

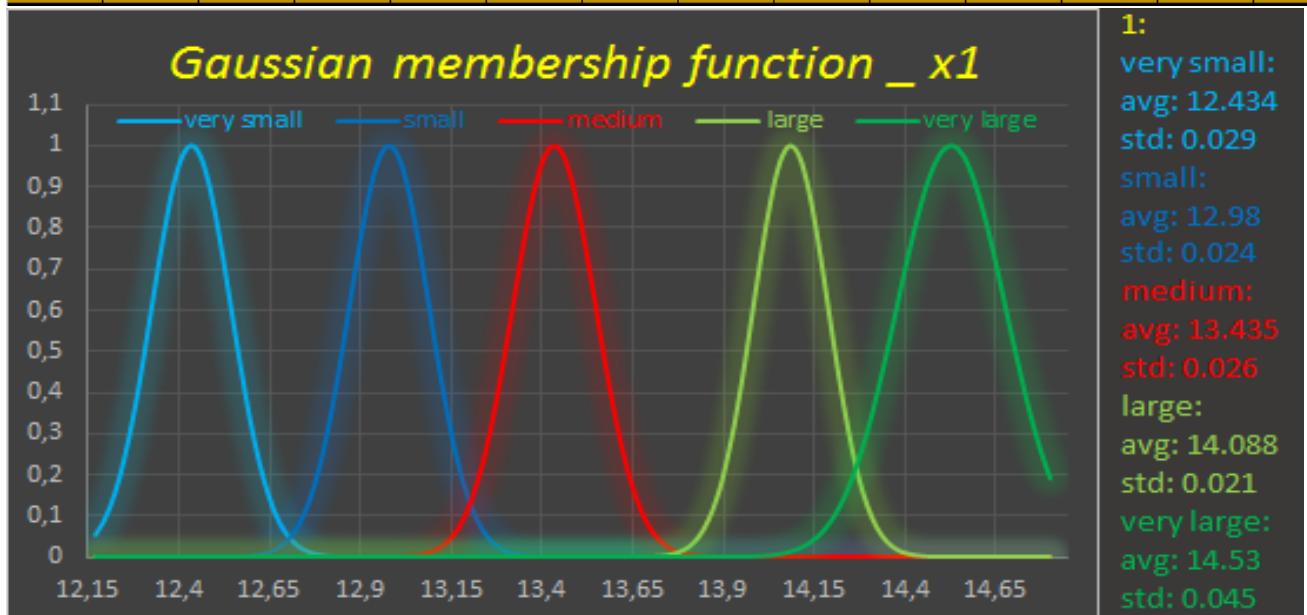
Contemporary Data Processing Technology (CCOD)

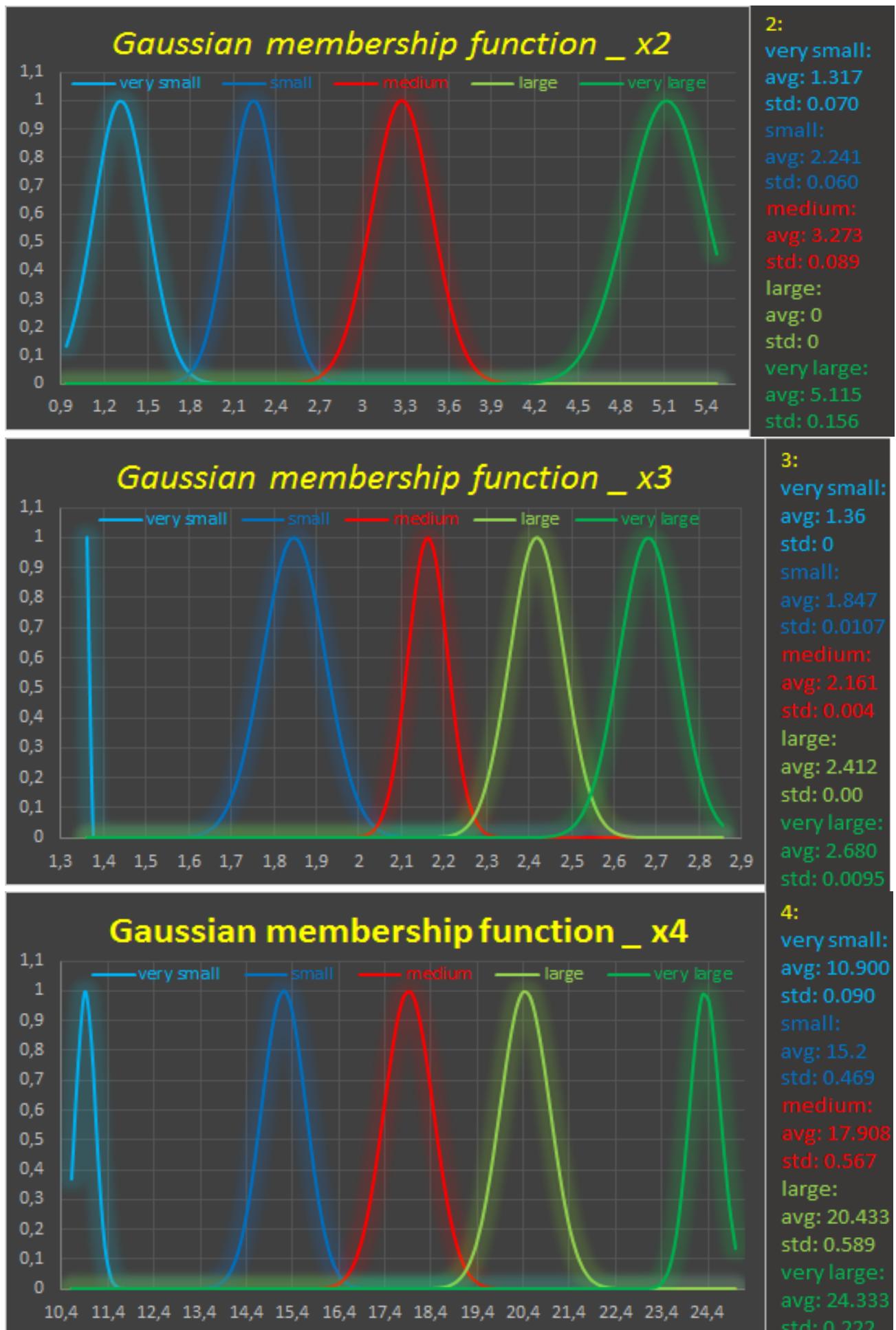
Lab 9 (October 27, 2016)

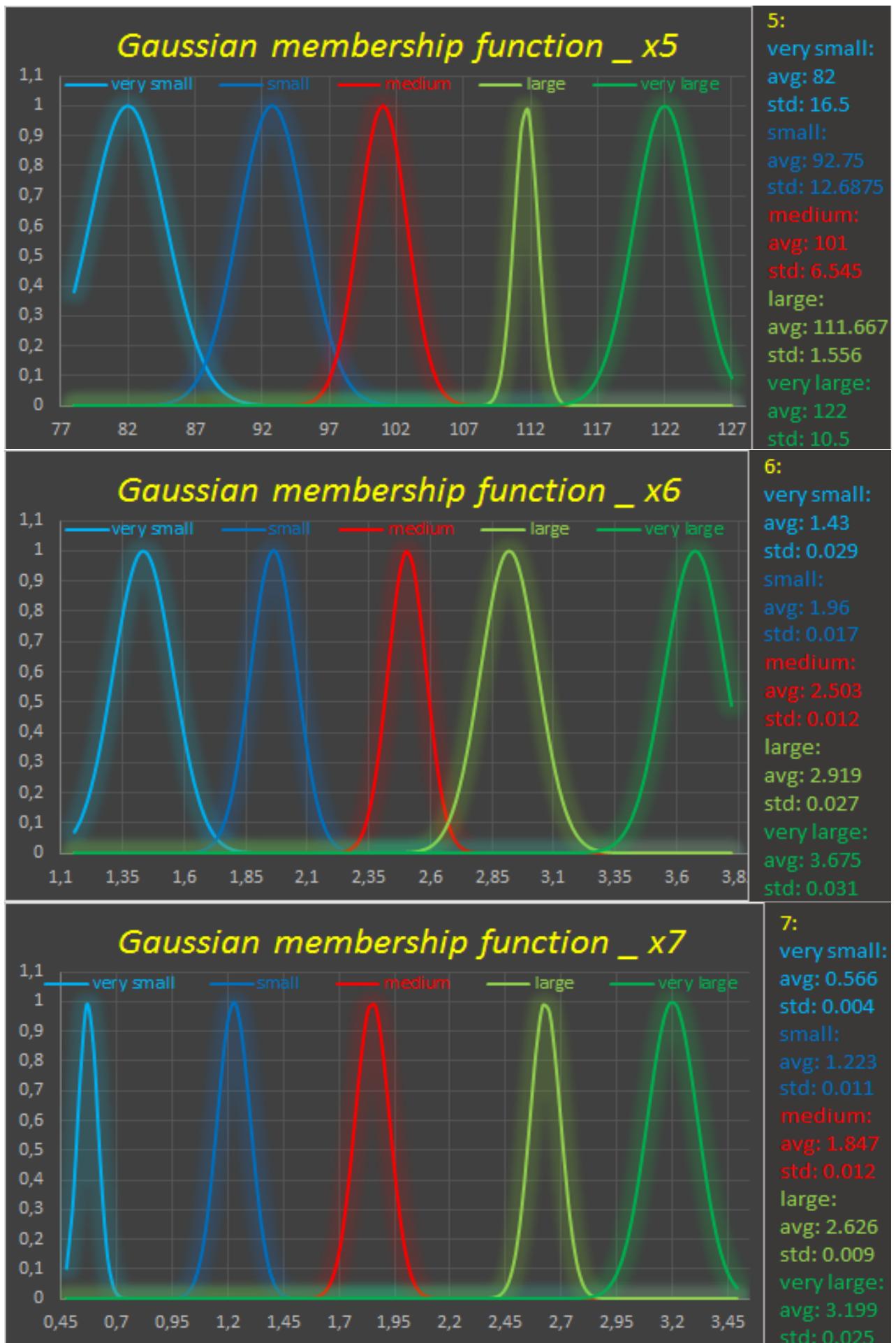
Chekun Roman, AS-36

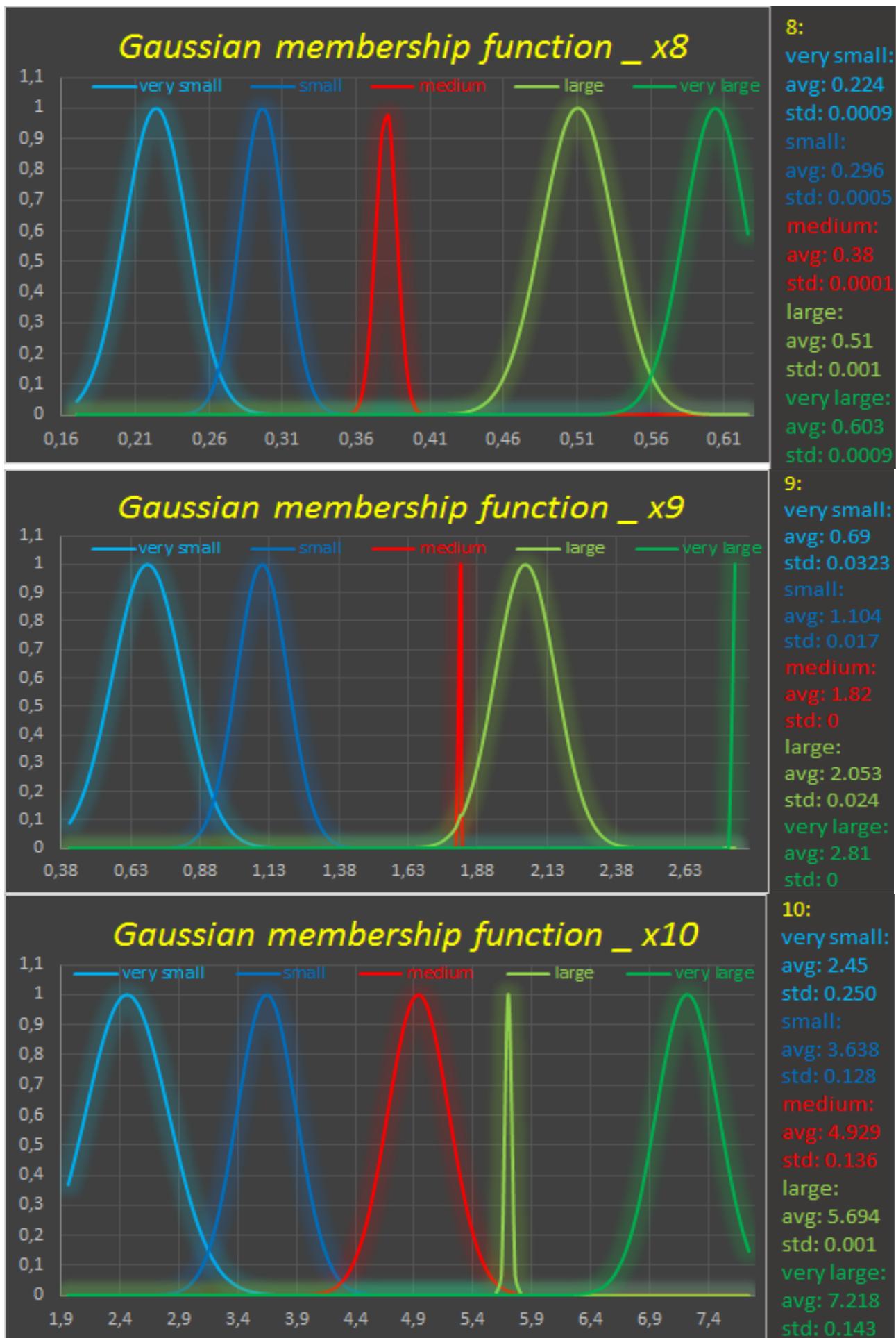
Initial data

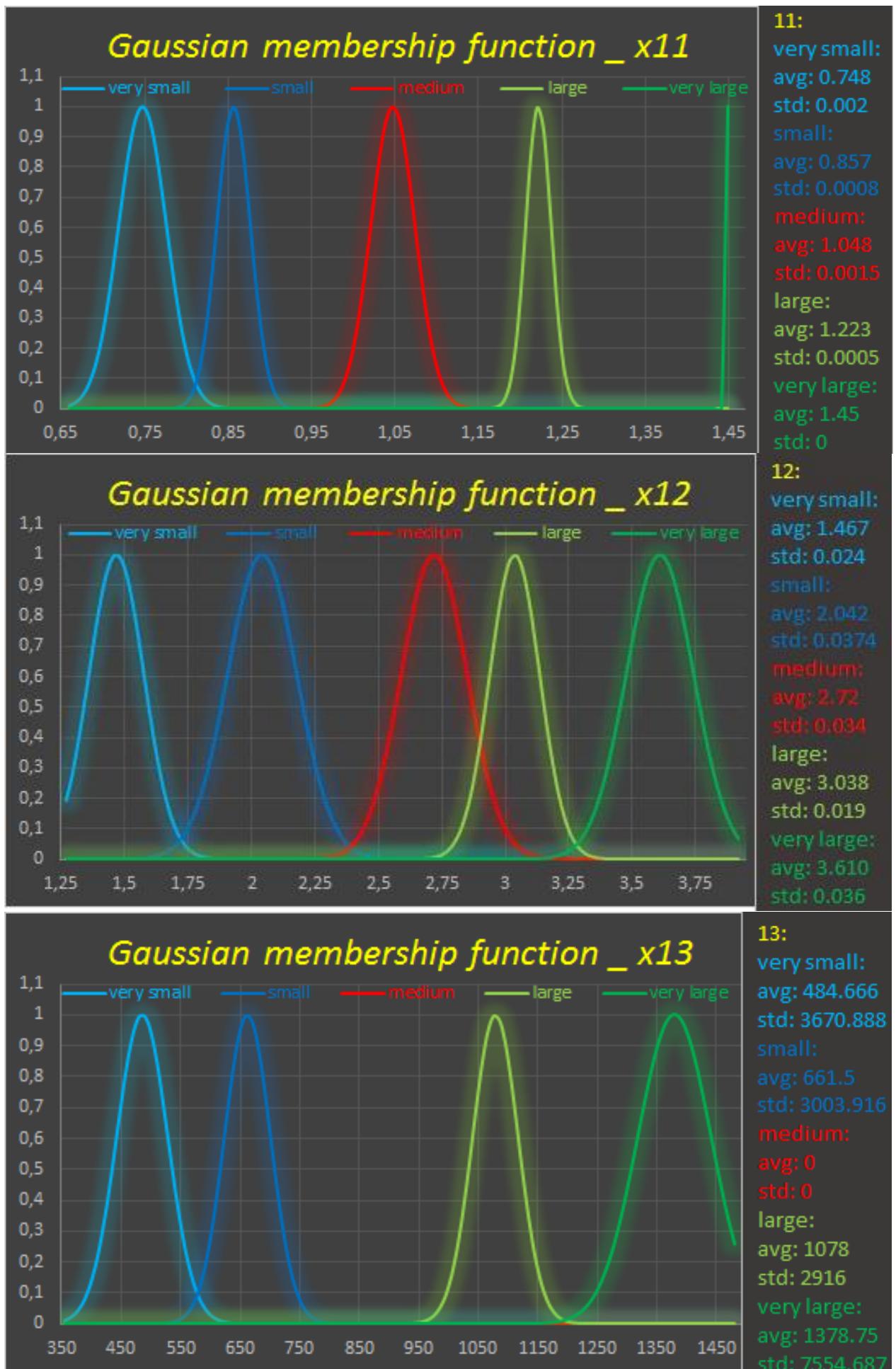
class	x1	x2	x3	x4	x5	x6	x7	x8	x9	x10	x11	x12	x13
1	14,23	1,71	2,43	15,6	127	2,8	3,06	0,28	2,29	5,64	1,04	3,92	1065
	13,2	1,78	2,14	11,2	100	2,65	2,76	0,26	1,28	4,38	1,05	3,4	1050
	13,16	2,36	2,67	18,6	101	2,8	3,24	0,3	2,81	5,68	1,03	3,17	1185
	14,37	1,95	2,5	16,8	113	3,85	3,49	0,24	2,18	7,8	0,86	3,45	1480
	13,24	2,59	2,87	21	118	2,8	2,69	0,39	1,82	4,32	1,04	2,93	735
