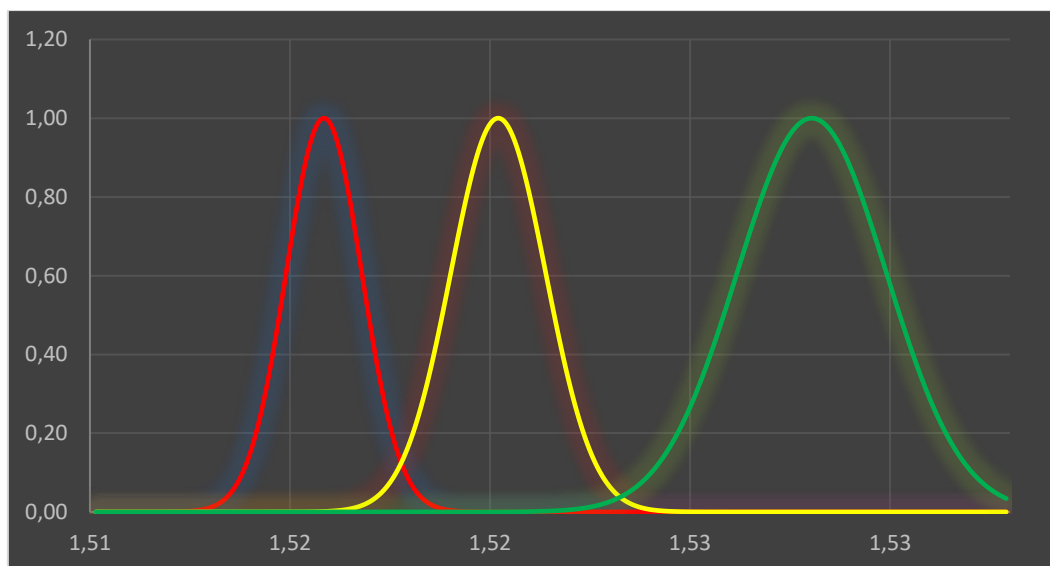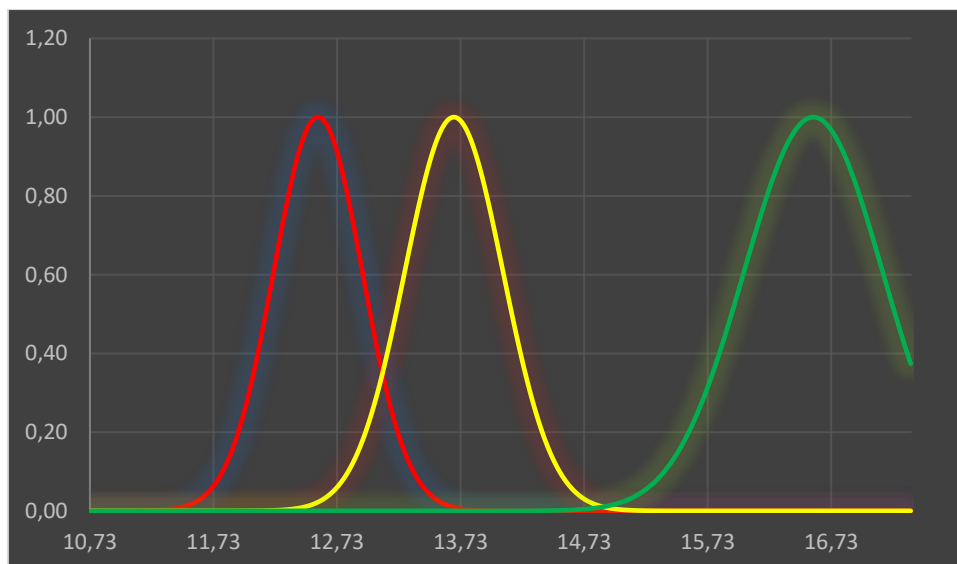Contemporary Data Processing Technology (CCOD)

Lab 8 (October 17, 2016)

