

Distribution of 'age' grouped by 'class'



Settings

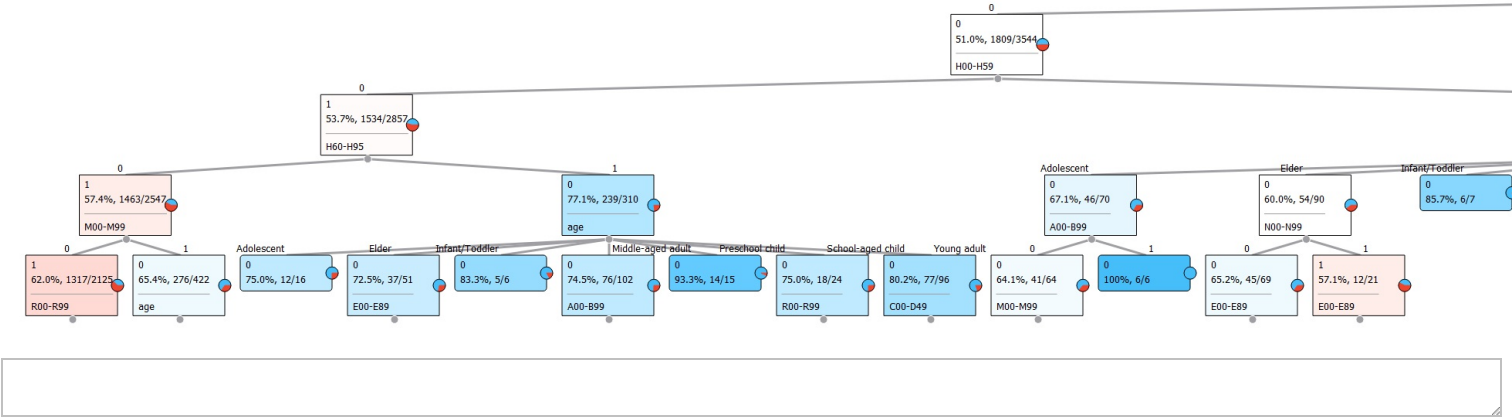
Sampling type: No sampling, test on testing data  
Target class: Average over classes

Scores

Method	AUC	CA	F1	Precision	Recall
Random Forest	0.697	0.773	0.739	0.765	0.773
Naive Bayes	0.689	0.759	0.739	0.742	0.759
Tree	0.687	0.763	0.733	0.748	0.763
CN2 rule inducer	0.691	0.748	0.727	0.727	0.748



Tree size: 1564 nodes, 808 leaves  
Edge widths: Fixed  
Target class: None



**Data domain**

Features: A00-B99, C00-D49, D50-D89, E00-E89, F01-F99, G00-G99, H00-H59, H60-H95, I00-I99, J00-J99, L00-L99, M00-M99, N00-N99, O00-O9A, P00-P96, Q00-Q99, R00-R99, S00-T88, V00-Y99, Z00-Z99, age (total: 21 features)  
Target: class

**Rule induction algorithm**

Rule ordering: ordered  
Covering algorithm: exclusive  
Gamma: 0.7  
Evaluation measure: entropy  
Beam width: 5  
Minimum rule coverage: 2  
Maximum rule length: 5  
Default alpha: 1.0  
Parent alpha: 1.0