	14,2	1,76	2,45	15,2	112	3,27	3,39	0,34	1,97	6,75	1,05	2,85	1450
	14,39	1,87	2,45	14,6	96	2,5	2,52	0,3	1,98	5,25	1,02	3,58	1290
	14,06	2,15	2,61	17,6	121	2,6	2,51	0,31	1,25	5,05	1,06	3,58	1295
	14,83	1,64	2,17	14	97	2,8	2,98	0,29	1,98	5,2	1,08	2,85	1045
	13,86	1,35	2,27	16	98	2,98	3,15	0,22	1,85	7,22	1,01	3,55	1045
2	12,37	0,94	1,36	10,6	88	1,98	0,57	0,28	0,42	1,95	1,05	1,82	520
	12,33	1,1	2,28	16	101	2,05	1,09	0,63	0,41	3,27	1,25	1,67	680
	12,64	1,36	2,02	16,8	100	2,02	1,41	0,53	0,62	5,75	0,98	1,59	450
	13,67	1,25	1,92	18	94	2,1	1,79	0,32	0,73	3,8	1,23	2,46	630
	12,37	1,13	2,16	19	87	3,5	3,1	0,19	1,87	4,45	1,22	2,87	420
	12,17	1,45	2,53	19	104	1,89	1,75	0,45	1,03	2,95	1,45	2,23	355
