rate: 0.36334913112164297

False positive rate: 0.2547681188516362

False positive error: 0.01210085490514792

False negative rate: 0.2357301704966642

False negative error: 0.022650669303401295

True positive rate: 0.7642698295033358

True negative rate: 0.7452318811483638

Demographic parity difference: 0.0

Demographic parity ratio: 1.0

Equalized odds difference: 0.0

Equalized odds ratio: 1.0

Subset: Male

Performance

Accuracy: 0.8697841726618705

Precision: 0.6692851531814611

Recall: 0.8747433264887063

F1: 0.7583444592790386

Confusion matrix: [[0.8682728410513142, 0.13172715894868586], [0.12525667351129363, 0.8747433264887063]]

Fairness

Balanced accuracy: 0.8715080837700102

Balanced acc error: 0.011933454584385012

Selection rate: 0.3052757793764988

False positive rate: 0.13172715894868586

False positive error: 0.011725151341348909

False negative rate: 0.12525667351129363

False negative error: 0.020788222129195715

True positive rate: 0.8747433264887063

True negative rate: 0.8682728410513142

Demographic parity difference: 0.0

Demographic parity ratio: 1.0

Equalized odds difference: 0.0

Equalized odds ratio: 1.0