

Simulated examples for the survival ensemble methods

Select data type

ELSA_Diabetes_Study2

Time point for event prediction:

10

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"

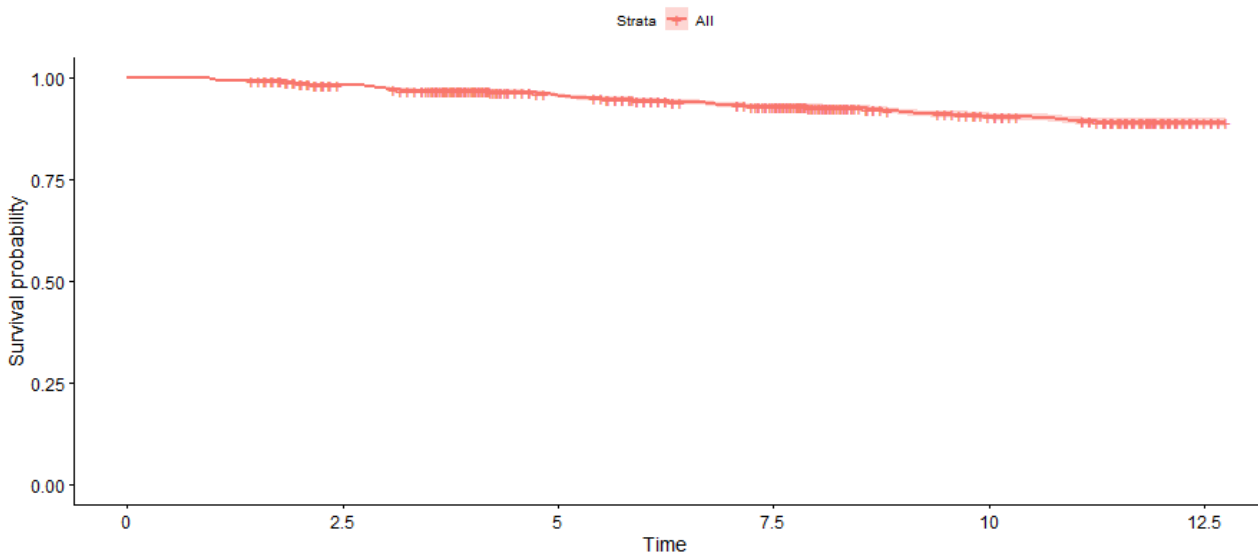
Time variable name

time

Event indicator variable name

event

Non-parametric survival curve:



Main statistics:

	value
data_set_name	ELSA_Diabetes_Study2
sample_size_N	5968
time_fixed	10
time_max	12.75
time_mean	8.63
time_mean_event	5.3
time_mean_censored	8.93
time_mean_T	7.82
time_mean_event_T	4.8
time_mean_censored_T	8.94
event_%	8.26
event_before_T_%	7.57
censored_before_T_%	4.21

Data description:

Show

10

 entries

Search:

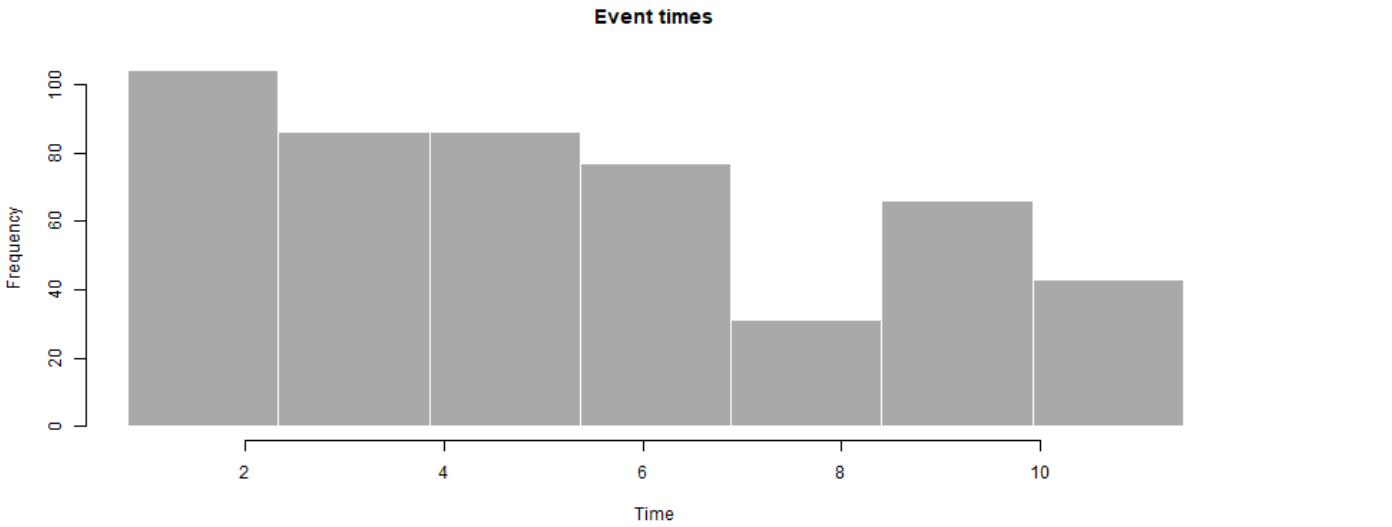
	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
sz20_	1	5968	0.0007	1.0005	0.2025	0.0942	0.8391	-4.6355	2.2264	6.862	-0.9468	0.9197	0.013
pc1_	2	5968	-0.0038	1.0058	-0.165	-0.0569	1.0256	-2.3717	3.7356	6.1073	0.5148	-0.1176	0.013
pc2_	3	5968	-0.0091	0.9965	0.0209	-0.0425	1.0629	-2.3142	2.8401	5.1543	0.2023	-0.6513	0.0129
pc3_	4	5968	0.0105	0.9985	0.1255	0.0772	0.8076	-4.6702	4.3813	9.0515	-0.7137	1.8644	0.0129
pc4_	5	5968	0.0017	1.0003	-0.0689	-0.0659	0.7661	-3.2315	4.6694	7.901	0.7001	1.3063	0.0129
age_	6	5968	-0.0086	0.9217	-0.1792	-0.0886	0.9884	-1.5	3.5854	5.0854	0.655	-0.3395	0.0119
sex	7	5968	0.5518	0.4974	1	0.5647	0	0	1	1	-0.2082	-1.957	0.0064
bmi_0_	8	5968	0.1303	0.9468	0.0003	0.0636	0.8307	-2.4258	5.8308	8.2565	0.9542	2.1931	0.0123
hyp_0	9	5968	0.3415	0.4742	0	0.3019	0	0	1	1	0.6684	-1.5535	0.0061
cvd_0	10	5968	0.1332	0.3398	0	0.0417	0	0	1	1	2.1583	2.6587	0.0044

Showing 1 to 10 of 10 entries

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Histograms for the first 10 predictors:

