Contemporary Data Processing Technology (CCOD)
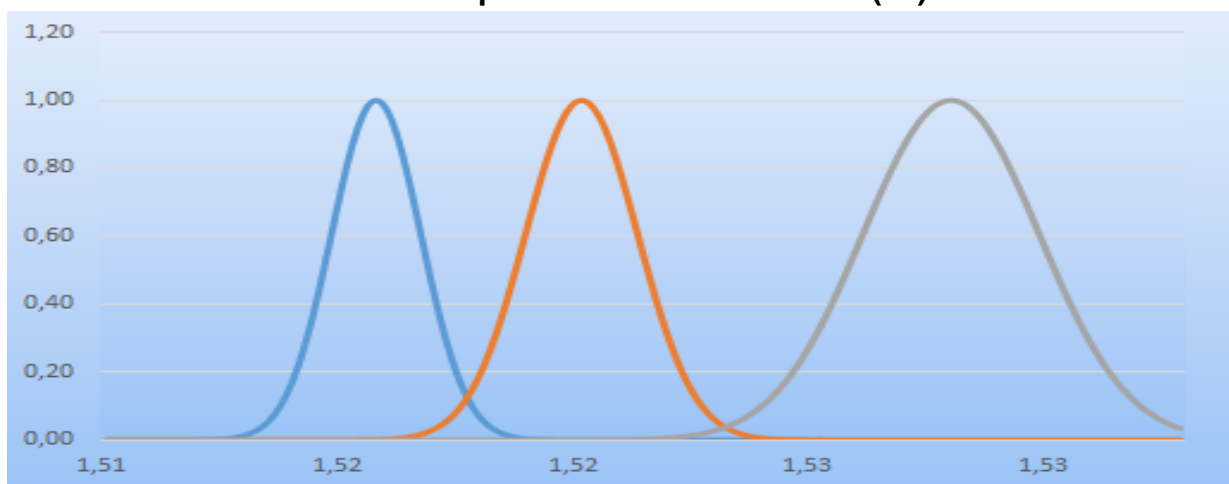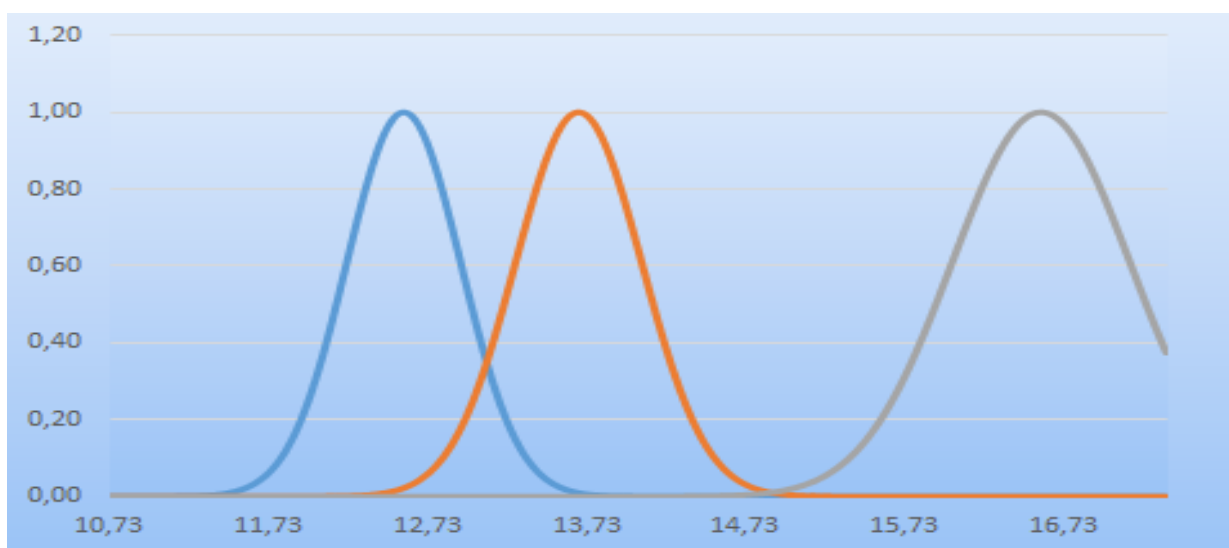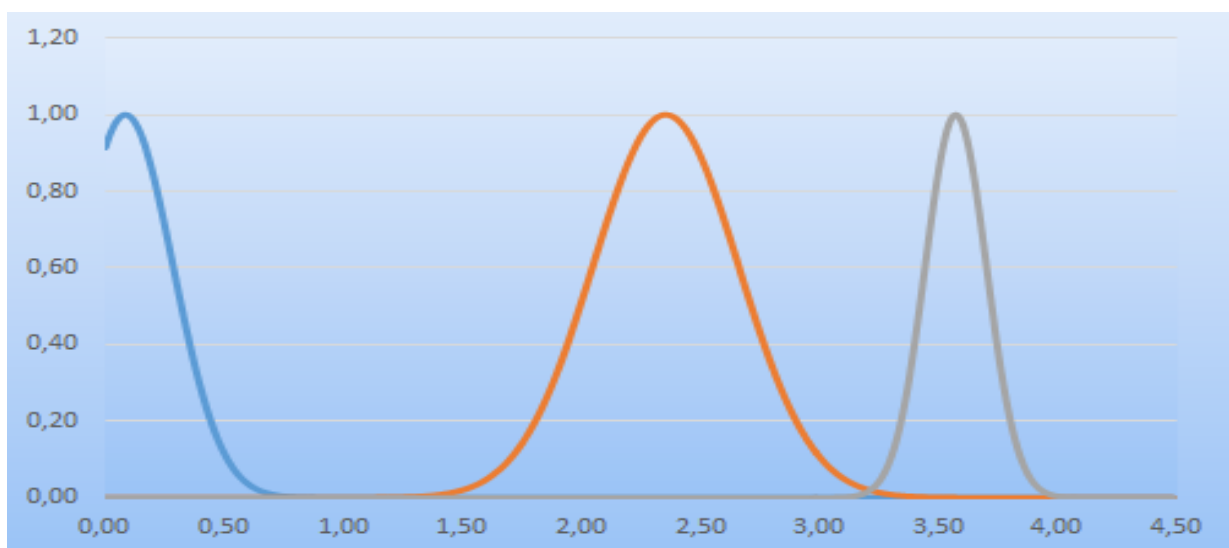**Lab 8 (October 17, 2016)**
Bogutskaya Yulia, AS-36