	12,37	1,21	2,56	18,1	98	2,42	2,65	0,37	2,08	4,6	1,19	2,3	678
	13,11	1,01	1,7	15	78	2,98	3,18	0,26	2,28	5,3	1,12	3,18	502
	12,37	1,17	1,92	19,6	78	2,11	2	0,27	1,04	4,68	1,12	3,48	510
	13,34	0,94	2,36	17	110	2,53	1,3	0,55	0,42	3,17	1,02	1,93	750
3	12,86	1,35	2,32	18	122	1,51	1,25	0,21	0,94	4,1	0,76	1,29	630
	12,88	2,99	2,4	20	104	1,3	1,22	0,24	0,83	5,4	0,74	1,42	530
	12,81	2,31	2,4	24	98	1,15	1,09	0,27	0,83	5,7	0,66	1,36	560
	12,7	3,55	2,36	21,5	106	1,7	1,2	0,17	0,84	5	0,78	1,29	600
	12,51	1,24	2,25	17,5	85	2	0,58	0,6	1,25	5,45	0,75	1,51	650
	12,6	2,46	2,2	18,5	94	1,62	0,66	0,63	0,94	7,1	0,73	1,58	695
	12,25	4,72	2,54	21	89	1,38	0,47	0,53	0,8	3,85	0,75	1,27	720
	12,53	5,51	2,64	25	96	1,79	0,6	0,63	1,1	5	0,82	1,69	515
	13,49	3,59	2,19	19,5	88	1,62	0,48	0,58	0,88	5,7	0,81	1,82	580
	12,84	2,96	2,61	24	101	2,32	0,6	0,53	0,81	4,92	0,89	2,15	590











Rules													
IF	X_1=large	AND	X_2=very small	AND	X_3=large	AND	X_4=medium	AND	X_5=small	AND	X_6=medium	AND	X_7=large
IF	X_1=large	AND	X_2=very small	AND	X_3=large	AND	X_4=medium	AND	X_5=small	AND	X_6=medium	AND	X_7=large
IF	X_1=medium	AND	X_2=very small	AND	X_3=small	AND	X_4=medium	AND	X_5=medium	AND	X_6=small	AND	X_7=small
IF	X_1=very small	AND	X_2=very small	AND	X_3=medium	AND	X_4=very large	AND	X_5=medium	AND	X_6=small	AND	X_7=medium
IF	X_1=very small	AND	X_2=medium	AND	X_3=medium	AND	X_4=large	AND	X_5=large	AND	X_6=very small	AND	X_7=very small
IF	X_1=small	AND	X_2=very large	AND	X_3=medium	AND	X_4=medium	AND	X_5=large	AND	X_6=small	AND	X_7=very small
IF	X_1=very large	AND	X_2=small	AND	X_3=very large	AND	X_4=very small	AND	X_5=very large	AND	X_6=large	AND	X_7=very large

AND	X_8=very small	AND	X_9=medium	AND	X_10=large	AND	X_11=medium	AND	X_12=large	AND	X_13=large	THEN	A
AND	X_8=small	AND	X_9=large	AND	X_10=medium	AND	X_11=large	AND	X_12=medium	AND	X_13=very large	THEN	A
AND	X_8=small	AND	X_9=large	AND	X_10=medium	AND	X_11=large	AND	X_12=medium	AND	X_13=small	THEN	B
AND	X_8=small	AND	X_9=large	AND	X_10=medium	AND	X_11=medium	AND	X_12=very small	AND	X_13=small	THEN	B
AND	X_8=large	AND	X_9=very small	AND	X_10=very large	AND	X_11=very small	AND	X_12=medium	AND	X_13=very small	THEN	C
AND	X_8=small	AND	X_9=small	AND	X_10=medium	AND	X_11=small	AND	X_12=small	AND	X_13=very small	THEN	C
AND	X_8=medium	AND	X_9=medium	AND	X_10=large	AND	X_11=very large	AND	X_12=very large	AND	X_13=medium	THEN	other

	Family A		Family B		Family C		Evaluation
	Rule - 1		Rule - 2		Rule - 3		
No.	A or B or C or other		A or B or C or other		A or B or C or other		Evaluation
#1	A		B		C		Good
#2	A		B		C		Good
#3	A		A		C		Not Good
#4	A		B		C		Good
#5	A		A		C		Not Good
Success rate	100%		60%		100%		60%