

fairml (version 0.3)

compas: Criminal Offenders Screened in Florida

Description

A collection of criminal offenders screened in Florida (US) during 2013-14.

Usage

```
data(compas)
```

Arguments

Format

The data contains 5855 observations and the following variables:

- ``age``, a continuous variable containing the age (in years) of the person;
- ``juv_fel_count``, a continuous variable containing the number of juvenile felonies;
- ``decile_score``, a continuous variable, the decile of the COMPAS score;
- ``juv_misd_count``, a continuous variable containing the number of juvenile misdemeanors;
- ``juv_other_count``, a continuous variable containing the number of prior juvenile convictions that are not considered either felonies or misdemeanors;
- ``v_decile_score``, a continuous variable containing the predicted decile of the COMPAS score;
- ``priors_count``, a continuous variable containing the number of prior crimes committed;
- ``sex``, a factor with levels ``"Female"`` and ``"Male"``;
- ``two_year_recid``, a factor with two levels ``"Yes"`` and ``"No"`` (if the person has recidivated within two years);
- ``race``, a factor encoding the race of the person;
- ``c_jail_in``, a numeric variable containing the date in which the person entered jail (normalized between 0 and 1);
- ``c_jail_out``, a numeric variable containing the date in which the person was released from jail (normalized between 0 and 1);

``c_offense_date``, a numeric variable containing the date the offense was committed;

``screening_date``, a numeric variable containing the date in which the person was screened (normalized between 0 and 1);

``in_custody``, a numeric variable containing the date in which the person was placed in custody (normalized between 0 and 1);

``out_custody``, a numeric variable containing the date in which the person was released from custody (normalized between 0 and 1);

References

Angwin J, Larson J, Mattu S, Kirchner L (2016). "Machine Bias: Theres Software Used Around the Country to Predict Future Criminals." <https://www.propublica.org>.

Examples

```
# NOT RUN {  
data(compas)  
  
# convert the response back to a numeric variable.  
compas$two_year_recid = as.numeric(compas$two_year_recid) - 1  
  
m = nclm(response = compas[, "two_year_recid"],  
         sensitive = compas[, c("sex", "race")],  
         predictors = compas[, setdiff(names(compas), c("two_year_recid", "sex", "race"))],  
         epsilon = 0.05)  
  
summary(m)  
# }
```

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