

Contemporary Data Processing Technology (CCOD)

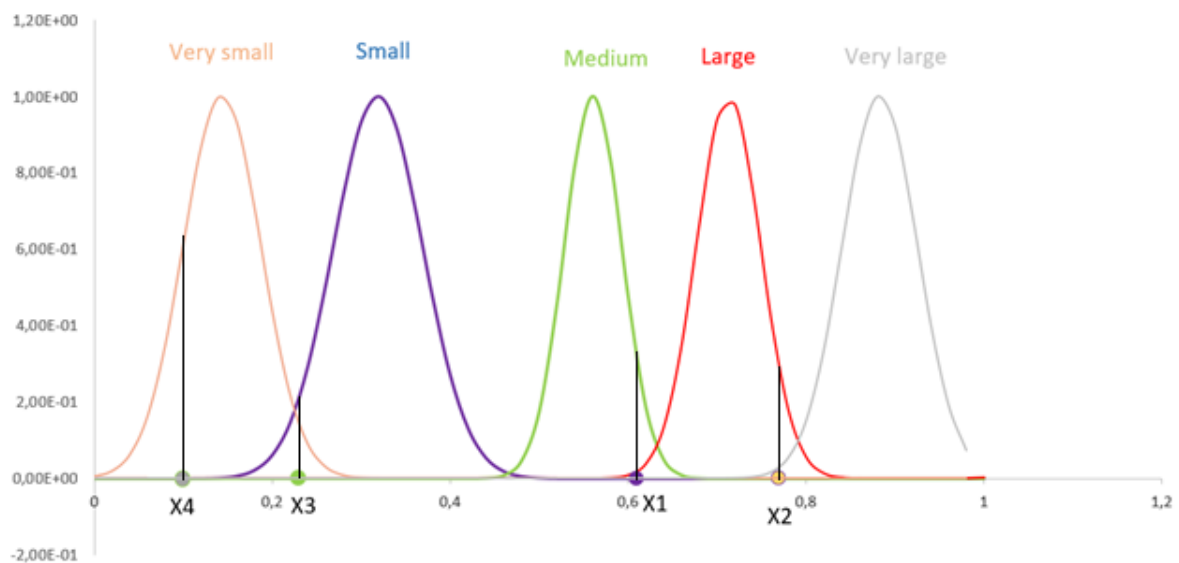
Lab 7 (October 15, 2016)

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Table of rules:

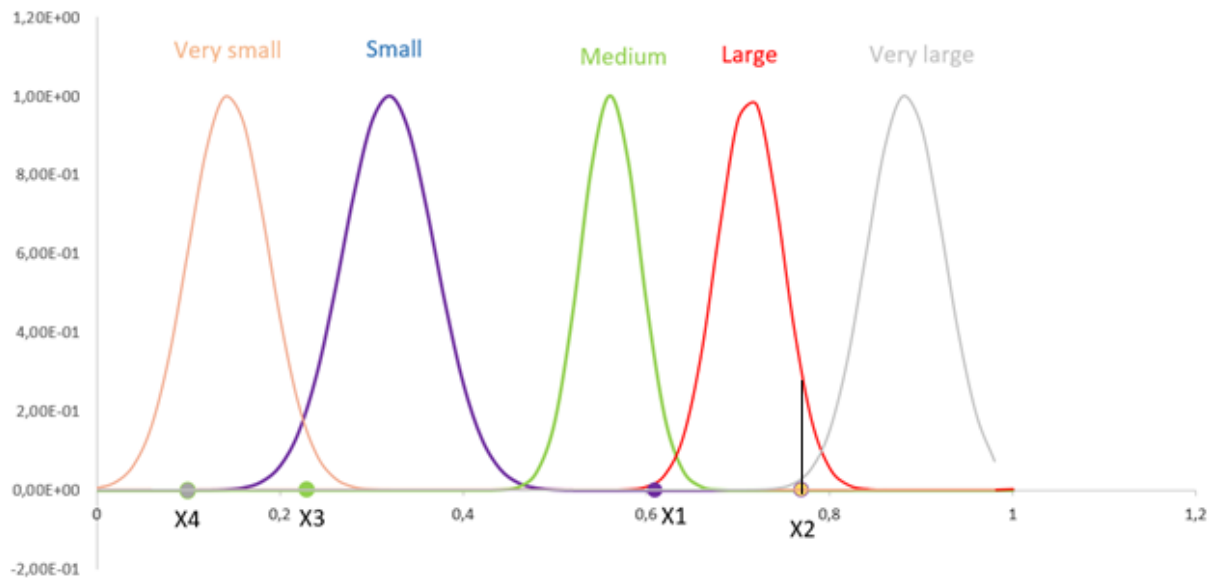
	if x1	and x2	and x3	and x4
Setosa	medium	large	small	very small
Versicolor	large	large	medium	medium
Virginica	very large	very large	very large	large

Rule 1: if x1 = medium, if x2 = large, if x3 = small, if x4 = very small



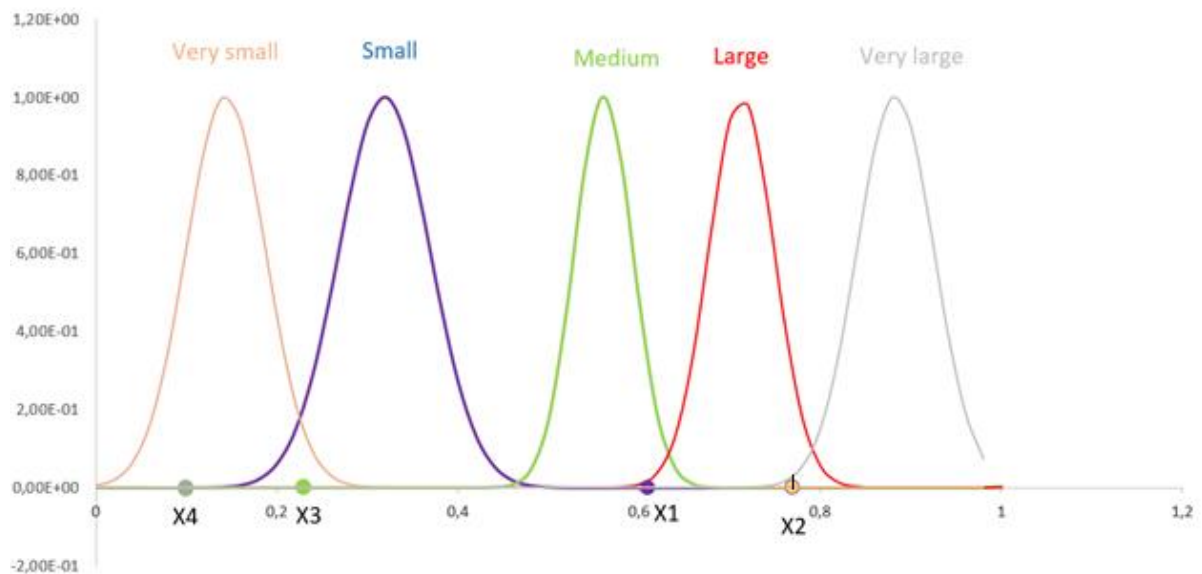
$$M1 = 0.311 \times 0.2846 \times 0.21277 \times 0.3489 = 0.006584688849437219$$

Rule 2: if $x_1 = \text{large}$, if $x_2 = \text{large}$, if $x_3 = \text{medium}$, if $x_4 = \text{medium}$



$$M_2 = 0.018217450100073515 \times 8.543615044442508e-10 \times 2.7273967107226634e-23 \times 2.0173743543404573e-48 = 8.563751733399817e-82$$

Rule 3: if $x_1 = \text{very large}$, if $x_2 = \text{very large}$, if $x_3 = \text{very large}$, if $x_4 = \text{large}$



$$M_3 = 1.1549471416336851e-9 \times 0.2846506508158262 \times 6.4703131246604396e-52 \times 3.8159966380221206e-78 = 8.117224758062489e-139$$

$$y = 0.006584688849437219 / 0.006584688849437219 = 1$$