Membership function of attribute №1(x1):

Membership function of attribute №2(x2):

Membership function of attribute №3(x3):

Membership function of attribute №4(x4):

Membership function of attribute №5(x5):

Membership function of attribute №6(x6):

Membership function of attribute №7(x7):

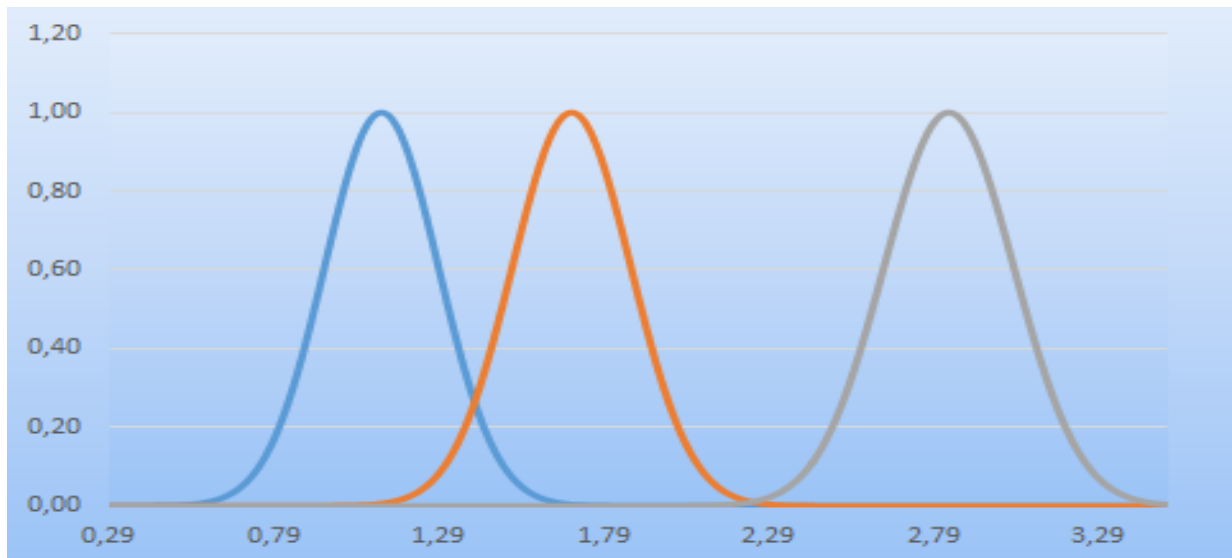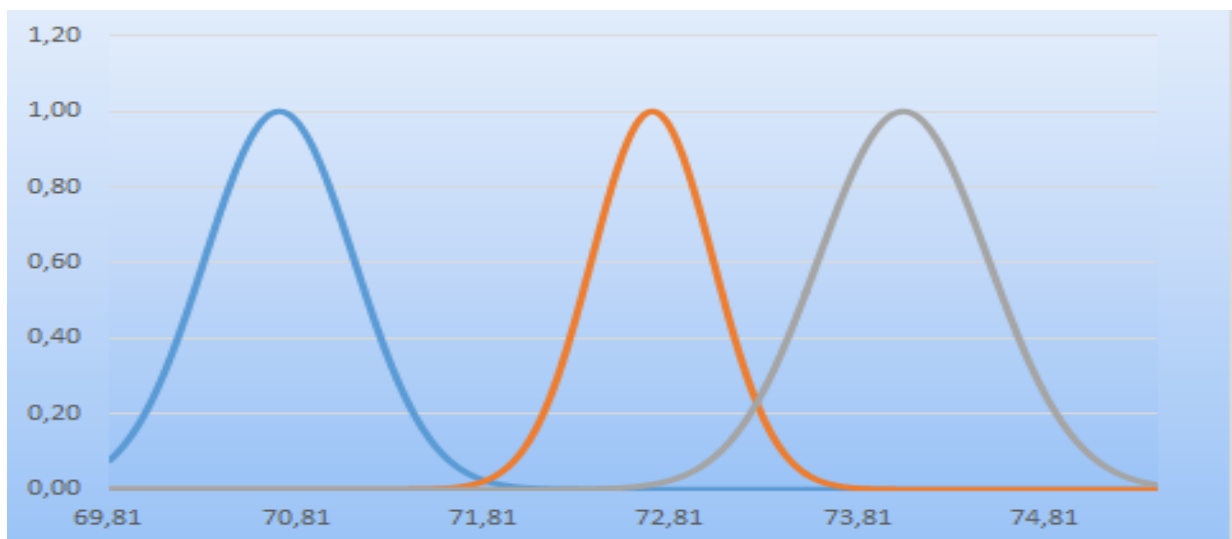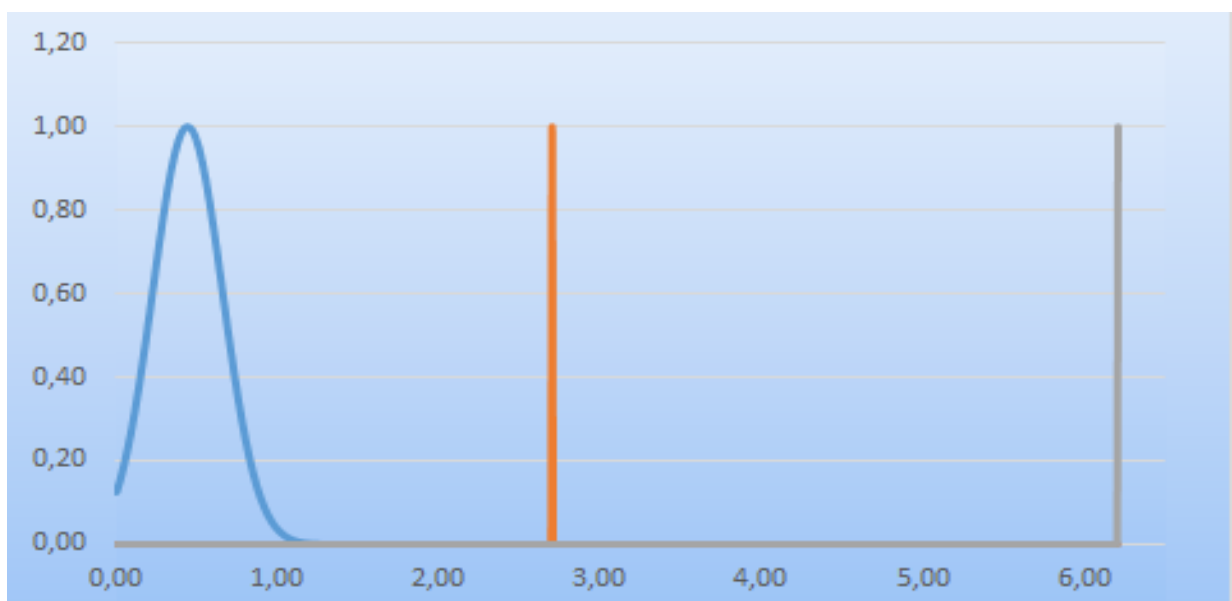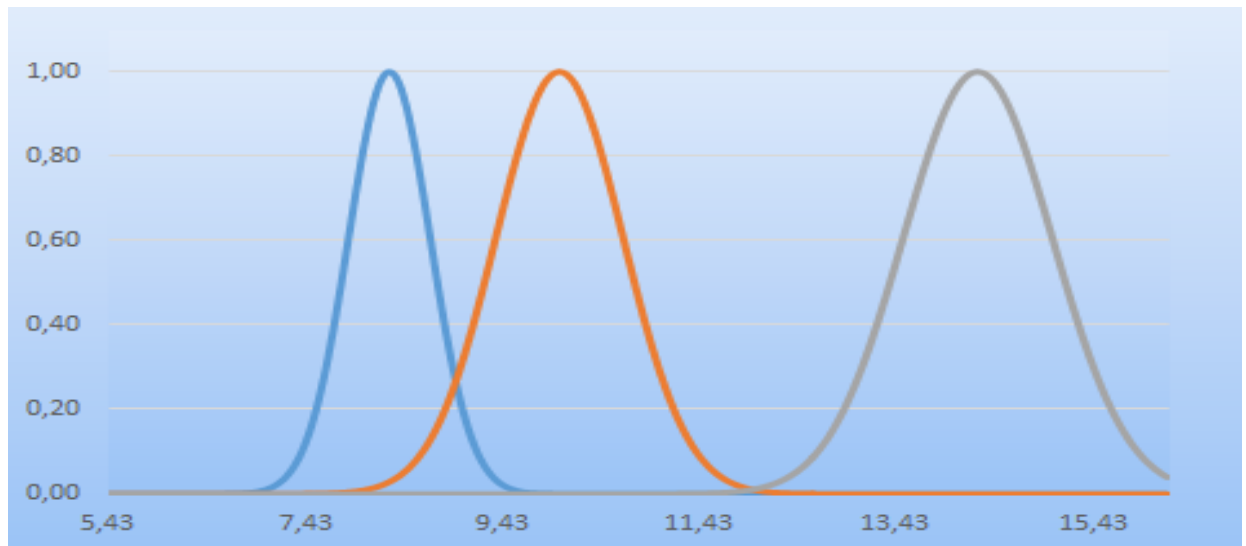