

Kimberly Roeten

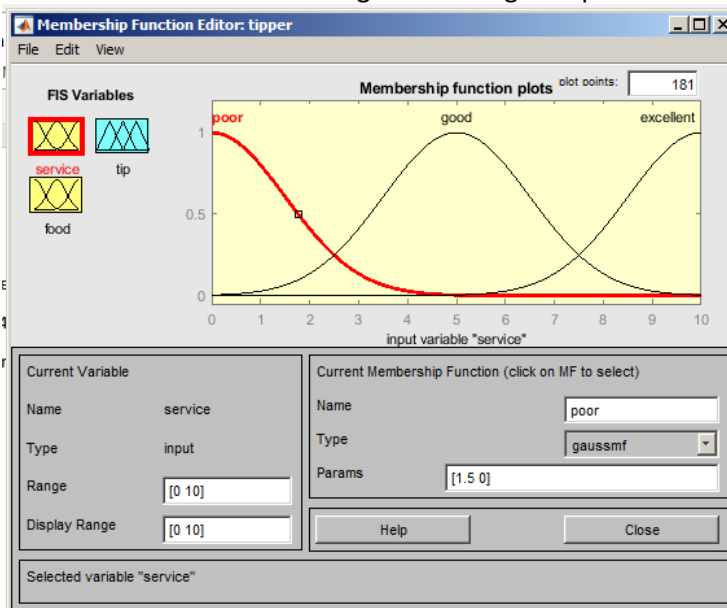
CIS 445-01: Data Mining

November 28, 2017

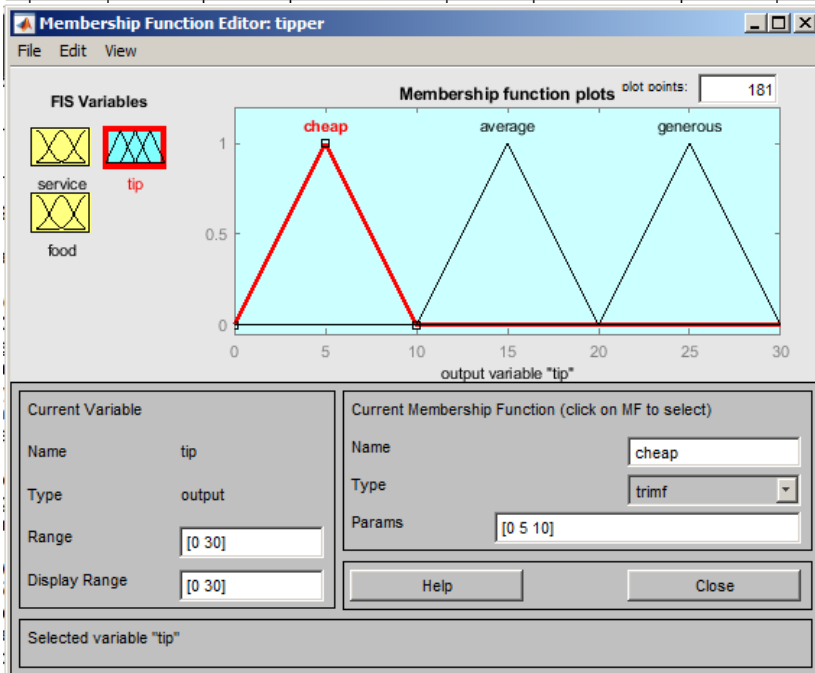
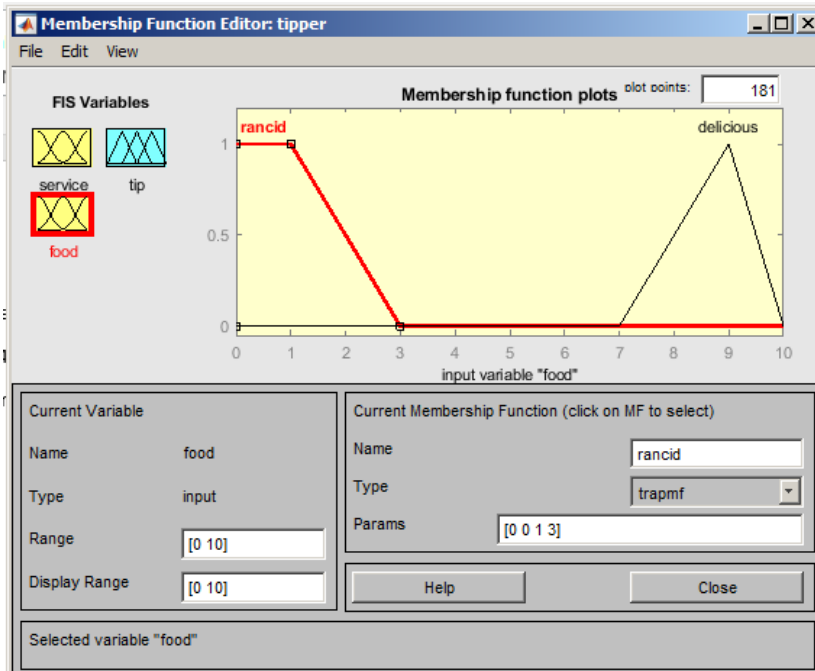
Tutorial 4 Report

