|  |
| --- |
| **Supervised Learning 1 (C4.5)** |

|  |
| --- |
| **Parameters** |

|  |  |
| --- | --- |
| **Decision tree (C4.5) parameters** | |
| Min size of leaves | 300 |
| Confidence-level for pessimistic | 0,25 |

|  |
| --- |
| **Results** |

**Classifier performances**

|  |  |
| --- | --- |
| **Error rate** | 0,1200 |
| **Values prediction** | **Confusion matrix** |
| |  |  |  | | --- | --- | --- | | **Value** | **Recall** | **1-Precision** | | **c\_som\_1\_1** | 0,5432 | 0,1440 | | **c\_som\_1\_2** | 0,8612 | 0,0721 | | **c\_som\_2\_1** | 0,8888 | 0,1885 | | **c\_som\_2\_2** | 0,9685 | 0,1270 | | **c\_som\_3\_1** | 0,8864 | 0,1320 | | **c\_som\_3\_2** | 0,8306 | 0,0849 | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | **c\_som\_1\_1** | **c\_som\_1\_2** | **c\_som\_2\_1** | **c\_som\_2\_2** | **c\_som\_3\_1** | **c\_som\_3\_2** | **Sum** | | **c\_som\_1\_1** | 547 | 31 | 209 | 85 | 109 | 26 | 1007 | | **c\_som\_1\_2** | 83 | 2791 | 4 | 358 | 4 | 1 | 3241 | | **c\_som\_2\_1** | 0 | 96 | 1847 | 27 | 2 | 106 | 2078 | | **c\_som\_2\_2** | 7 | 55 | 12 | 5601 | 32 | 76 | 5783 | | **c\_som\_3\_1** | 1 | 33 | 99 | 20 | 1256 | 8 | 1417 | | **c\_som\_3\_2** | 1 | 2 | 105 | 325 | 44 | 2339 | 2816 | | **Sum** | 639 | 3008 | 2276 | 6416 | 1447 | 2556 | 16342 | |

**Classifier characteristics**

**Data description**

|  |  |
| --- | --- |
| **Target attribute** | Cluster\_SOM\_1 (6 values) |
| **# descriptors** | 11 |

**Tree description**

|  |  |
| --- | --- |
| Number of nodes | 17 |
| Number of leaves | 9 |

**Decision tree**

* Presion al nivel de la estacion (hpa) < 978,7500
  + Temperatura Minima (Celsisus) < 8,7500 then Cluster\_SOM\_1 = **c\_som\_2\_1** (81,15 % of 2276 examples)
  + Temperatura Minima (Celsisus) >= 8,7500
    - Presion al nivel de la estacion (hpa) < 961,0500 then Cluster\_SOM\_1 = **c\_som\_3\_2** (93,60 % of 2109 examples)
    - Presion al nivel de la estacion (hpa) >= 961,0500
      * Mḩmo viento sostenido (m/s) < 5,9500 then Cluster\_SOM\_1 = **c\_som\_2\_2** (58,55 % of 579 examples)
      * Mḩmo viento sostenido (m/s) >= 5,9500 then Cluster\_SOM\_1 = **c\_som\_3\_2** (81,66 % of 447 examples)
* Presion al nivel de la estacion (hpa) >= 978,7500
  + Visibilidad en km < 21,6500
    - Temperatura Minima (Celsisus) < 9,0500
      * Mḩmo viento sostenido (m/s) < 10,5500
        + Temperatura de rocio < 9,2500 then Cluster\_SOM\_1 = **c\_som\_1\_2** (92,79 % of 3008 examples)
        + Temperatura de rocio >= 9,2500 then Cluster\_SOM\_1 = **c\_som\_2\_2** (54,90 % of 490 examples)
      * Mḩmo viento sostenido (m/s) >= 10,5500 then Cluster\_SOM\_1 = **c\_som\_1\_1** (85,60 % of 639 examples)
    - Temperatura Minima (Celsisus) >= 9,0500 then Cluster\_SOM\_1 = **c\_som\_2\_2** (93,38 % of 5347 examples)
  + Visibilidad en km >= 21,6500 then Cluster\_SOM\_1 = **c\_som\_3\_1** (86,80 % of 1447 examples)

Computation time : 156 ms.  
Created at 03/12/2013 11:22:44

|  |
| --- |
| **Group characterization 1** |

|  |
| --- |
| **Parameters** |

Normalization : 0

|  |
| --- |
| **Results** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Description of "Cluster\_SOM\_1"** | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_1\_1** | | | | | Examples | | [ 6,2 %] 1007 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Mḩmo viento sostenido (m/s) | 72,35 | 14,13 (2,59) | 6,88 (3,28) | | Fecha | 9,83 | 10682,28 (263,97) | 10592,11 (300,48) | | Visibilidad en km | 8,62 | 16,65 (5,05) | 15,00 (6,24) | | Presion al nivel de la estacion (hpa) | 1,83 | 988,68 (22,65) | 987,14 (27,59) | | Temperatura Minima (Celsisus) | -26,72 | 4,09 (4,36) | 9,92 (7,15) | | Temperatura media diaria | -32,80 | 9,45 (4,85) | 16,43 (6,97) | | Temperatura de rocio | -34,45 | 0,75 (4,02) | 8,45 (7,32) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=Ushuaia | 47,01 | [  70,4 %]   21,3 % | 1,9 % | | Provincia=Santa\_Cruz | 33,47 | [  38,2 %]   23,0 % | 3,7 % | | Provincia=Chubut | 13,32 | [  16,3 %]   15,3 % | 5,8 % | | Provincia=Catamarca | 1,05 | [   7,6 %]    2,4 % | 1,9 % | | Provincia=La\_Pampa | 0,49 | [   6,6 %]    4,1 % | 3,8 % | | Provincia=Neuquen | 0,15 | [   6,4 %]    2,0 % | 1,9 % | | Provincia=Rio\_Negro | -0,45 | [   5,8 %]    4,5 % | 4,8 % | | Provincia=Cordoba | -1,82 | [   5,2 %]    9,7 % | 11,5 % | | Provincia=San\_Juan | -2,25 | [   3,2 %]    1,0 % | 1,9 % | | Provincia=Santiago\_del\_Estero | -3,89 | [   0,9 %]    0,3 % | 1,9 % | | Provincia=Formosa | -3,89 | [   0,9 %]    0,3 % | 1,9 % | | Provincia=Tucuman | -3,99 | [   0,7 %]    0,2 % | 1,8 % | | Provincia=Buenos\_Aires | -4,53 | [   4,2 %]   10,4 % | 15,4 % | | Provincia=San\_Luis | -4,54 | [   1,9 %]    1,2 % | 3,9 % | | Provincia=Corrientes | -4,81 | [   1,5 %]    0,9 % | 3,6 % | | Provincia=La\_Rioja | -5,91 | [   0,5 %]    0,3 % | 3,7 % | | Provincia=Chaco | -6,05 | [   0,5 %]    0,3 % | 3,9 % | | Provincia=Salta | -6,18 | [   0,0 %]    0,0 % | 3,4 % | | Provincia=Entre\_Rios | -6,30 | [   1,4 %]    1,3 % | 5,8 % | | Provincia=Misiones | -6,41 | [   0,2 %]    0,1 % | 3,9 % | | Provincia=Mendoza | -7,53 | [   0,4 %]    0,4 % | 5,8 % | | Provincia=Santa\_Fe | -8,15 | [   0,9 %]    1,1 % | 7,7 % | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_1\_2** | | | | | Examples | | [ 19,8 %] 3241 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Presion al nivel de la estacion (hpa) | 48,17 | 1008,05 (10,72) | 987,14 (27,59) | | Fecha | 22,28 | 10697,41 (197,27) | 10592,11 (300,48) | | Mḩmo viento sostenido (m/s) | -12,62 | 6,23 (2,31) | 6,88 (3,28) | | Visibilidad en km | -24,90 | 12,56 (3,87) | 15,00 (6,24) | | Temperatura de rocio | -39,69 | 3,88 (4,15) | 8,45 (7,32) | | Temperatura Minima (Celsisus) | -56,29 | 3,59 (3,87) | 9,92 (7,15) | | Temperatura media diaria | -56,72 | 10,21 (3,74) | 16,43 (6,97) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=Buenos\_Aires | 42,09 | [  50,6 %]   39,3 % | 15,4 % | | Provincia=Neuquen | 9,39 | [  40,8 %]    3,9 % | 1,9 % | | Provincia=Santa\_Fe | 8,45 | [  28,9 %]   11,3 % | 7,7 % | | Provincia=La\_Pampa | 6,50 | [  