

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

Internally cross-validated results:

Show10▼entries

Search:

	Cox ▴ ▾	SRF ▴ ▾	1A ▴ ▾	2A ▴ ▾	3 ▴ ▾
T	10	10	10	10	10
AUCROC	0.777831	0.765183	0.774444	0.709359	0.778022
BS	0.077522	0.078449	0.077544	0.086142	0.076912
BS_scaled	0.094604	0.084332	0.094228	-0.007422	0.101733
C_score	0.747283	0.737463	0.744246	0.682956	0.746811
Calib_slope	1.088671	1.325778	1.212767	0.371588	1.064776
Calib_alpha	0.046192	0.045642	0.040121	0.045488	0.046019

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Show10▼entries

Search:

	Cox_std ▴ ▾	SRF_std ▴ ▾	Ens1_std ▴ ▾	Ens2_std ▴ ▾	Ens3_std ▴ ▾
T	0	0	0	0	0
BS	0.008549	0.009226	0.008283	0.008285	0.008523
BS_scaled	0.022446	0.015111	0.011498	0.045469	0.024568
Calib_alpha	0.024021	0.022794	0.022424	0.027843	0.02488
AUCROC	0.020921	0.025999	0.018801	0.011503	0.021261
C_score	0.029199	0.030817	0.023983	0.014421	0.027025
Calib_slope	0.141534	0.231736	0.024157	0.032954	0.139532

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Search:

	Cox ▴ ▾	SRF_diff ▴ ▾	1_diff ▴ ▾	2_diff ▴ ▾	3_diff ▴ ▾
T	10	0	0	0	0
AUCROC	0.777831	-0.012648	-0.003387	-0.068472	0.000191

	Cox 	SRF_diff 	1_diff 	2_diff 	3_diff 
BS	0.077522	0.000927	0.000022	0.00862	-0.00061
BS_scaled	0.094604	-0.010272	-0.000376	-0.102026	0.007128
C_score	0.747283	-0.00982	-0.003037	-0.064327	-0.000471
Calib_slope	1.088671	0.237107	0.124096	-0.717083	-0.023895
Calib_alpha	0.046192	-0.000551	-0.006071	-0.000704	-0.000173

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