

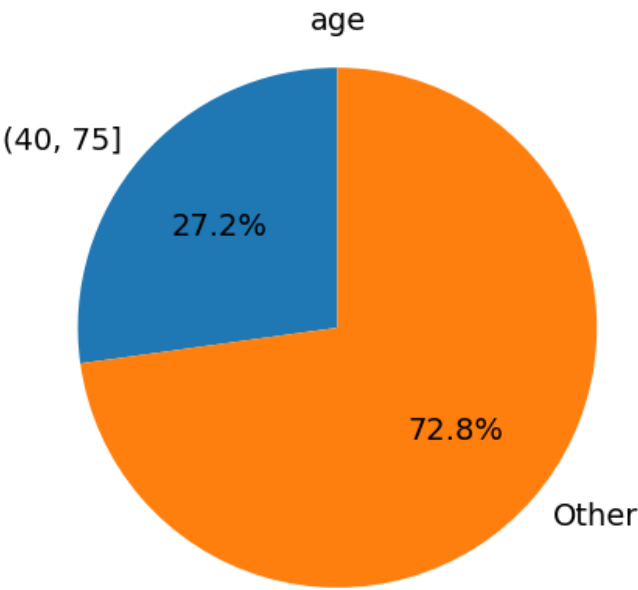
# Analysis Report

We report the following SageMaker analysis.

## Pre-training Bias Metrics

We computed the bias metrics for the label `credit_risk` using label value(s)/threshold `1` for the below facets.

- age**  
The groups are represented in the dataset with the following proportions.



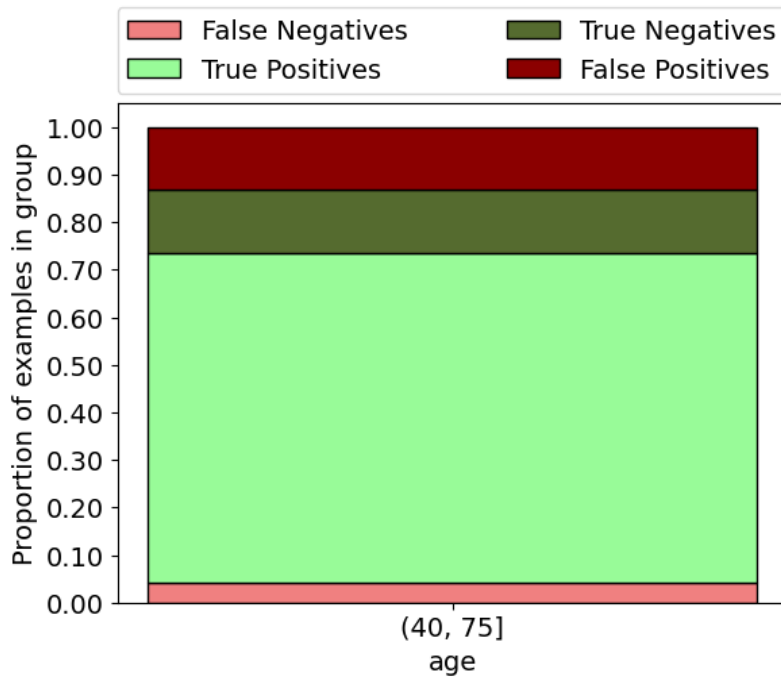
Value(s)/Threshold: (40, 75]

name		description	value
CDDL	Conditional Demographic Disparity in Labels (CDDL)		-0.035365
CI	Class Imbalance (CI)		0.456
DPL	Difference in Positive Proportions in Labels (DPL)		-0.048481
JS	Jensen-Shannon Divergence (JS)		0.001431
KL	Kullback-Liebler Divergence (KL)		0.005826
KS	Kolmogorov-Smirnov Distance (KS)		0.048481
LP	L-p Norm (LP)		0.068562
TVD	Total Variation Distance (TVD)		0.048481

## Post-training Bias Metrics

We computed the bias metrics for the label `credit_risk` using label value(s)/threshold `1` for the below facets.

- age**  
The labels and predictions of the group have the following proportions.



Positive labels = TP + FN --- Used in the following metrics: DPL, JS, KL, KS, LP, TVD

Negative labels = TN + FP

Positive predictions = TP + FP --- Used in the following metrics: DI

Negative predictions = TN + FN

Accuracy = TP + TN --- Used in the following metrics: AD

Recall = TP / (TP + FN) --- Used in the following metrics: RD

Precision = TP / (TP + FP) --- Used in the following metrics: DAR

Value(s)/Threshold: (40, 75]

name	description	value
AD	Accuracy Difference (AD)	0.001091
CDDPL	Conditional Demographic Disparity in Predicted ...	-0.020122
DAR	Difference in Acceptance Rates (DAR)	-0.015043
DCA	Difference in Conditional Acceptance (DCA)	-0.022338
DCR	Difference in Conditional Rejection (DCR)	0.021981
DI	Disparate Impact (DI)	1.043684
DPPL	Difference in Positive Proportions in Predicted...	-0.034623
DRR	Difference in Rejection Rates (DRR)	-0.075102
FT	Flip Test (FT)	-0.106618
RD	Recall Difference (RD)	0.007
TE	Treatment Equality (TE)	0.067932

## Analysis Configuration Parameters

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{
  "dataset_type": "text/csv",
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    "status",
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    "other_debtors",
  ]
}
```

```

    "present_residence",
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    "post_training_bias": {
      "methods": "all"
    },
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      "title": "Analysis Report"
    }
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}

```