30,0 %]    5,7 % | 3,8 % | | Provincia=Entre\_Rios | 5,09 | [  26,2 %]    7,7 % | 5,8 % | | Provincia=Santiago\_del\_Estero | 4,18 | [  29,1 %]    2,8 % | 1,9 % | | Provincia=Ushuaia | 2,14 | [  24,7 %]    2,3 % | 1,9 % | | Provincia=Corrientes | 0,92 | [  21,3 %]    3,9 % | 3,6 % | | Provincia=Santa\_Cruz | -0,35 | [  19,3 %]    3,6 % | 3,7 % | | Provincia=Chaco | -1,22 | [  17,9 %]    3,5 % | 3,9 % | | Provincia=Formosa | -3,51 | [  12,0 %]    1,2 % | 1,9 % | | Provincia=Misiones | -5,75 | [  10,9 %]    2,1 % | 3,9 % | | Provincia=Chubut | -5,78 | [  12,6 %]    3,7 % | 5,8 % | | Provincia=Cordoba | -7,25 | [  13,6 %]    7,9 % | 11,5 % | | Provincia=Tucuman | -8,55 | [   0,3 %]    0,0 % | 1,8 % | | Provincia=Catamarca | -8,94 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=San\_Juan | -8,94 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Salta | -10,59 | [   2,3 %]    0,4 % | 3,4 % | | Provincia=La\_Rioja | -12,36 | [   0,2 %]    0,0 % | 3,7 % | | Provincia=Rio\_Negro | -12,56 | [   2,3 %]    0,6 % | 4,8 % | | Provincia=San\_Luis | -12,74 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Mendoza | -15,71 | [   0,0 %]    0,0 % | 5,8 % | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_2\_1** | | | | | Examples | | [ 12,7 %] 2078 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Fecha | 20,11 | 10715,98 (172,31) | 10592,11 (300,48) | | Visibilidad en km | 4,47 | 15,58 (4,76) | 15,00 (6,24) | | Mḩmo viento sostenido (m/s) | -18,17 | 5,66 (2,52) | 6,88 (3,28) | | Temperatura media diaria | -39,16 | 10,84 (4,25) | 16,43 (6,97) | | Temperatura Minima (Celsisus) | -45,51 | 3,25 (4,05) | 9,92 (7,15) | | Temperatura de rocio | -53,94 | 0,35 (4,42) | 8,45 (7,32) | | Presion al nivel de la estacion (hpa) | -63,63 | 951,15 (18,12) | 987,14 (27,59) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=Mendoza | 36,96 | [  51,7 %]   23,4 % | 5,8 % | | Provincia=San\_Luis | 22,88 | [  42,5 %]   12,9 % | 3,9 % | | Provincia=San\_Juan | 19,01 | [  47,9 %]    7,3 % | 1,9 % | | Provincia=La\_Rioja | 16,17 | [  34,2 %]   10,0 % | 3,7 % | | Provincia=Cordoba | 12,95 | [  22,1 %]   20,0 % | 11,5 % | | Provincia=Chubut | 10,31 | [  23,5 %]   10,7 % | 5,8 % | | Provincia=Catamarca | 8,63 | [  28,7 %]    4,4 % | 1,9 % | | Provincia=Tucuman | 5,57 | [  23,3 %]    3,4 % | 1,8 % | | Provincia=Neuquen | 2,41 | [  17,2 %]    2,6 % | 1,9 % | | Provincia=Salta | 0,34 | [  13,2 %]    3,6 % | 3,4 % | | Provincia=Ushuaia | -5,15 | [   3,0 %]    0,4 % | 1,9 % | | Provincia=Formosa | -6,85 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Santiago\_del\_Estero | -6,85 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Rio\_Negro | -8,59 | [   2,7 %]    1,0 % | 4,8 % | | Provincia=Santa\_Cruz | -8,96 | [   0,8 %]    0,2 % | 3,7 % | | Provincia=La\_Pampa | -9,31 | [   0,5 %]    0,1 % | 3,8 % | | Provincia=Corrientes | -9,49 | [   0,0 %]    0,0 % | 3,6 % | | Provincia=Chaco | -9,77 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Misiones | -9,79 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Entre\_Rios | -12,09 | [   0,0 %]    0,0 % | 5,8 % | | Provincia=Santa\_Fe | -14,13 | [   0,0 %]    0,0 % | 7,7 % | | Provincia=Buenos\_Aires | -20,84 | [   0,0 %]    0,0 % | 15,4 % | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_2\_2** | | | | | Examples | | [ 35,4 %] 5783 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Temperatura de rocio | 85,36 | 15,05 (3,81) | 8,45 (7,32) | | Temperatura Minima (Celsisus) | 71,04 | 15,29 (4,16) | 9,92 (7,15) | | Temperatura media diaria | 62,83 | 21,06 (4,11) | 16,43 (6,97) | | Presion al nivel de la estacion (hpa) | 46,81 | 1000,79 (12,49) | 987,14 (27,59) | | Mḩmo viento sostenido (m/s) | -22,61 | 6,10 (2,50) | 6,88 (3,28) | | Fecha | -27,11 | 10506,01 (322,80) | 10592,11 (300,48) | | Visibilidad en km | -44,61 | 12,06 (3,76) | 15,00 (6,24) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=Santa\_Fe | 26,96 | [  70,2 %]   15,4 % | 7,7 % | | Provincia=Misiones | 26,28 | [  84,4 %]    9,2 % | 3,9 % | | Provincia=Entre\_Rios | 24,50 | [  72,4 %]   11,8 % | 5,8 % | | Provincia=Chaco | 24,39 | [  81,0 %]    8,8 % | 3,9 % | | Provincia=Corrientes | 21,39 | [  76,5 %]    7,9 % | 3,6 % | | Provincia=Formosa | 19,15 | [  86,4 %]    4,7 % | 1,9 % | | Provincia=Santiago\_del\_Estero | 12,14 | [  67,7 %]    3,7 % | 1,9 % | | Provincia=Buenos\_Aires | 10,64 | [  44,7 %]   19,5 % | 15,4 % | | Provincia=Salta | 4,80 | [  44,9 %]    4,4 % | 3,4 % | | Provincia=La\_Pampa | -4,72 | [  26,5 %]    2,8 % | 3,8 % | | Provincia=Neuquen | -5,61 | [  20,4 %]    1,1 % | 1,9 % | | Provincia=Tucuman | -6,11 | [  18,7 %]    1,0 % | 1,8 % | | Provincia=Cordoba | -12,11 | [  22,8 %]    7,4 % | 11,5 % | | Provincia=Ushuaia | -12,54 | [   1,3 %]    0,1 % | 1,9 % | | Provincia=San\_Juan | -13,31 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Catamarca | -13,31 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Santa\_Cruz | -17,72 | [   1,6 %]    0,2 % | 3,7 % | | Provincia=La\_Rioja | -18,03 | [   1,0 %]    0,1 % | 3,7 % | | Provincia=Rio\_Negro | -18,08 | [   5,1 %]    0,7 % | 4,8 % | | Provincia=Chubut | -18,56 | [   7,4 %]    1,2 % | 5,8 % | | Provincia=San\_Luis | -18,79 | [   0,3 %]    0,0 % | 3,9 % | | Provincia=Mendoza | -23,37 | [   0,0 %]    0,0 % | 5,8 % | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_3\_1** | | | | | Examples | | [ 8,7 %] 1417 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Visibilidad en km | 86,01 | 28,64 (2,46) | 15,00 (6,24) | | Presion al nivel de la estacion (hpa) | 23,49 | 1003,60 (15,03) | 987,14 (27,59) | | Mḩmo viento sostenido (m/s) | 12,46 | 7,92 (2,80) | 6,88 (3,28) | | Fecha | 6,95 | 10645,13 (296,57) | 10592,11 (300,48) | | Temperatura media diaria | -21,01 | 12,71 (5,74) | 16,43 (6,97) | | Temperatura Minima (Celsisus) | -24,89 | 5,40 (5,54) | 9,92 (7,15) | | Temperatura de rocio | -28,75 | 3,10 (5,08) | 8,45 (7,32) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=Rio\_Negro | 74,35 | [  81,9 %]   45,0 % | 4,8 % | | Provincia=Santa\_Cruz | 27,83 | [  39,9 %]   17,1 % | 3,7 % | | Provincia=Chubut | 27,83 | [  33,4 %]   22,3 % | 5,8 % | | Provincia=La\_Pampa | 15,63 | [  26,0 %]   11,4 % | 3,8 % | | Provincia=Ushuaia | -5,01 | [   0,7 %]    0,1 % | 1,9 % | | Provincia=Neuquen | -5,31 | [   0,3 %]    0,1 % | 1,9 % | | Provincia=Formosa | -5,33 | [   0,3 %]    0,1 % | 1,9 % | | Provincia=Tucuman | -5,39 | [   0,0 %]    0,0 % | 1,8 % | | Provincia=Santiago\_del\_Estero | -5,53 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Catamarca | -5,54 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=San\_Juan | -5,54 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Corrientes | -7,22 | [   0,5 %]    0,2 % | 3,6 % | | Provincia=Chaco | -7,31 | [   0,6 %]    0,3 % | 3,9 % | | Provincia=Salta | -7,43 | [   0,0 %]    0,0 % | 3,4 % | | Provincia=La\_Rioja | -7,58 | [   0,2 %]    0,1 % | 3,7 % | | Provincia=San\_Luis | -7,89 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Misiones | -7,91 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Mendoza | -9,73 | [   0,0 %]    0,0 % | 5,8 % | | Provincia=Entre\_Rios | -9,76 | [   0,0 %]    0,0 % | 5,8 % | | Provincia=Cordoba | -9,93 | [   2,6 %]    3,5 % | 11,5 % | | Provincia=Santa\_Fe | -11,41 | [   0,0 %]    0,0 % | 7,7 % | | Provincia=Buenos\_Aires | -16,82 | [   0,0 %]    0,0 % | 15,4 % | | |  |  |  |  | | --- | --- | --- | --- | | **Cluster\_SOM\_1=c\_som\_3\_2** | | | | | Examples | | [ 17,2 %] 2816 | | | Att - Desc | Test value | Group | Overral | | Continuous attributes : Mean (StdDev) | | | | | Temperatura media diaria | 51,41 | 22,57 (4,37) | 16,43 (6,97) | | Temperatura Minima (Celsisus) | 45,19 | 15,46 (4,28) | 9,92 (7,15) | | Temperatura de rocio | 24,78 | 11,55 (4,58) | 8,45 (7,32) | | Visibilidad en km | 9,25 | 15,99 (5,54) | 15,00 (6,24) | | Mḩmo viento sostenido (m/s) | 2,64 | 7,03 (3,22) | 6,88 (3,28) | | Fecha | -18,38 | 10497,44 (348,78) | 10592,11 (300,48) | | Presion al nivel de la estacion (hpa) | -72,66 | 952,77 (16,34) | 987,14 (27,59) | | Discrete attributes : [Recall] Accuracy | | | | | Provincia=La\_Rioja | 31,02 | [  64,0 %]   13,7 % | 3,7 % | | Provincia=San\_Luis | 25,83 | [  55,3 %]   12,4 % | 3,9 % | | Provincia=Mendoza | 25,62 | [  47,9 %]   16,0 % | 5,8 % | | Provincia=Catamarca | 22,13 | [  63,7 %]    7,2 % | 1,9 % | | Provincia=Cordoba | 20,13 | [  33,7 %]   22,5 % | 11,5 % | | Provincia=Tucuman | 18,41 | [  57,0 %]    6,1 % | 1,8 % | | Provincia=San\_Juan | 15,07 | [  48,9 %]    5,5 % | 1,9 % | | Provincia=Salta | 14,26 | [  39,6 %]    7,9 % | 3,4 % | | Provincia=Neuquen | -1,07 | [  15,0 %]    1,7 % | 1,9 % | | Provincia=La\_Pampa | -4,63 | [  10,3 %]    2,3 % | 3,8 % | | Provincia=Santiago\_del\_Estero | -7,14 | [   2,2 %]    0,2 % | 1,9 % | | Provincia=Ushuaia | -8,03 | [   0,0 %]    0,0 % | 1,9 % | | Provincia=Formosa | -8,04 | [   0,3 %]    0,0 % | 1,9 % | | Provincia=Misiones | -8,60 | [   4,6 %]    1,0 % | 3,9 % | | Provincia=Chubut | -8,70 | [   6,9 %]    2,3 % | 5,8 % | | Provincia=Corrientes | -11,24 | [   0,2 %]    0,0 % | 3,6 % | | Provincia=Santa\_Cruz | -11,35 | [   0,2 %]    0,0 % | 3,7 % | | Provincia=Rio\_Negro | -11,39 | [   2,2 %]    0,6 % | 4,8 % | | Provincia=Chaco | -11,68 | [   0,0 %]    0,0 % | 3,9 % | | Provincia=Entre\_Rios | -14,45 | [   0,0 %]    0,0 % | 5,8 % | | Provincia=Santa\_Fe | -16,90 | [   0,0 %]    0,0 % | 7,7 % | | Provincia=Buenos\_Aires | -24,11 | [   0,6 %]    0,5 % | 15,4 % | | |

Computation time : 0 ms.  
Created at 03/12/2013 11:22:53