Case #			OR version		AND version	
	Service	Food	Rule(s) Fired: 1, 2, 3, 1&2, 1&3, 2&3, or 1&2&3	Tip	Rule(s) Fired: 1, 2, 3, 1&2, 1&3, 2&3, or 1&2&3	Tip
1	5	5	2	15	2	15
2	1	1	1	5.54	1, 1	5.56
3	10	10	3	24.9	3	15
4	3	5	1&2	12.2	1&2	15
5	7	3	2&3	17.8	2&3	15
6	5	9	2, 3	19.9	2, 3	15.1
7	1	8	1, 3	13.8	1, 3	15
8	3	8	1&2, 3	18	1&2, 3	15

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- Starting off, I was a little confused on which software we were using for this tutorial because I was convinced this tutorial would be regarding Weka. So trying to establish that took a little while, but overall, once I got where the tutorial part actually started in the pdf file, the instructions were pretty straightforward. They were more numbered out this time, and important details were in bold, so finding them was much easier. Trying to figure out what rules you wanted entered and how to enter them was a challenge. On a scale of 1 to 10, in terms of getting students like myself acquainted with the software, it was an 8. In terms of the results, the system that I believe it better is the one with the OR operator, because if you consider two things equally, they may not produce the best results overall, with the or operator you only consider one. The OR version generates higher tips for the most part.



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Rule Editor: tipper

File Edit View Options

1. If (service is poor) or (food is rancid) then (tip is cheap) (1)
 2. If (service is good) then (tip is average) (1)
 3. If (service is excellent) or (food is delicious) then (tip is generous) (1)

