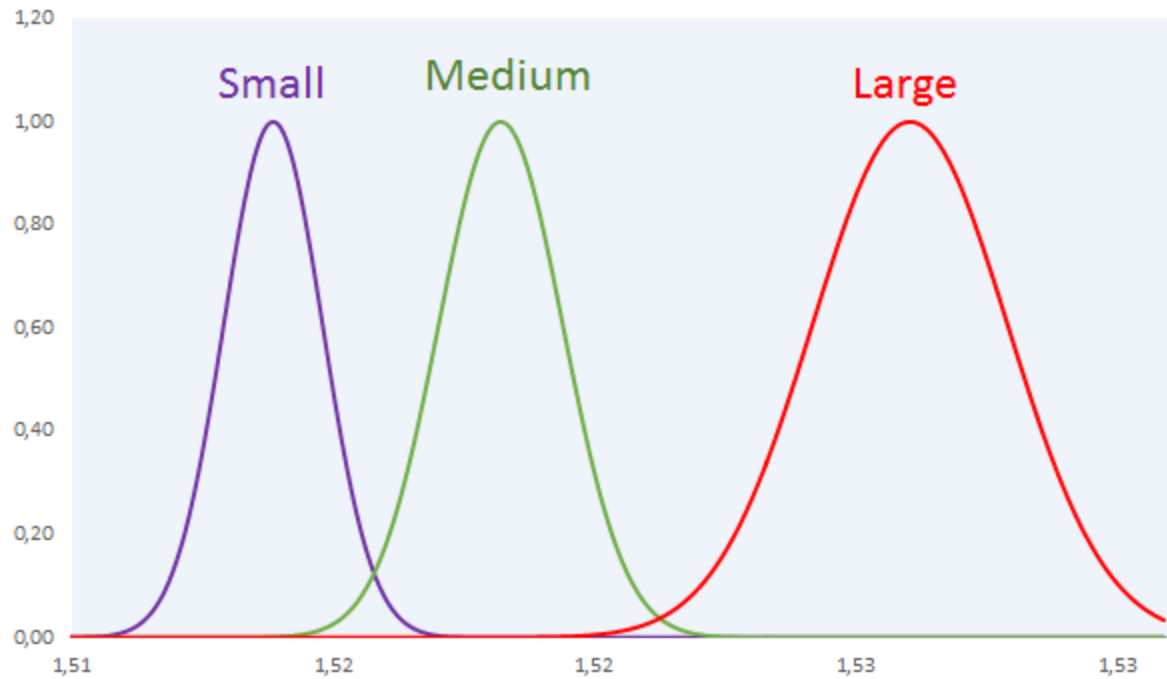


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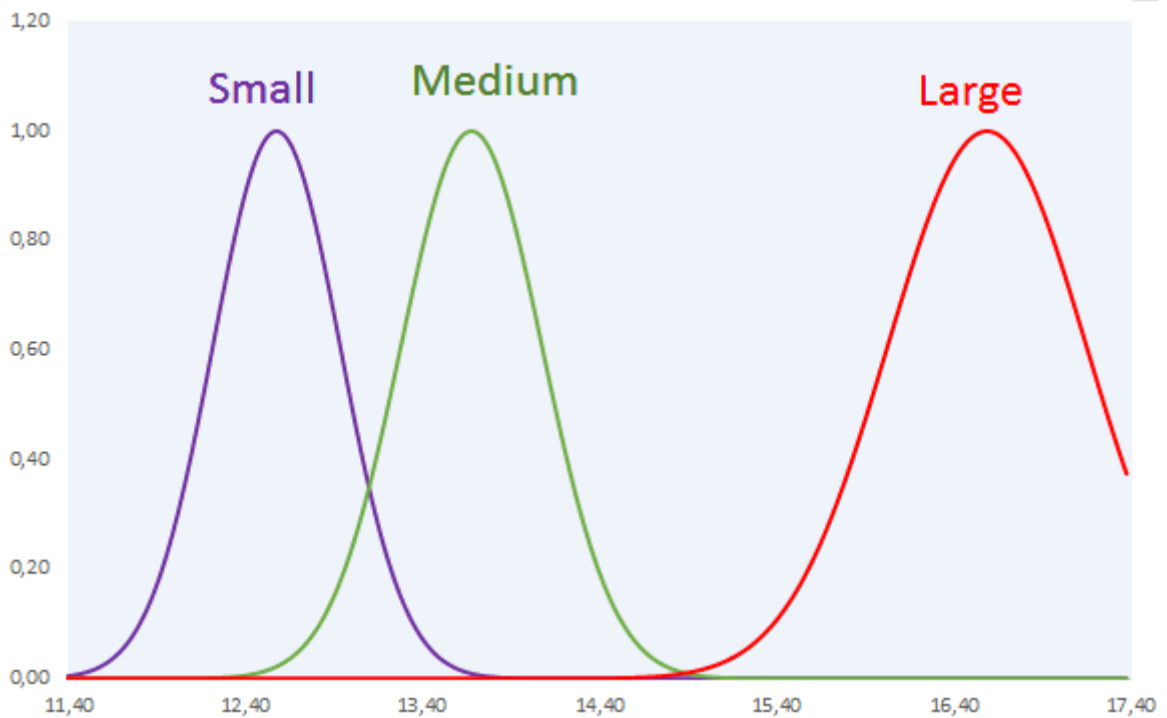
Lab 8 (October 17, 2016)