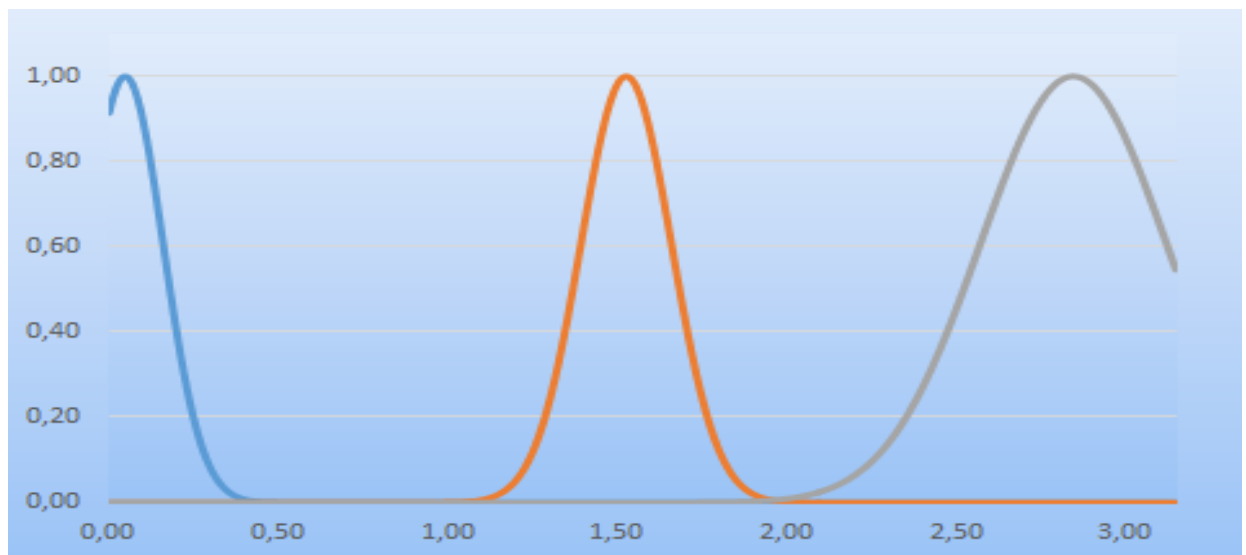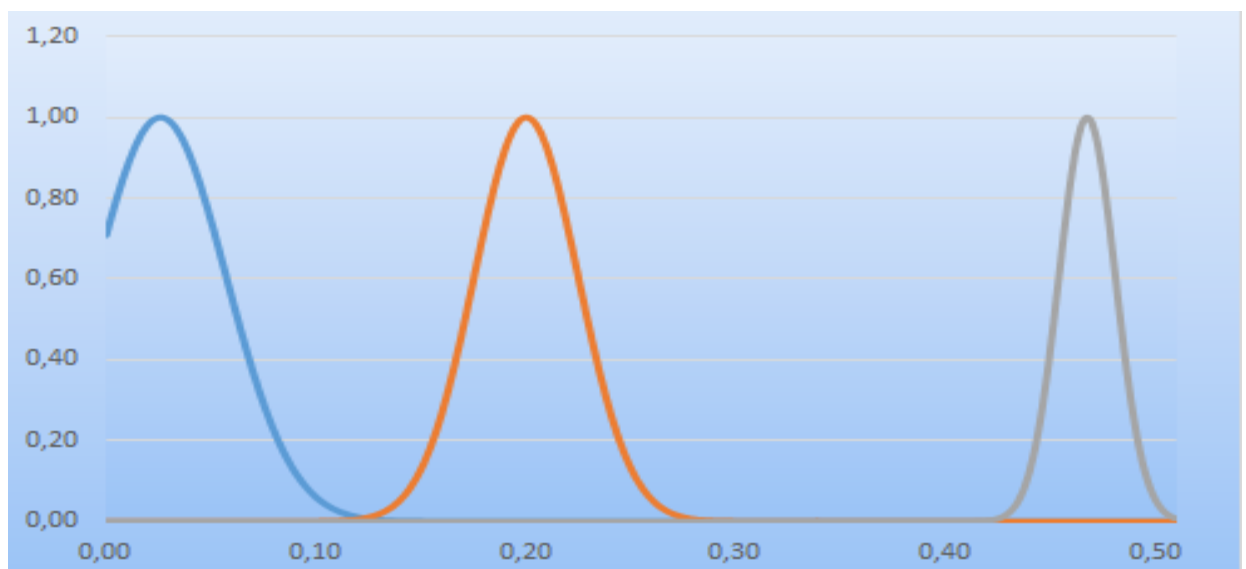
Membership function of attribute №8(x8):

Membership function of attribute №9(x9):

Table of rules:

IF x1	& x2	& x3	& x4	& x5	& x6	& x7	& x8	& 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	Small	Medium	Small	Small	Small	4
Small	Small	Small	Medium	Medium	Small	Medium	Small	Small	5
Small	Medium	Small	Large	Large	Small	Small	Small	Small	6
Large	Large	Small	Small	Medium	Small	Medium	Large	Small	OTHER

Table of conformities:

№	Family 1	Family 2	Family 3	Family 4	Family 5	Family 6
1	3	3	3	4	5	2
2	3	1	3	4		6
3	3	2				4
4	3	2				
5	3	2				
6	3	1				
7	3	3				
Success rate	0%	43,00%	100%	100%	100%	33%

Some columns contain data, which cannot be recognized. May be the rules are not perfect or there are some wrong data of glasses attributes. Family 3,4,5 are 100% recognized.