Simulated examples for the survival ensemble methods

Select data type

W500

Time point for event prediction:

5

Random seed for calibration and validation

42

K_Outer loop CV (for validation)

3

K_ inner CV folds (model tuning)

3

Simulated data: random seed (generation):

4242

Sample size:

150

Observation time

5

Expected event prevalence by study end

0.5

Expected drop out rate

0.3

Custom data: path to data file

~/Desktop/Study_KCL/PhD P

Predictors to use in the model

"baseline_age_", "genderdun

Time variable name

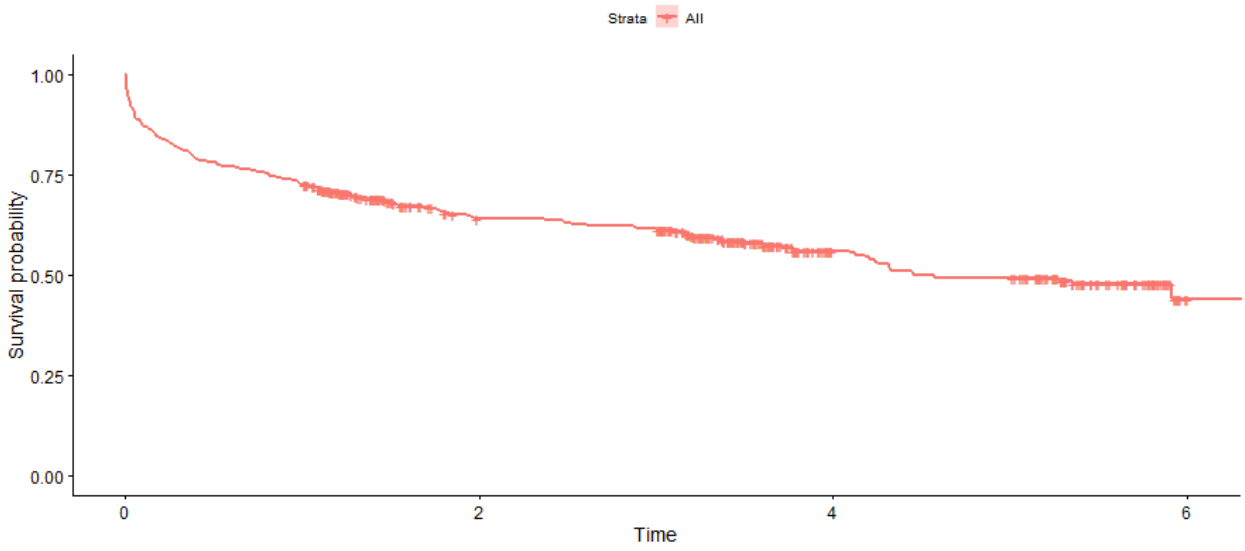
time

Event indicator variable name

event

Sample statistics | CoxPH | SRF | Ens1: CoxPH->SRF | Ens2: CoxPH in clusters | Ens3: extended CoxPH | Summary | Conclusions

Non-parametric survival curve:



Main statistics:

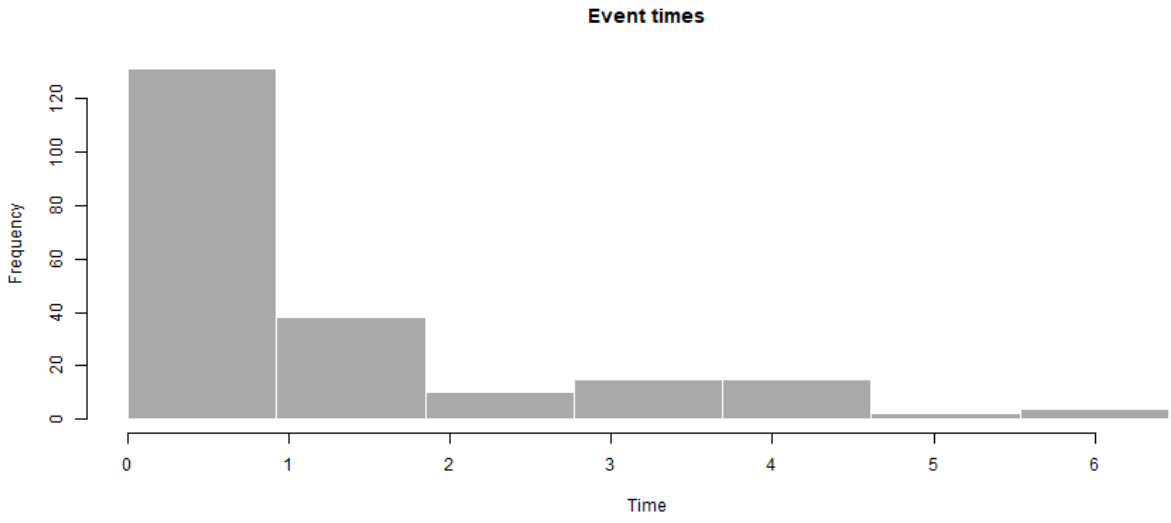
	value
data_set_name	W500
sample_size_N	500
time_fixed	5
time_max	6.46
time_mean	2.42
time_mean_event	1.16
time_mean_censored	3.36
time_mean_T	2.32
time_mean_event_T	1.02
time_mean_censored_T	3.42
event_%	43
event_before_T_%	41.8
censored_before_T_%	40.6