If service is and food is Then tip is

poor good excellent none rancid delicious none cheap average generous none

☐ not ☐ not ☐ not

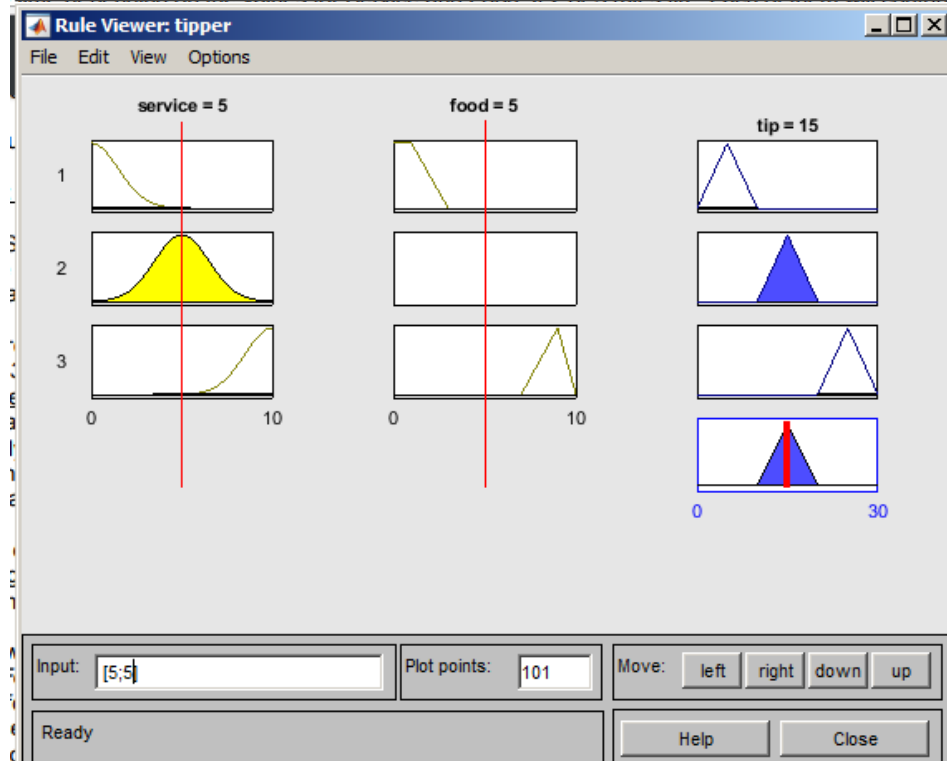
Connection: ☐ or ☒ and Weight: 1

Delete rule Add rule Change rule << >>

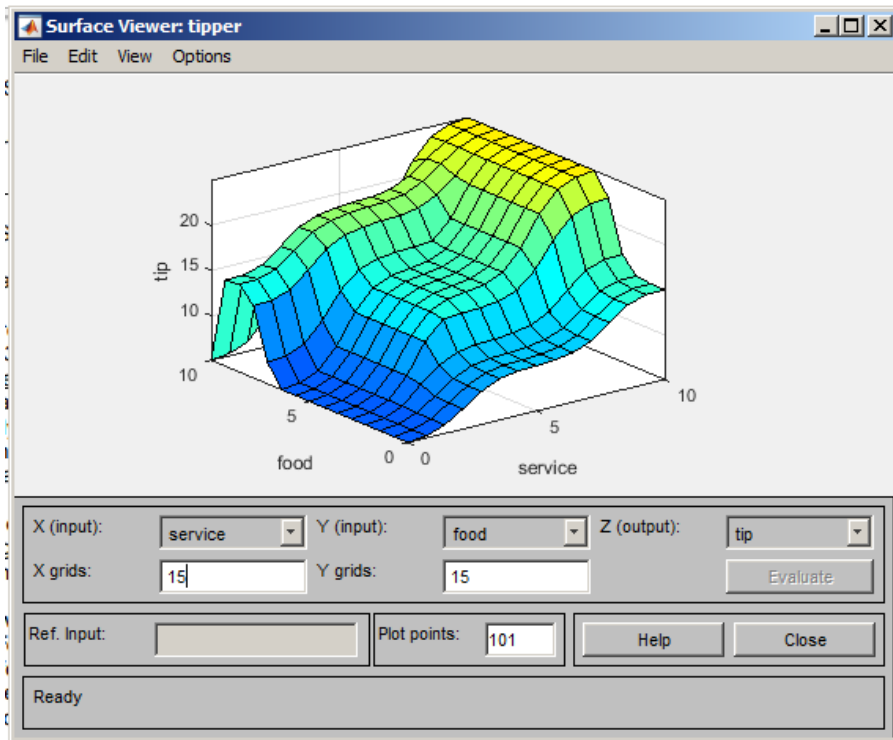
The rule is deleted

Help Close

4.



time depending on the values for service and food. If 2 or 3 rules fire, each of them will contribute



Rule Editor: tipper

File Edit View Options

1. If (service is poor) and (food is rancid) then (tip is cheap) (1)
2. If (service is good) then (tip is average) (1)
3. If (service is excellent) and (food is delicious) then (tip is generous) (1)

If service is and food is Then tip is

poor rancid cheap
good delicious average
excellent none generous
none

☐ not ☐ not ☐ not

Connection Weight: 1 Delete rule Add rule Change rule << >>

☐ or ☒ and

The rule is changed Help Close