Zayats Igor, AS-36

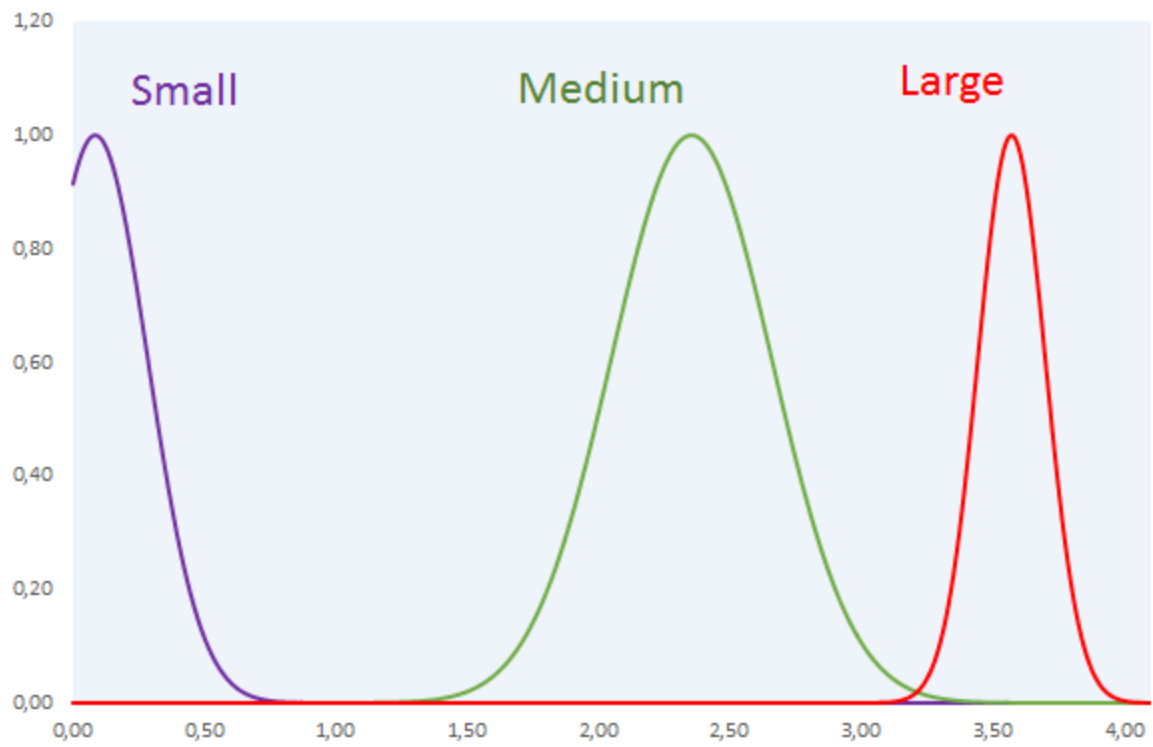
Membership function for attribute x1:



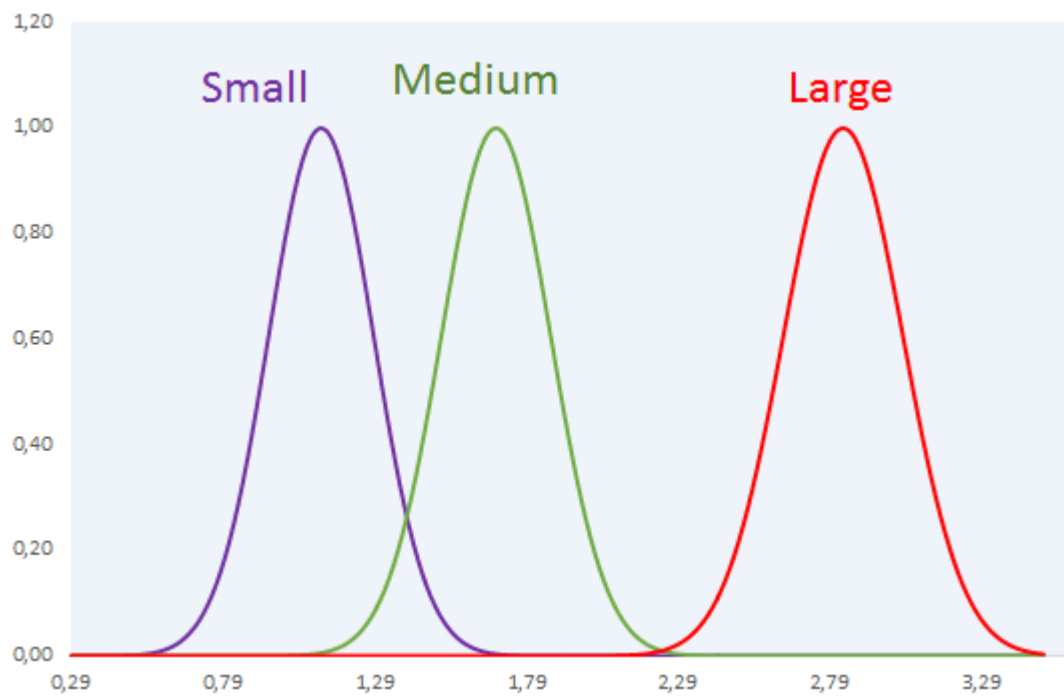
Membership function for attribute x2:



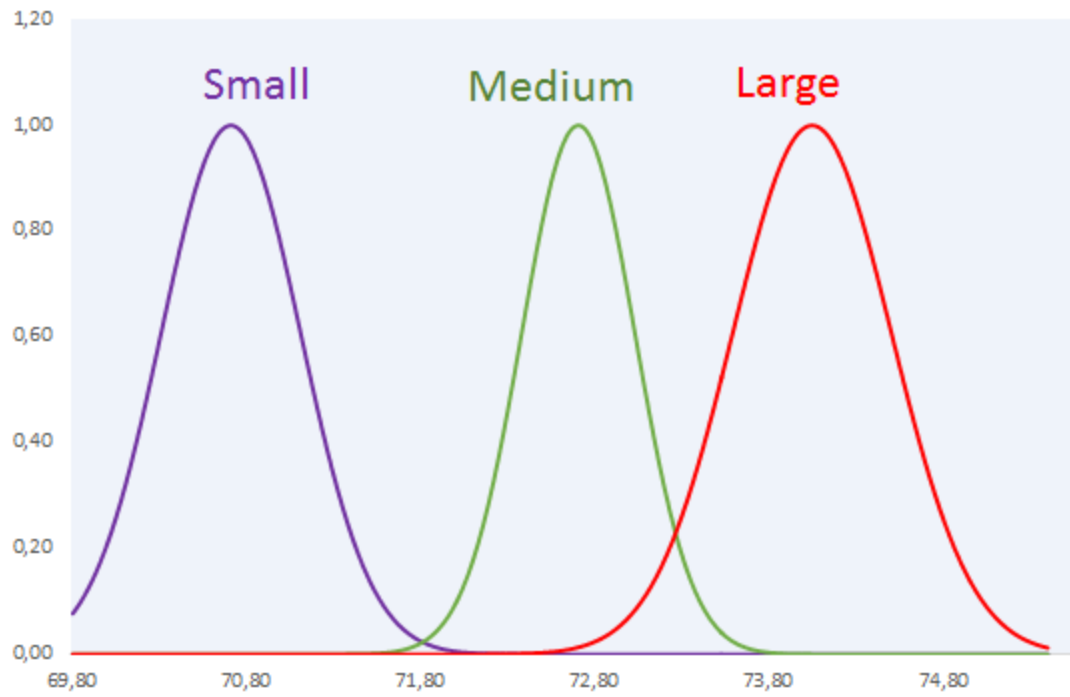
Membership function for attribute x3:



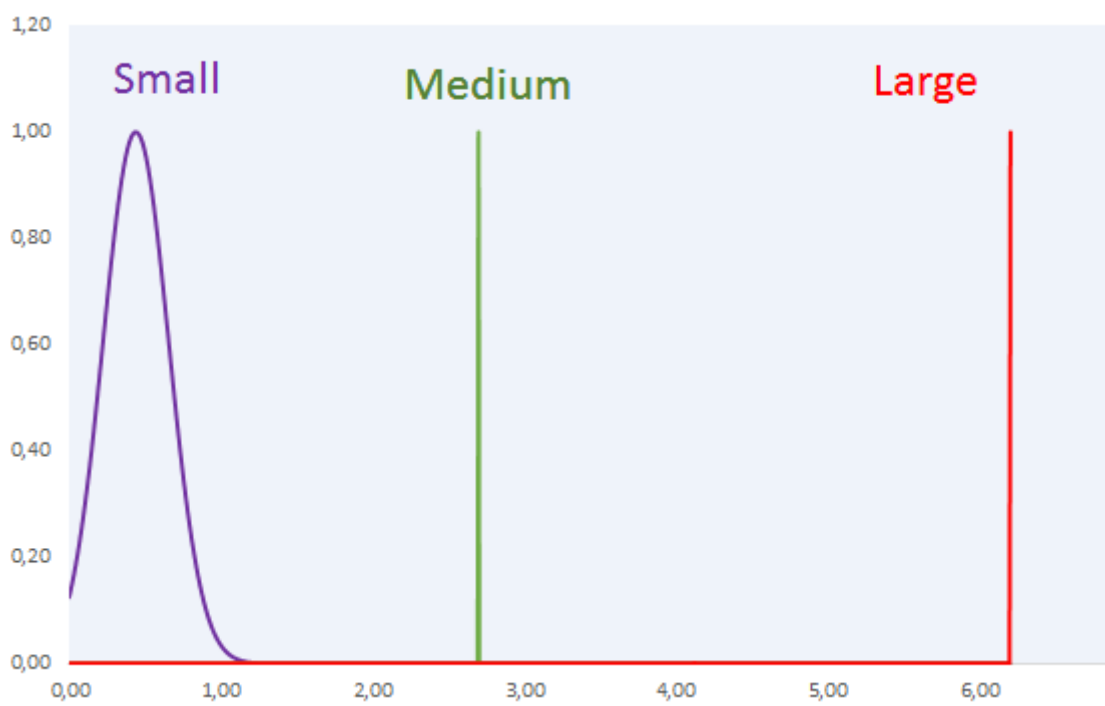
Membership function for attribute x4:



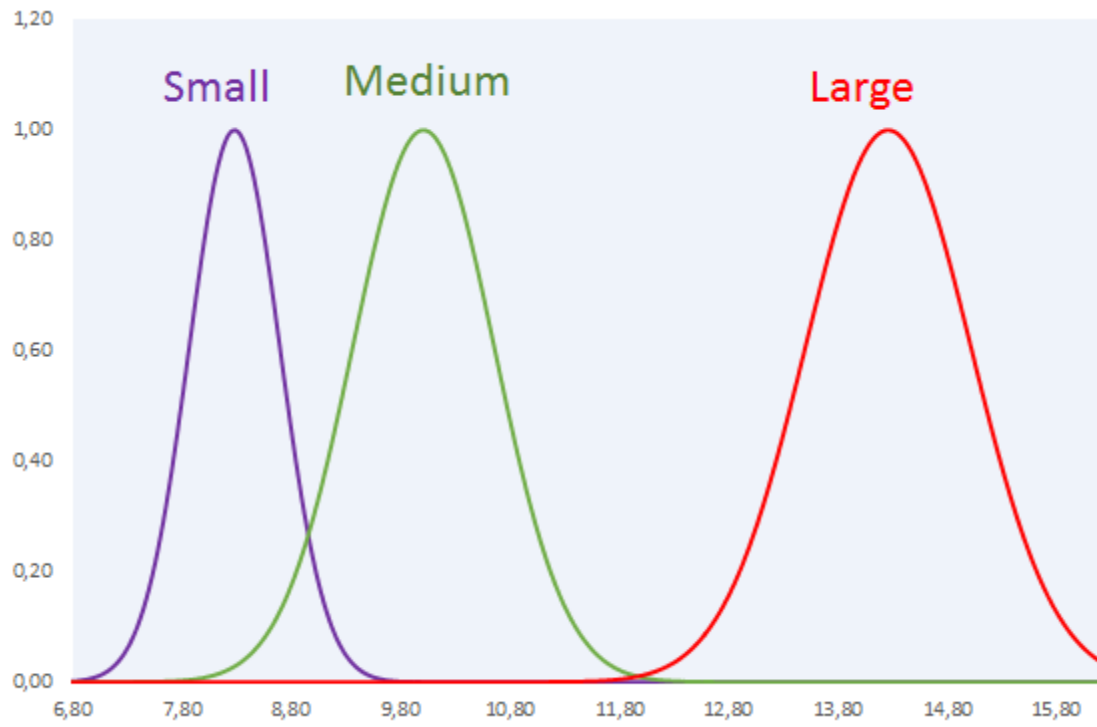
Membership function for attribute x5:



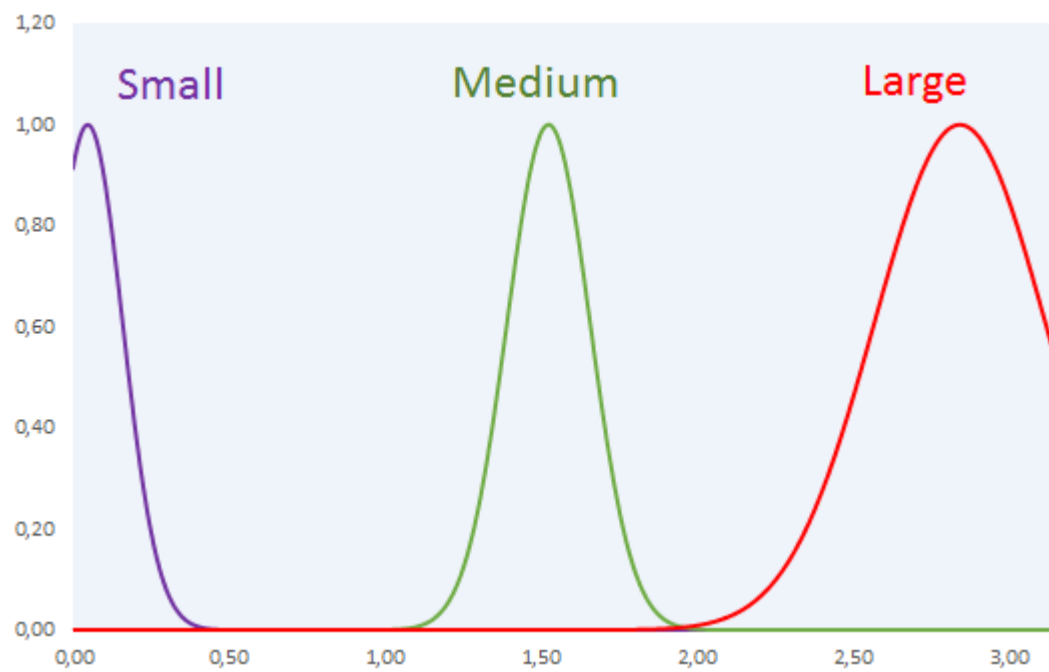
Membership function for attribute x6:



Membership function for attribute x7:



Membership function for attribute x8:



Membership function for attribute x9:

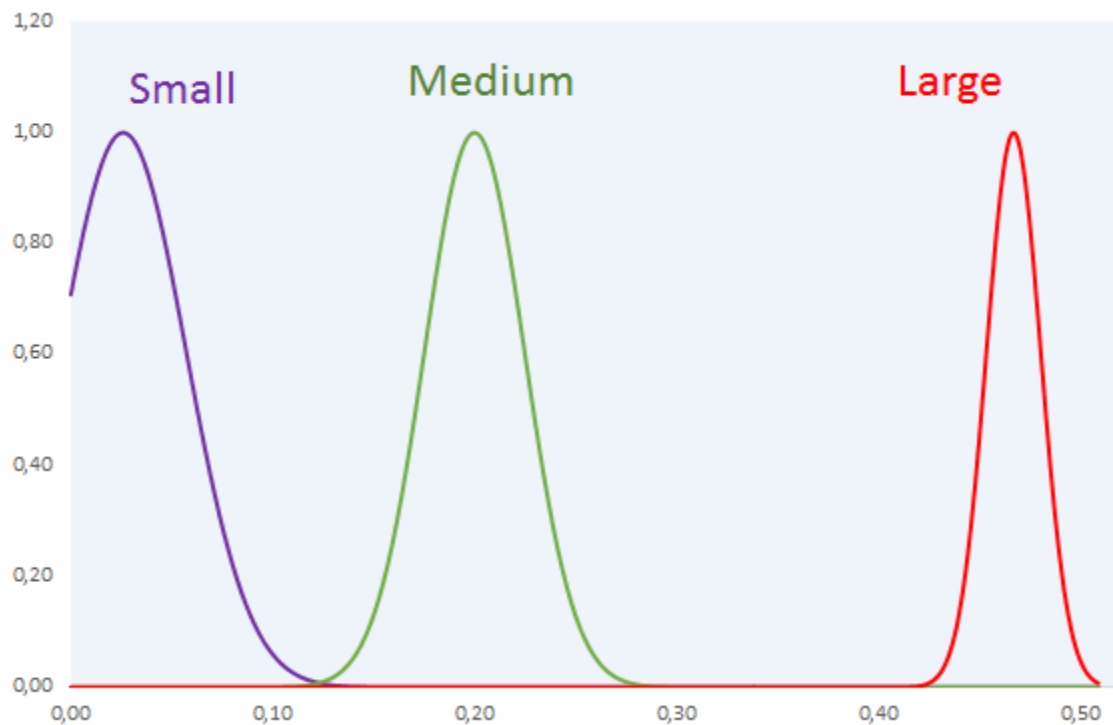


Table of rules:

If x1	and x2	and x3	and x4	and x5	and x6	and x7	and x8	and x9	then
small	small	small	small	medium	small	small	small	small	1
small	medium	large	medium	medium	small	small	small	small	2
small	medium	large	small	medium	small	small	small	small	3
medium	small	small	medium	medium	small	medium	small	small	4
small	medium	small	medium	medium	small	large	small	small	5
small	medium	small	large	large	small	small	small	small	6
large	large	small	small	small	medium	small	large	medium	other

Conformity table:

No	Type of glass 1	Type of glass 2	Type of glass 3	Type of glass 4	Type of glass 5	Type of glass 6
#1	3	3	3	4	4	2
#2	3	4	3	4		6
#3	3	2				4
#4	3	2				
#5	3	2				
#6	3	4				
#7	3	3				
Success rate	0%	42,8%	100%	100%	0%	33,3%

There are two possible reasons for incorrect results:

1. For each type of glass can be alternative rules, and I have chosen the wrong
2. The data for glasses can be a little bit wrong, so the rules doesn't show the good result