Lab 5 (November 8, 2016)

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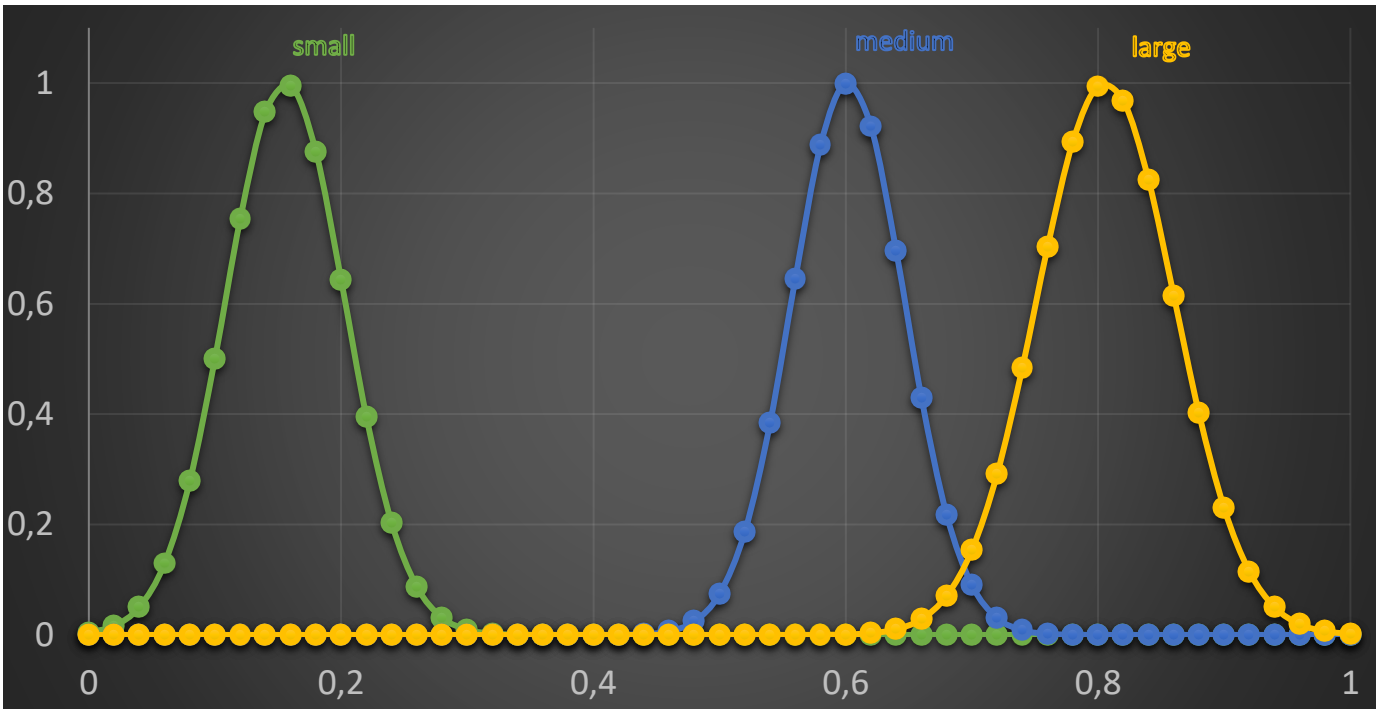
The Gaussian membership functions of small, medium, and large:



My 3 rules for each family:

1. If x_1=Medium and x_2 =medium and x_3 = small and x_4 =small then A.
2. If x_1=large and x_2 =medium and x_3 =medium and x_4 =medium then B.
3. If x_1=large x_2 =medium x_3 =large x_4 =large then C.

Checking own rules , good or not:

	Family A		Family B		Family C	
	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	other		B		C	not good
№2	A		B		C	good
№3	A		B		C	good
№4	A		B		C	good
№5	other		B		C	not good
№6	other		B		C	not good
№7	A		B		B	not good
№8	A		other		C	not good
success rate	62,50%		87,5%		87,5%	37,50%