**Induced rules**

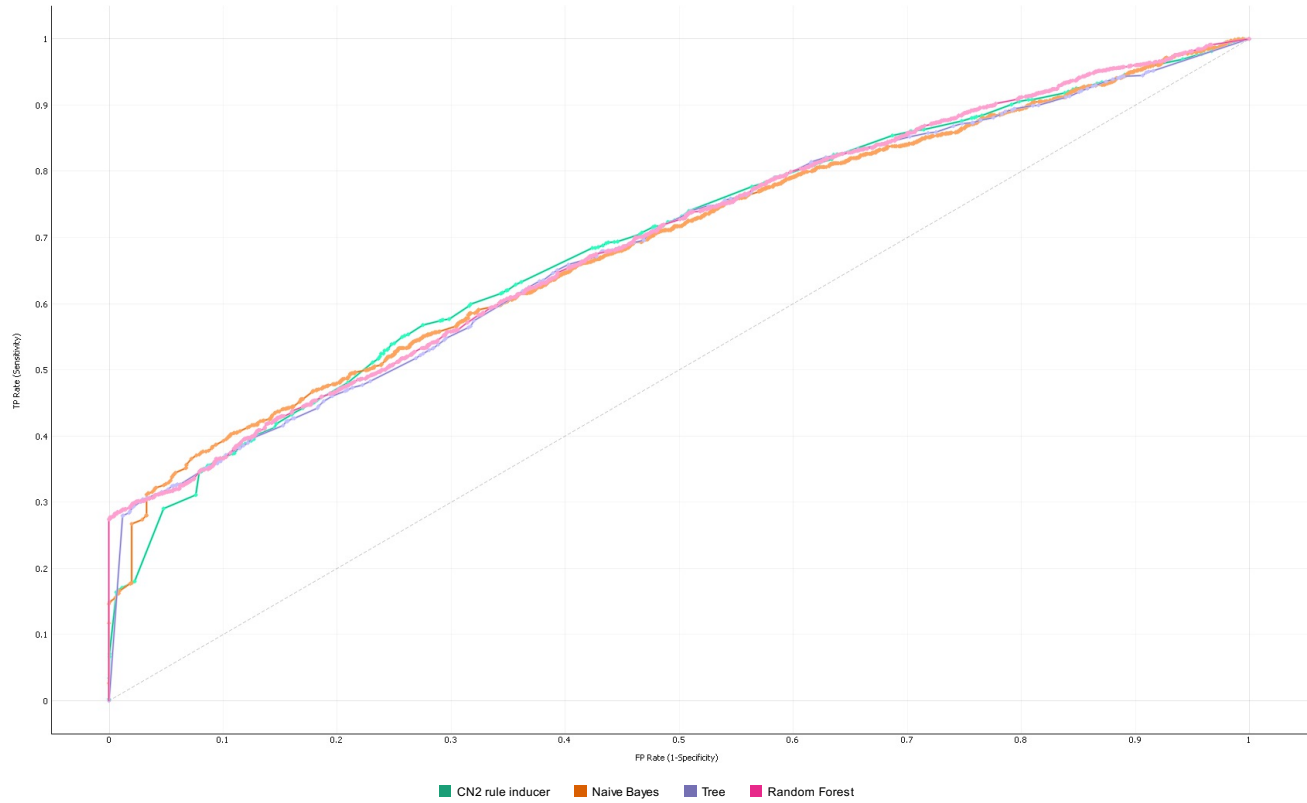
IF conditions	THEN class	Distribution	Probabilities [%]	Quality	Length
48O00-O9A#0 AND R00-R99#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
53S00-T88#0 AND age=Infant/Toddler AND J00-J99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
88age=Preschool child AND M00-M99#0 AND Q00-Q99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
131age=Preschool child AND I00-I99#0	→ class=1	[0, 3]	20 : 80	-0.00	2
137age=Preschool child AND D50-D89#0	→ class=1	[0, 2]	25 : 75	-0.00	2
140S00-T88#0 AND age=Adolescent AND L00-L99#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
160G00-G99#0 AND age=Infant/Toddler	→ class=1	[0, 2]	25 : 75	-0.00	2
189S00-T88#0 AND J00-J99#0 AND age=Preschool child	→ class=1	[0, 2]	25 : 75	-0.00	3
206S00-T88#0 AND age=Middle-aged adult AND C00-D49#0 AND V00-Y99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
224L00-L99#0 AND age=Adolescent AND Q00-Q99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
226L00-L99#0 AND age=Young adult AND M00-M99#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
244S00-T88#0 AND age=Adolescent AND C00-D49#0	→ class=1	[0, 2]	25 : 75	-0.00	3
253H00-H59#0 AND age=Infant/Toddler AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
274S00-T88#0 AND R00-R99#0 AND age=Preschool child	→ class=1	[0, 2]	25 : 75	-0.00	3
290C00-D49#0 AND age=Young adult AND M00-M99#0 AND I00-I99#0	→ class=1	[0, 3]	20 : 80	-0.00	4
294Z00-Z99#0 AND age=School-aged child AND D50-D89#0	→ class=1	[0, 2]	25 : 75	-0.00	3
307H00-H59#0 AND D50-D89#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
310H00-H59#0 AND D50-D89#0 AND A00-B99#0	→ class=1	[0, 4]	17 : 83	-0.00	3
316Z00-Z99#0 AND age=Young adult AND C00-D49#0 AND E00-E89#0	→ class=1	[0, 2]	25 : 75	-0.00	4
322Z00-Z99#0 AND age=Young adult AND C00-D49#0	→ class=1	[0, 3]	20 : 80	-0.00	3
333H00-H59#0 AND O00-O9A#0 AND I00-I99#0	→ class=1	[0, 3]	20 : 80	-0.00	3
339S00-T88#0 AND L00-L99#0 AND M00-M99#0 AND age=Young adult AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	5
340S00-T88#0 AND L00-L99#0 AND M00-M99#0 AND G00-G99#0 AND A00-B99#0	→ class=1	[0, 3]	20 : 80	-0.00	5
356Z00-Z99#0 AND H60-H95#0 AND F01-F99#0 AND age=School-aged child	→ class=1	[0, 2]	25 : 75	-0.00	4
366S00-T88#0 AND age=Middle-aged adult AND R00-R99#0 AND H00-H59#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	5
370H00-H59#0 AND age=Middle-aged adult AND Q00-Q99#0	→ class=1	[0, 3]	20 : 80	-0.00	3
386J00-J99#0 AND age=Young adult AND D50-D89#0	→ class=1	[0, 2]	25 : 75	-0.00	3
389Z00-Z99#0 AND age=Young adult AND Q00-Q99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
392Z00-Z99#0 AND age=Young adult AND H60-H95#0 AND L00-L99#0 AND M00-M99#0	→ class=1	[0, 2]	25 : 75	-0.00	5
394S00-T88#0 AND O00-O9A#0	→ class=1	[0, 2]	25 : 75	-0.00	2
396Z00-Z99#0 AND age=Young adult AND M00-M99#0 AND J00-J99#0 AND G00-G99#0	→ class=1	[0, 4]	17 : 83	-0.00	5
410S00-T88#0 AND R00-R99#0 AND age=Middle-aged adult AND M00-M99#0 AND E00-E89#0	→ class=1	[0, 2]	25 : 75	-0.00	5
415H60-H95#0 AND R00-R99#0 AND O00-O9A#0	→ class=1	[0, 2]	25 : 75	-0.00	3
421H60-H95#0 AND age=Young adult AND E00-E89#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
438L00-L99#0 AND age=Young adult AND F01-F99#0	→ class=1	[0, 4]	17 : 83	-0.00	3
442H60-H95#0 AND H00-H59#0 AND C00-D49#0 AND S00-T88#0	→ class=1	[0, 2]	25 : 75	-0.00	4

