Cure models with pseudo-observation approaches in R

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Abstract

The abstract serves both as a general introduction to the topic and as a brief, non-technical summary of the main results and their implications. Authors are advised to check the author instructions for the journal they are submitting to for word limits and if structural elements like subheadings, citations, or equations are permitted.

Keywords: bounded cumulative hazard, generalized estimating equation, mixture cure model, penalized regression

1 Introduction

Package **pseudoCure** function `pCure`

```
> library(pseudoCure)
> args(pCure)
## function (formula1, formula2, time, status, data, subset, t0,
##     model = c("mixture", "promotion"), nfolds = 5, lambda1 = NULL,
##     exclude1 = NULL, penalty1 = c("scad", "lasso"), lambda2 = NULL,
##     exclude2 = NULL, penalty2 = c("scad", "lasso"), control = list())
## NULL
```