Kurilenko Nikita, AS-36
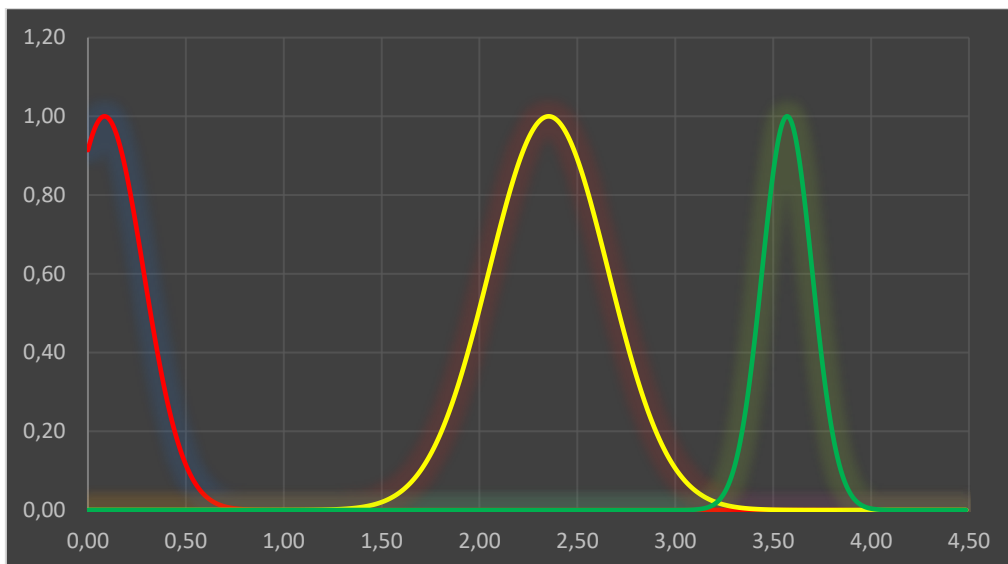
Membership function of attribute №1:

Membership function of attribute №2:

Membership function of attribute №3:

Membership function of attribute №4:

Membership function of attribute №5:
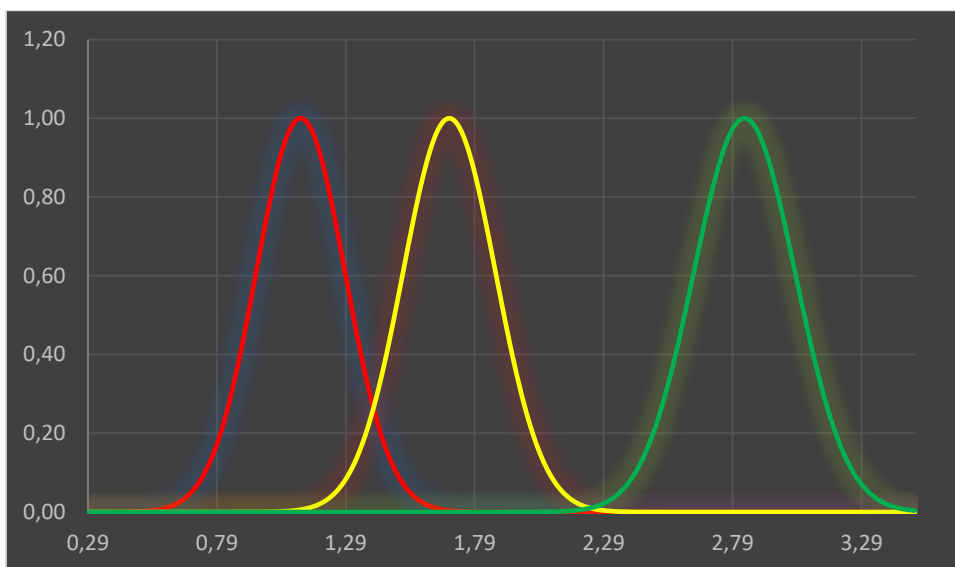

Membership function of attribute №6:
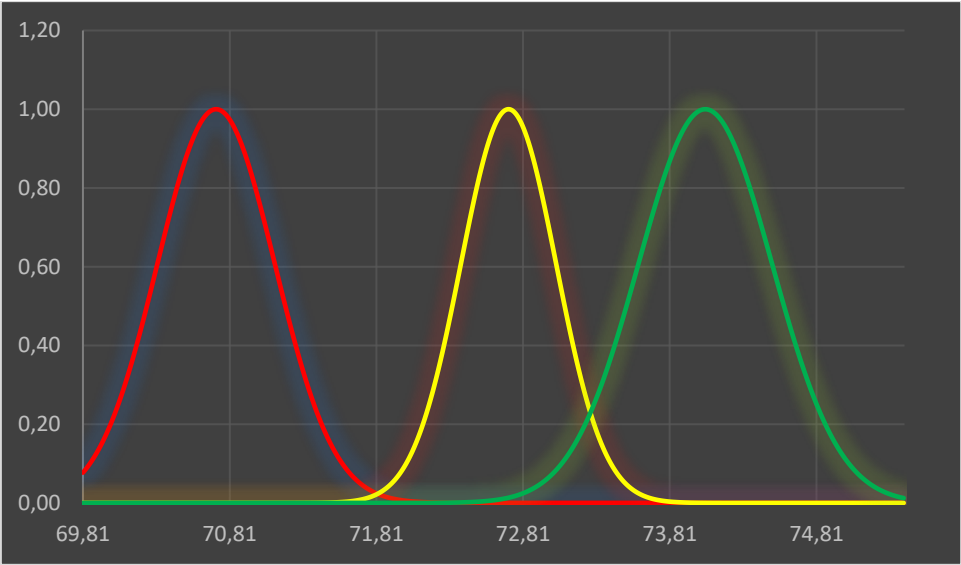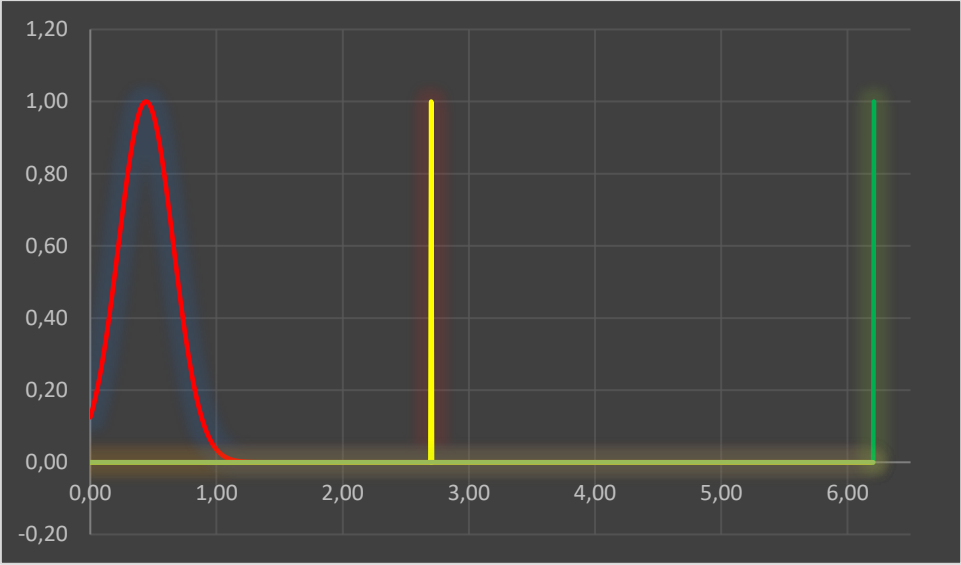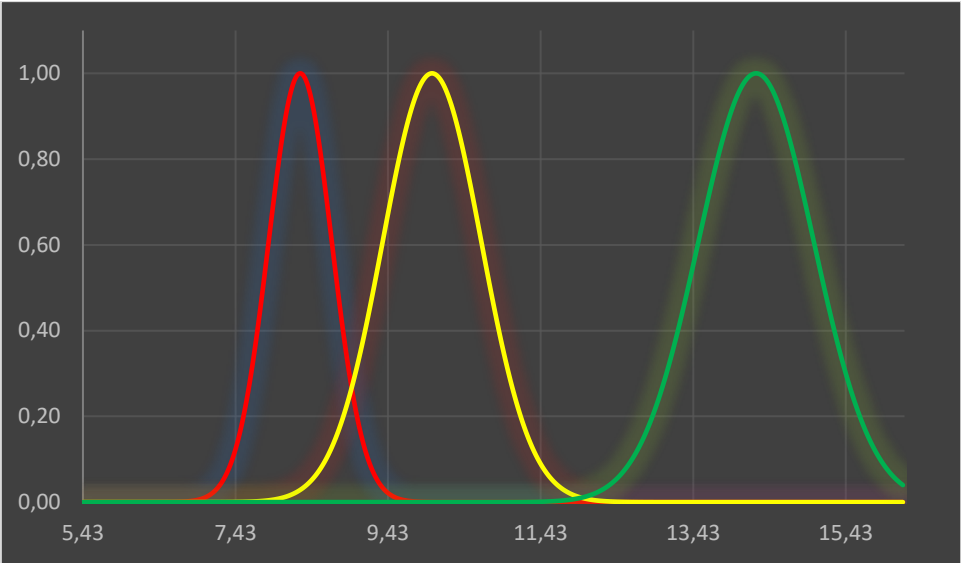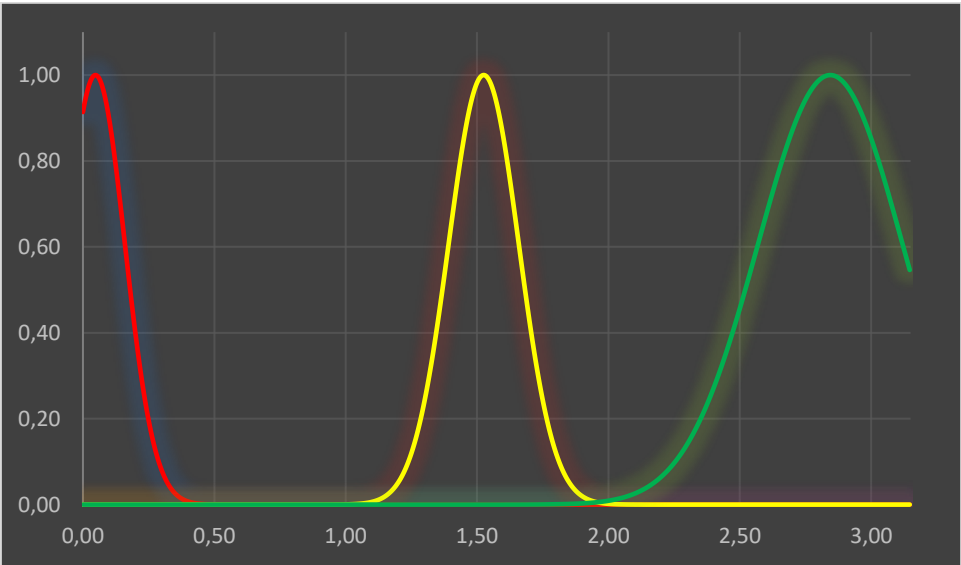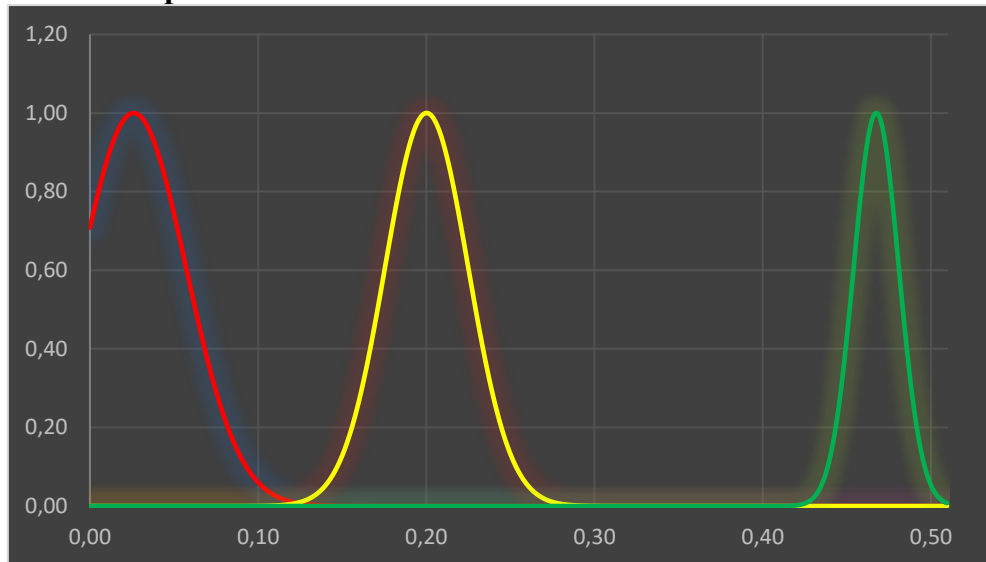
Membership function of attribute №7:

Membership function of attribute №8:

Membership function of attribute №9:

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	medium	small	small	1
small	medium	large	medium	medium	small	small	small	small	2
small	medium	large	small	medium	small	small	small	small	3
medium	medium	small	medium	medium	small	small	small	small	4
small	small	small	medium	medium	small	medium	small	small	5
small	medium	small	medium	large	small	small	small	small	6
large	small	small	small	medium	small	medium	small	small	other

Table of conformities:

No	Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
#1	3	3	3	5	5	6
#2	3	1	3	5		6
#3	3	2				4
#4	3	2				
#5	3	2				
#6	3	1				
#7	3	3				
Success rate	0%	43,00%	100%	0%	100%	67%

There might have be 2 reasons for wrong results:

1. For each type of glass may be alternative rules and I've chosen not the right one

2. The data for glasses can be wrong, so the TS-formula can not recognize the right type of glass