

Contemporary Data Processing Technology (CCOD)

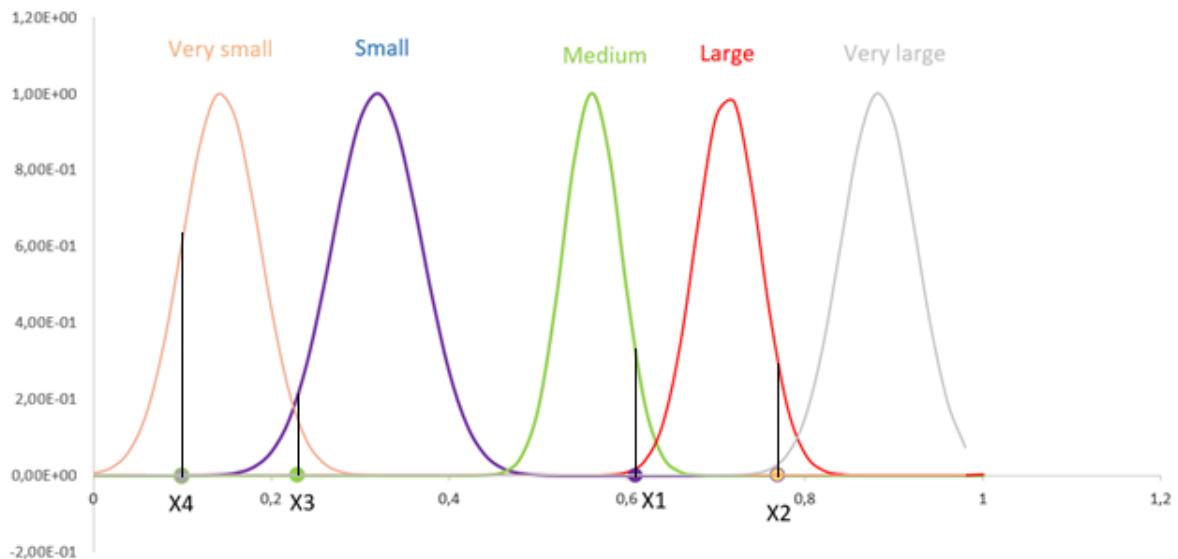
Lab 7 (October 15, 2016)

Kurilenko Nikita, AS-36

Table of rules:

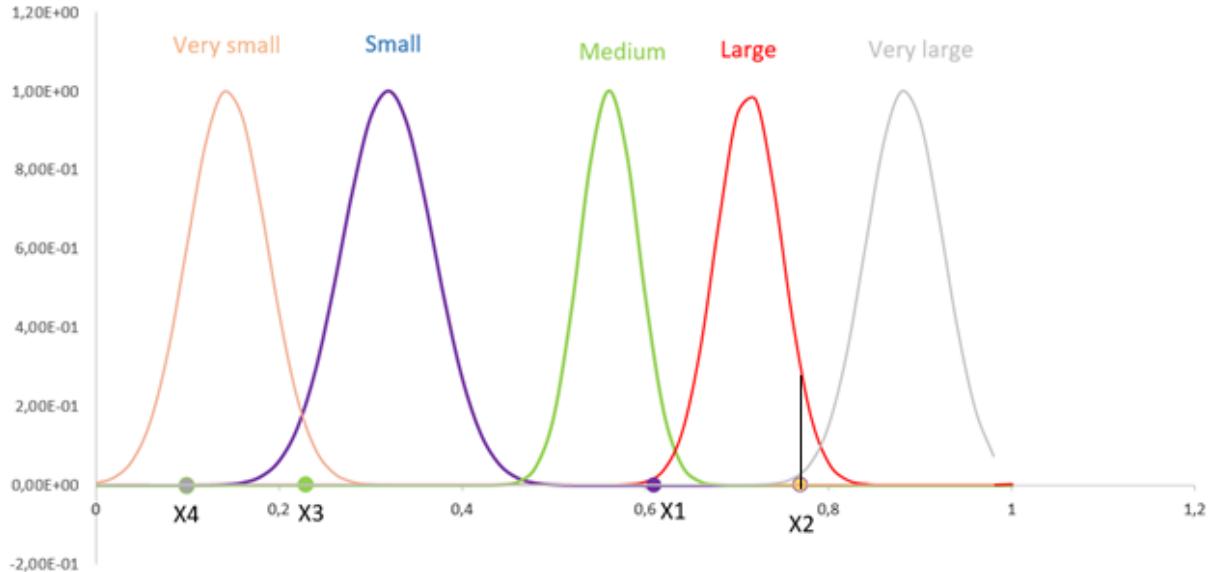
	if x1	and x2	and x3	and x4
Setosa	medium	large	small	very small
Versicolor	large	large	medium	medium
Virginica	very large	very large	very large	large

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



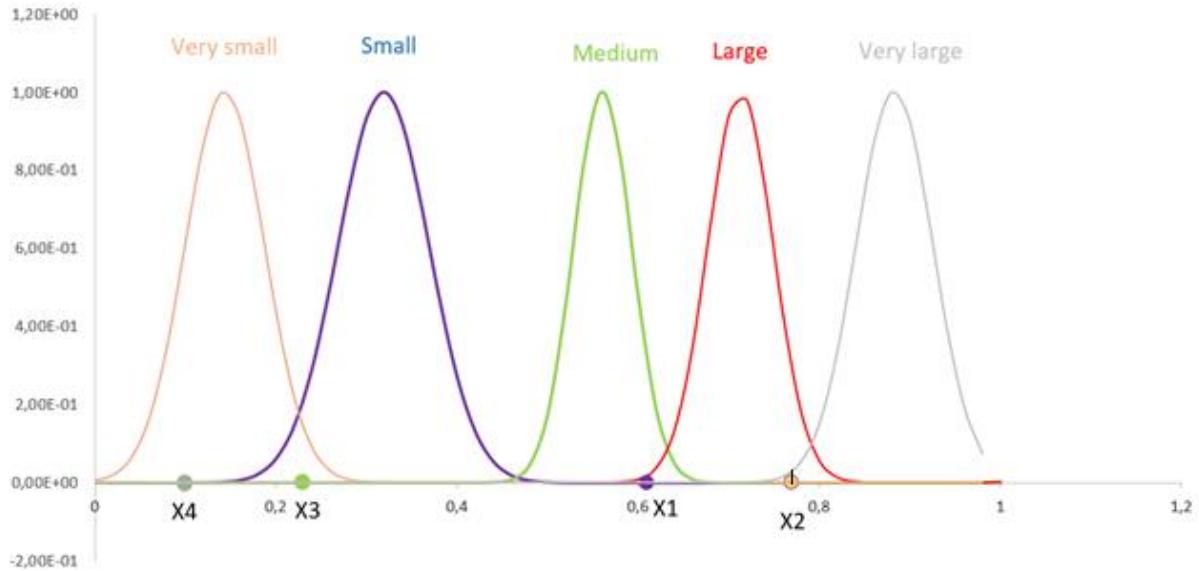
$$M1 = 0.311 \times 0.2846 \times 0.21277 \times 0.3489 = 0.006584688849437219$$

Rule 2: if x_1 = large, if x_2 = large, if x_3 = medium, if x_4 = 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 = very large, if x_2 = very large, if x_3 = very large, if x_4 = large



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

$$y = 0.006584688849437219 / 0.006584688849437219 = 1$$