443	H60-H95#0 AND C00-D49#0 AND V00-Y99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
467	L00-L99#0 AND age=Young adult AND R00-R99=0 AND H00-H59#0 AND I00-I99#0	→ class=1	[0, 2]	25 : 75	-0.00	5
472	F01-F99#0 AND age=Elder AND Q00-Q99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
480	J00-J99#0 AND age=Adolescent AND I00-I99#0	→ class=1	[0, 3]	20 : 80	-0.00	3
496	H60-H95#0 AND age=Young adult AND N00-N99=0 AND O00-O9A#0	→ class=1	[0, 2]	25 : 75	-0.00	4
506	S00-T88#0 AND Q00-Q99#0 AND A00-B99=0	→ class=1	[0, 5]	14 : 86	-0.00	3
509	H00-H59#0 AND age=Infant/Toddler	→ class=1	[0, 2]	25 : 75	-0.00	2
510	S00-T88#0 AND R00-R99=0 AND V00-Y99#0 AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	4
514	I00-I99#0 AND R00-R99=0 AND age=School-aged child AND H60-H95=0	→ class=1	[0, 3]	20 : 80	-0.00	4
516	I00-I99#0 AND R00-R99=0 AND F01-F99#0 AND M00-M99#0 AND Z00-Z99#0	→ class=1	[0, 2]	25 : 75	-0.00	5
521	Z00-Z99#0 AND age=School-aged child AND C00-D49#0	→ class=1	[0, 2]	25 : 75	-0.00	3
523	Z00-Z99#0 AND age=Adolescent AND E00-E89#0	→ class=1	[0, 2]	25 : 75	-0.00	3
530	Z00-Z99#0 AND V00-Y99#0 AND M00-M99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
533	Z00-Z99#0 AND age=Adolescent AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
540	C00-D49#0 AND age=Young adult AND J00-J99=0 AND M00-M99#0	→ class=1	[0, 3]	20 : 80	-0.00	4
543	S00-T88#0 AND R00-R99=0 AND age=Middle-aged adult AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
547	E00-E89#0 AND Q00-Q99#0 AND age#Middle-aged adult	→ class=1	[0, 2]	25 : 75	-0.00	3
552	H00-H59#0 AND N00-N99=0 AND age=Middle-aged adult AND L00-L99#0 AND H60-H95#0	→ class=1	[0, 3]	20 : 80	-0.00	5
560	M00-M99#0 AND Q00-Q99#0 AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	3
576	J00-J99#0 AND age=Adolescent AND R00-R99=0 AND M00-M99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
581	M00-M99#0 AND age=Young adult AND L00-L99=0 AND C00-D49#0	→ class=1	[0, 2]	25 : 75	-0.00	4
589	Z00-Z99#0 AND age=School-aged child AND H60-H95#0	→ class=1	[0, 2]	25 : 75	-0.00	3
593	I00-I99#0 AND age=Middle-aged adult AND C00-D49#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
597	Z00-Z99#0 AND age=Infant/Toddler AND D50-D89#0	→ class=1	[0, 2]	25 : 75	-0.00	3
603	J00-J99#0 AND age=Young adult AND R00-R99#0 AND L00-L99#0 AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	5
607	J00-J99#0 AND age=Young adult AND R00-R99#0 AND S00-T88#0	→ class=1	[0, 5]	14 : 86	-0.00	4
612	J00-J99#0 AND age=Young adult AND R00-R99#0 AND E00-E89#0 AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	5
614	H60-H95#0 AND D50-D89#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
615	H60-H95#0 AND D50-D89#0 AND I00-I99=0	→ class=1	[0, 2]	25 : 75	-0.00	3
616	H60-H95#0 AND age=Adolescent AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
622	H60-H95#0 AND age=Elder AND D50-D89#0 AND J00-J99=0	→ class=1	[0, 3]	20 : 80	-0.00	4
632	I00-I99#0 AND R00-R99=0 AND age=Middle-aged adult AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	4