Data description:

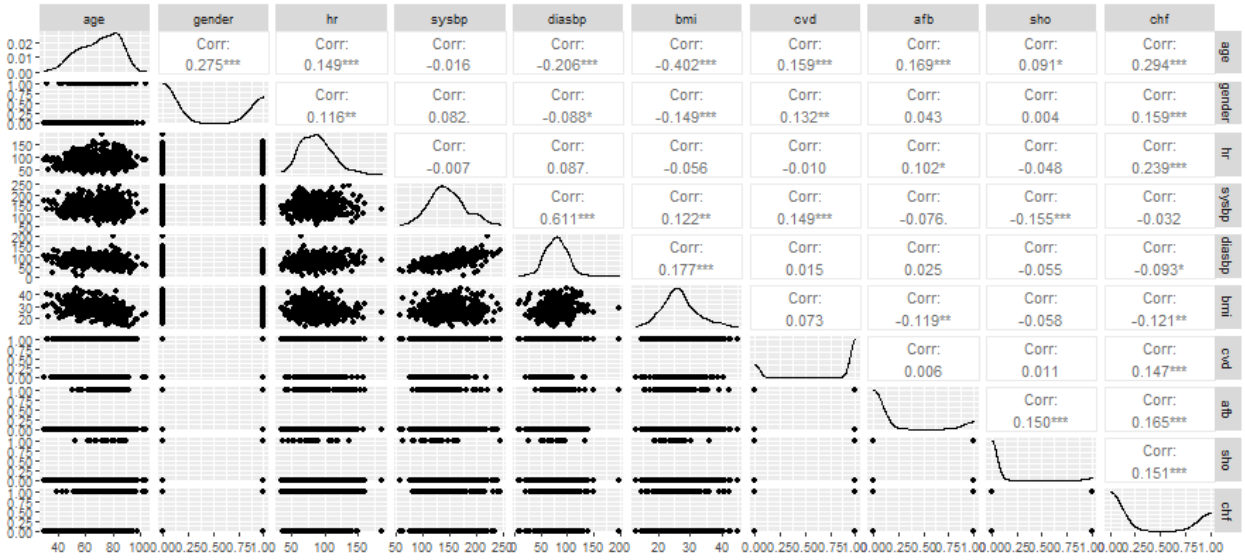
Show 10 entries Search:

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
age	1	500	69.846	14.4915	72	70.535	16.3086	30	104	74	-0.3783	-0.6366	0.6481
gender	2	500	0.4	0.4904	0	0.375	0	0	1	1	0.407	-1.838	0.0219
hr	3	500	87.018	23.5862	85	85.7275	23.7216	35	186	151	0.5634	0.4413	1.0548
sysbp	4	500	144.704	32.2949	141.5	143.44	30.3933	57	244	187	0.3355	-0.0432	1.4443
diasbp	5	500	78.266	21.5453	79	78.07	20.7564	6	198	192	0.306	1.9591	0.9635
bmi	6	500	26.6138	5.4057	25.9459	26.3211	4.5793	13.0455	44.8389	31.7934	0.5274	0.3782	0.2417
cvd	7	500	0.75	0.4334	1	0.8125	0	0	1	1	-1.1512	-0.676	0.0194
afb	8	500	0.156	0.3632	0	0.07	0	0	1	1	1.8904	1.5767	0.0162
sho	9	500	0.044	0.2053	0	0	0	0	1	1	4.4334	17.6903	0.0092
chf	10	500	0.31	0.463	0	0.2625	0	0	1	1	0.8192	-1.3316	0.0207

Showing 1 to 10 of 10 entries Previous 1 Next



Histograms for the first 10 predictors:


age
gender
hr
sysbp
diasbp
bmi
cvd
afb
sho
chf
Corr: 0.275***
Corr: 0.149*** Corr: 0.116**
Corr: -0.016 Corr: 0.082. Corr: -0.007
Corr: -0.206*** Corr: -0.088* Corr: 0.087. Corr: 0.611***
Corr: -0.402*** Corr: -0.149*** Corr: -0.056 Corr: 0.122** Corr: 0.177***
Corr: 0.159*** Corr: 0.132** Corr: -0.010 Corr: 0.149*** Corr: 0.015 Corr: 0.073
Corr: 0.169*** Corr: 0.043 Corr: 0.102* Corr: -0.076. Corr: 0.025 Corr: -0.119** Corr: 0.006
Corr: 0.091* Corr: 0.004 Corr: -0.048 Corr: -0.155*** Corr: -0.055 Corr: -0.058 Corr: 0.011 Corr: 0.150***
Corr: 0.294*** Corr: 0.159*** Corr: 0.239*** Corr: -0.032 Corr: -0.093* Corr: -0.121** Corr: 0.147*** Corr: 0.165*** Corr: 0.151***