

Contemporary Data Processing Technology (CCOD)

Lab 6 (October 08, 2016)

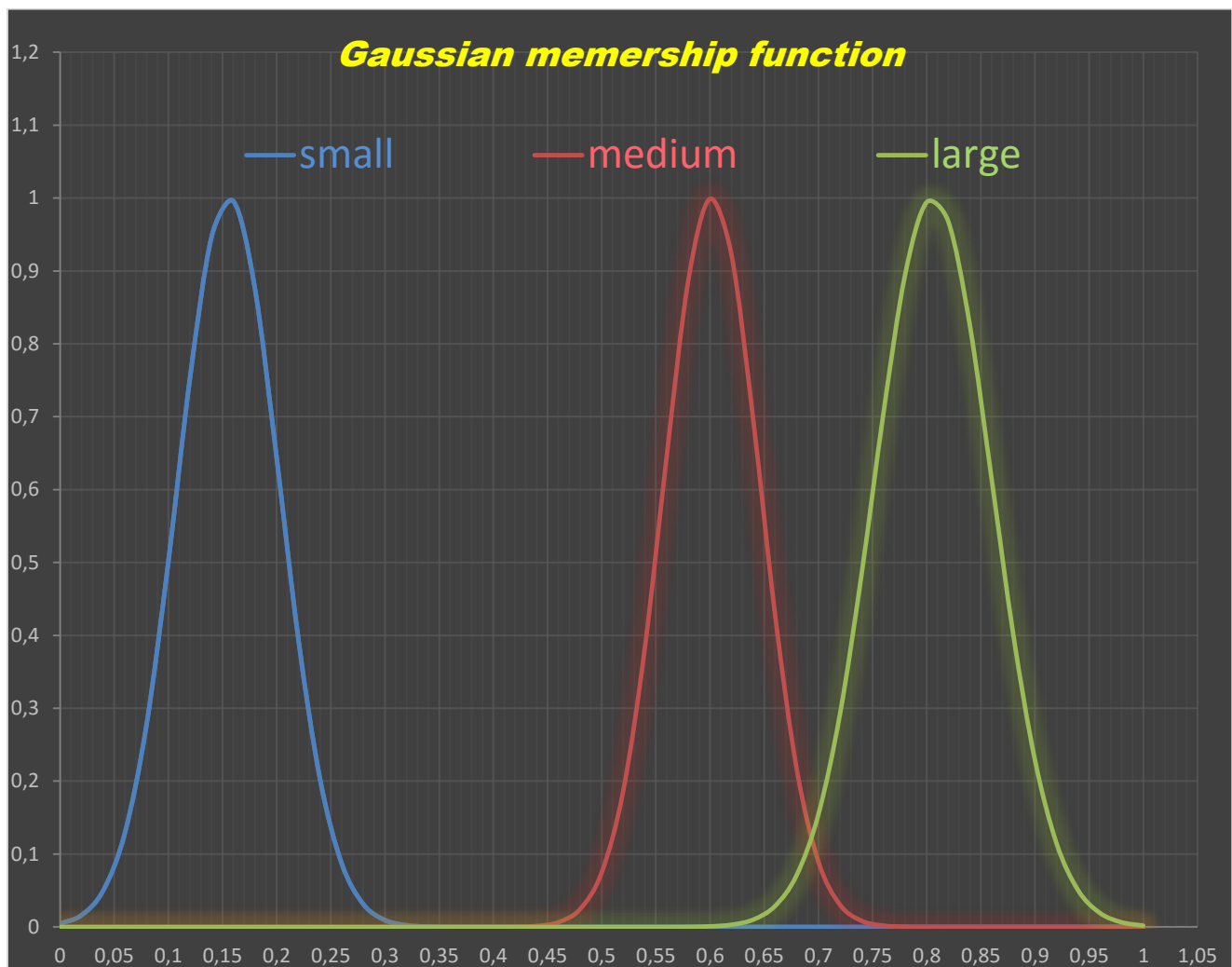
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In this work, it was necessary to divide $17 \times 4 \times 3 = 204$ data into 3 groups of small medium large and calculate avg and std for each of 3 groups.

Draw 3 Gaussian membership function of small, medium, and large in x-y coordinate.

Create 3 rules for each family A, B, C by your feeling.

Using 2nd 8 data to evaluate your 3 rules good or not by check OK
NO False alarm.



3 Rules									
IF	X_1 = medium	AND	X_2 = large	AND	X_3 = small	AND	X_4 = small	THEN	A
IF	X_1 = large	AND	X_2 = large	AND	X_3 = medium	AND	X_4 = medium	THEN	B
IF	X_1 = large	AND	X_2 = medium	AND	X_3 = large	AND	X_4 = large	THEN	C

	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	
#1	A	B	C	Good
#2	A	B	C	Good
#3	A	B	C	Good
#4	A	other	C	Not Good
#5	A	B	C	Good
#6	A	B	C	Good
#7	A	B	C	Good
#8	A	other	C	Not Good
Success rate	100,0%	75,0%	100,0%	75,0%