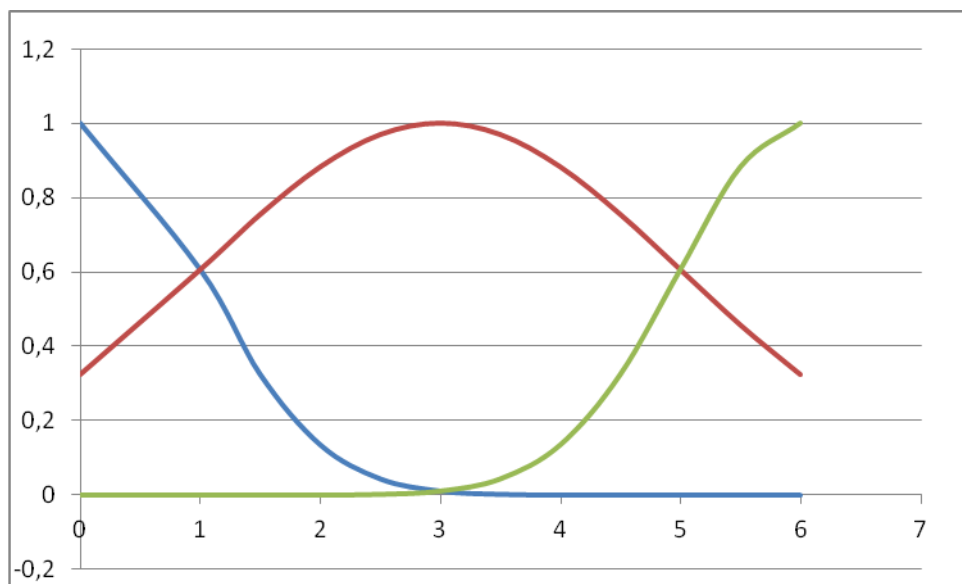


Inputs data:

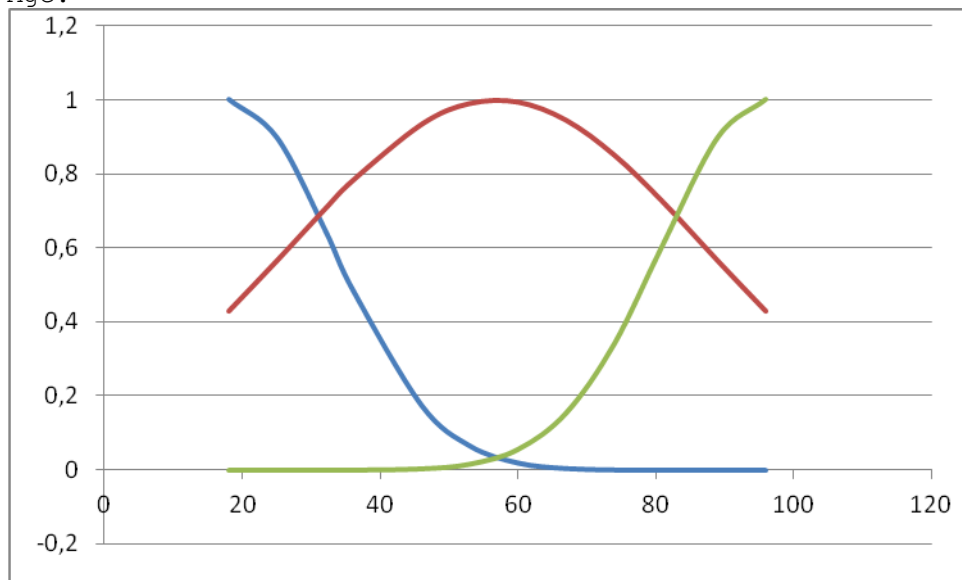
BI-RADS	Age	Shape	Margin	Density	BI-RADS	Age	Shape	Margin	Density
4	28	1	1	3	5	67	3	5	3
4	36	3	1	2	5	58	4	5	3
4	60	2	1	2	5	57	1	5	3
4	54	1	1	3	5	76	1	4	3
3	52	3	4	3	3	42	2	1	3
5	55	4	4	3	4	59	2	1	3
4	46	1	5	2	4	54	1	1	3
4	39	1	1	2	5	56	4	3	1
4	81	1	1	3	5	42	4	4	3
4	60	2	1	3	4	59	2	4	3
4	55	3	4	2	5	75	4	5	3
4	78	1	1	1	5	45	4	5	3
4	50	1	1	3	5	54	4	4	3
4	74	2	1	2	5	57	4	4	3
4	49	2	1	1	5	67	3	4	2
4	57	2	5	3	5	62	3	5	2
4	45	2	1	3	5	64	4	5	3
4	64	2	1	3	5	67	4	5	3
4	73	2	1	2	5	80	3	5	3
4	25	1	1	3	5	52	4	3	3
4	64	1	1	3	5	60	4	3	3
5	67	2	4	1	5	74	4	4	3
4	67	4	5	3	5	68	4	3	3
5	62	4	4	3	5	66	4	4	3
4	33	2	1	3	5	74	1	1	2

Gaussian membership function:

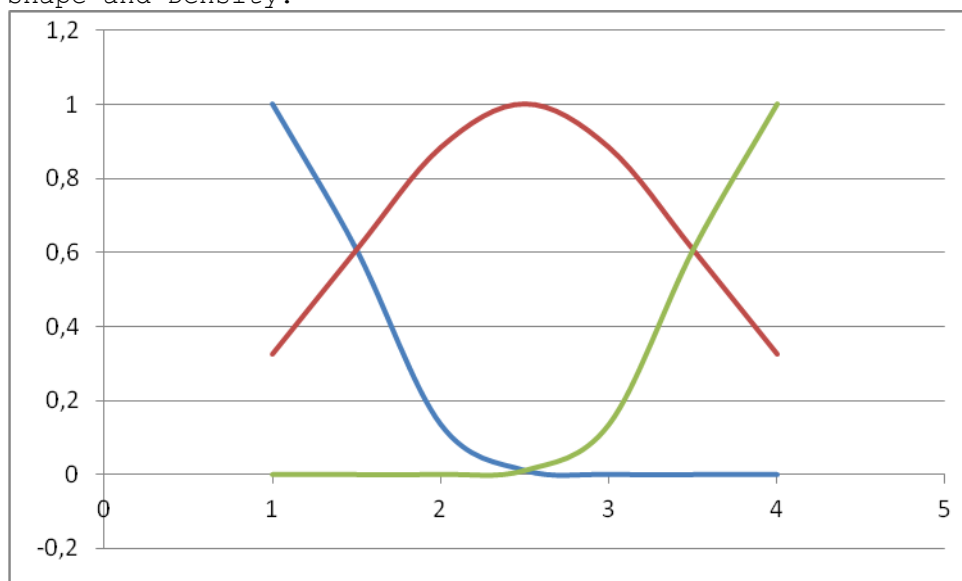
BI-RADS:



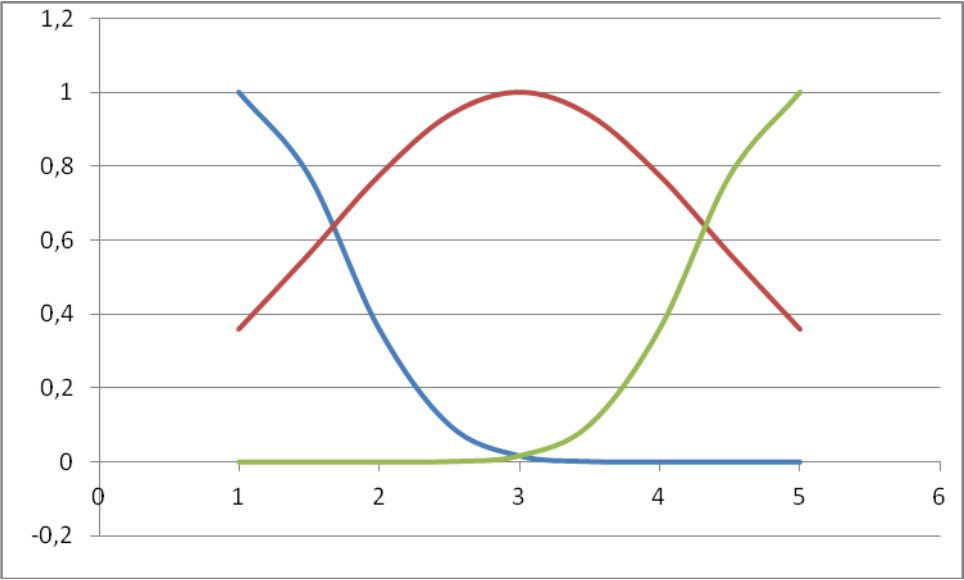
Age:



Shape and Density:



Margin:



Rules					
IF X1 =	AND X2 =	AND X3 =	AND X4=	AND X5=	THEN
m	l	s	m	l	0
l	s	l	s	s	0
m	l	m	l	s	1
l	m	l	m	m	1

Y	Class	Result1	Y	Class	Result2
1,00027687568643	class 0	Yes	1,99993800121398	class 1	Yes
1,79077311013566	class 1	No	1,99999999990314	class 1	Yes
1,93905561983124	class 1	No	1,00683277769183	class 0	No
1,00000076432706	class 0	Yes	1,00115196357167	class 0	No
1,99953047789291	class 1	No	1,09363529949048	class 0	No
1,99999999753399	class 1	No	1,04926594537947	class 0	No
1,99910733800305	class 1	No	1,00000076432706	class 0	No
1,00704430867969	class 0	Yes	1,99790261840258	class 1	Yes
1,0000000187919	class 0	Yes	1,99999998412175	class 1	Yes

1,04208769117706	class 0	Yes	1,05030714115562	class 0	No
1,99999888077643	class 1	No	1,9999999895048	class 1	Yes
1,93696661690365	class 1	No	1,9999999997383	class 1	Yes
1,00000163370546	class 0	Yes	1,9999999971109	class 1	Yes
1,71379015826983	class 1	No	1,999999998205	class 1	Yes
1,48865317166866	class 0	Yes	1,99999974280556	class 1	Yes
1,07379941417641	class 0	Yes	1,99999992632672	class 1	Yes
1,42551654319064	class 0	Yes	1,99999999975262	class 1	Yes
1,02293997931548	class 0	Yes	1,99999999961861	class 1	Yes
1,73724681044788	class 1	No	1,99971134855737	class 1	Yes
1,00063157199868	class 0	Yes	1,99999950145343	class 1	Yes
1,00000014481568	class 0	Yes	1,99999987191907	class 1	Yes
1,99999994578536	class 1	No	1,9999999990089	class 1	Yes
1,99999999751541	class 1	No	1,9999999730319	class 1	Yes
1,99999999912687	class 1	No	1,9999999993544	class 1	Yes
1,92339012883715	class 1	No	1,99993800121398	class 1	Yes