634	H60-H95#0 AND D50-D89#0 AND N00-N99=0	→ class=1	[0, 2]	25 : 75	-0.00	3
635	I00-I99#0 AND R00-R99=0 AND age=Middle-aged adult AND D50-D89#0	→ class=1	[0, 5]	14 : 86	-0.00	4
637	I00-I99#0 AND R00-R99=0 AND age=Middle-aged adult AND A00-B99#0	→ class=1	[1, 3]	33 : 67	-0.811	4
643	H00-H59#0 AND Q00-Q99#0 AND L00-L99=0	→ class=1	[0, 2]	25 : 75	-0.00	3
647	S00-T88#0 AND age=Preschool child AND Z00-Z99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
653	H60-H95#0 AND age=Middle-aged adult AND Z00-Z99#0 AND H00-H59#0	→ class=1	[0, 3]	20 : 80	-0.00	4
654	H00-H59#0 AND age=Young adult AND F01-F99#0 AND A00-B99#0	→ class=1	[0, 3]	20 : 80	-0.00	4
656	H00-H59#0 AND age=Young adult AND I00-I99#0 AND S00-T88#0	→ class=1	[0, 2]	25 : 75	-0.00	4
660	H00-H59#0 AND age=Young adult AND R00-R99#0 AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
663	H60-H95#0 AND age=Middle-aged adult AND Z00-Z99#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
666	M00-M99#0 AND Q00-Q99#0 AND J00-J99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
675	I00-I99#0 AND N00-N99=0 AND D50-D89#0 AND C00-D49#0	→ class=1	[0, 3]	20 : 80	-0.00	4
676	C00-D49#0 AND age=Young adult AND J00-J99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
678	C00-D49#0 AND age=Middle-aged adult AND D50-D89#0 AND J00-J99=0	→ class=1	[0, 2]	25 : 75	-0.00	4
680	C00-D49#0 AND age=Middle-aged adult AND N00-N99#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
684	E00-E89#0 AND V00-Y99#0 AND I00-I99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
687	E00-E89#0 AND age=Young adult AND S00-T88#0 AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
693	M00-M99#0 AND V00-Y99#0 AND J00-J99=0	→ class=1	[0, 4]	17 : 83	-0.00	3
695	I00-I99#0 AND V00-Y99#0 AND G00-G99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
698	H00-H59#0 AND V00-Y99#0 AND J00-J99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
703	E00-E89#0 AND age=Young adult AND R00-R99#0 AND I00-I99=0	→ class=1	[0, 2]	25 : 75	-0.00	4
704	L00-L99#0 AND D50-D89#0	→ class=1	[0, 3]	20 : 80	-0.00	2
706	L00-L99#0 AND age=Young adult AND Z00-Z99#0 AND A00-B99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
708	L00-L99#0 AND A00-B99#0 AND F01-F99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
710	L00-L99#0 AND A00-B99#0 AND G00-G99#0 AND E00-E89#0	→ class=1	[0, 2]	25 : 75	-0.00	4
720	I00-I99#0 AND N00-N99=0 AND D50-D89#0	→ class=1	[1, 2]	40 : 60	-0.918	3
725	C00-D49#0 AND A00-B99#0 AND S00-T88#0	→ class=1	[0, 2]	25 : 75	-0.00	3
736	E00-E89#0 AND age=Young adult AND N00-N99#0 AND M00-M99#0	→ class=1	[0, 2]	25 : 75	-0.00	4
738	E00-E89#0 AND age=Young adult AND R00-R99#0 AND L00-L99=0	→ class=1	[0, 3]	20 : 80	-0.00	4
740	J00-J99#0 AND D50-D89#0 AND M00-M99#0	→ class=1	[0, 2]	25 : 75	-0.00	3
741	J00-J99#0 AND V00-Y99#0 AND R00-R99=0	→ class=1	[0, 2]	25 : 75	-0.00	3
742	J00-J99#0 AND age=Young adult AND H60-H95#0 AND H00-H59#0	→ class=1	[0, 2]	25 : 75	-0.00	4

+ 1185 more



Target class: 1



Calibration Plot

Target class: 1

