

@RELATION conjunto_entrenamiento_datos

@ATTRIBUTE kpi_tiket_medio REAL

@ATTRIBUTE kpi_cifra_ventas REAL

@ATTRIBUTE kpi_margen_comercial REAL

@ATTRIBUTE kpi_rotacion_stock REAL

@ATTRIBUTE kpi_coef_rentabilidad REAL

@ATTRIBUTE kpi_cobertura_stock REAL

@ATTRIBUTE cantidad REAL

@ATTRIBUTE kpi_anho REAL

@ATTRIBUTE kpi_mes REAL

@ATTRIBUTE kpi_semana REAL

@ATTRIBUTE resultado {'Nada','Poco','Medio','Mucho'}

@DATA

6.412,488500,20.766,0.377,38194,18.000,109,2013,12,49,Nada

3.667,247500,23.094,0.191,10896,5.643,55,2013,12,50,Nada

1.375,49500,18.586,0.021,190,6.145,11,2013,12,51,Nada

1.222,49500,23.737,0.015,181,12.480,11,2013,12,52,Nada

0.667,9000,31.131,0.003,8,27.390,2,2013,12,53,Nada

1.000,13500,31.131,0.005,20,79.750,3,2014,1,1,Nada

1.000,18000,20.727,0.008,30,111.188,4,2014,1,2,Nada

1.000,13500,23.737,0.009,29,131.000,3,2014,1,3,Nada

1.333,18000,16.655,0.018,54,78.300,4,2014,1,4,Nada

4.500,324000,31.145,0.389,39273,2.415,72,2015,10,42,Poco

5.370,652500,31.145,0.876,178047,3.778,145,2015,10,43,Nada

3.167,85500,31.145,0.110,2916,1.061,19,2015,10,44,Poco

4.300,193500,31.145,0.185,11146,3.229,43,2015,11,45,Nada

3.818,189000,31.145,0.221,13012,3.058,42,2015,11,46,Nada

4.786,238500,12.957,0.161,4977,4.875,67,2015,11,47,Nada

6.923,630000,11.472,0.314,22703,13.086,180,2015,11,48,Nada

5.407,511000,11.472,0.327,19190,5.014,146,2015,11,49,Nada

6.098,875000,11.472,0.880,88362,3.122,250,2015,12,50,Poco

6.806,738500,11.472,2.654,224854,0.828,211,2015,12,51,Medio
10.179,997500,11.455,1.588,181413,1.404,285,2015,12,53,Poco
7.037,665000,11.455,10.270,782312,0.154,190,2016,1,53,Medio
8.800,1078000,11.455,0.777,95919,0.221,308,2016,1,3,Medio
5.973,1568000,11.455,0.818,146832,7.588,448,2016,1,4,Nada
7.825,1095500,11.455,1.950,244714,1.258,313,2016,1,5,Poco
5.636,434000,11.455,0.193,9572,0.011,124,2016,2,6,Medio
6.595,854000,11.455,0.210,20506,4.353,244,2016,2,7,Poco
7.065,1137500,11.455,0.369,48093,4.599,325,2016,2,8,Poco
10.792,906500,11.455,0.441,45776,3.104,259,2016,2,9,Poco
6.968,756000,11.455,0.615,53290,1.659,216,2016,3,10,Poco
6.771,829500,11.455,1.888,179432,0.915,237,2016,3,11,Medio
8.250,577500,11.455,0.600,39690,0.029,165,2016,3,12,Medio
7.250,812000,11.455,0.543,50535,2.636,232,2016,3,13,Medio
5.750,805000,11.455,1.173,108204,1.472,230,2016,4,14,Poco
11.120,973000,11.454,1.823,203167,0.388,278,2016,4,15,Medio
7.276,738500,11.454,0.984,83210,0.908,211,2016,4,16,Medio
6.667,420000,11.455,0.242,11651,0.855,120,2016,4,17,Medio
7.886,966000,11.455,0.425,47056,3.872,276,2016,5,18,Poco
7.810,574000,11.455,0.381,25047,2.530,164,2016,5,19,Poco
7.345,745500,11.455,0.878,75005,1.870,213,2016,5,20,Poco
9.095,668500,11.455,1.394,106756,0.625,191,2016,5,21,Medio
6.821,668500,11.455,2.768,211965,0.729,191,2016,5,22,Medio
8.667,819000,11.455,0.352,33011,2.235,234,2016,6,24,Medio
6.286,308000,11.455,0.121,4259,4.282,88,2016,6,25,Nada
3.412,203000,11.455,0.149,3458,3.223,58,2016,6,26,Nada
1.143,28000,11.455,0.072,231,1.713,8,2016,7,27,Nada
7.600,532000,11.455,2.187,133275,0.097,152,2016,7,28,Medio
7.278,1001000,18.885,2.130,402667,1.844,262,2016,7,29,Poco
5.778,1248000,22.523,4.026,1131588,0.796,312,2016,7,30,Mucho
6.556,1416000,22.523,1.566,499550,0.178,354,2016,7,31,Medio
7.067,848000,22.523,0.700,133632,1.322,212,2016,8,32,Medio
6.300,756000,22.523,0.982,167176,0.673,189,2016,8,33,Medio

Matriz de confusión

		Predicción (B)				
		a = Nada	b = Poco	c = Medio	d = Mucho	
Real (A)	a = Nada	95	4	0	0	99
	b = Poco	2	17	4	0	23
	c = Medio	0	4	15	2	21
	d = Mucho	0	0	0	3	3
		97	25	19	5	130
		0,6644	0,1712	0,1301	0,0342	

Total Number of Instances	146
Correctly Classified Instances	130
Incorrectly Classified Instances	16

Exactitud	0,890	Exactitud = $(TP + TN) / (TP + TN + FP + FN)$	$(95+17+15+3) / (95+17+15+3+4+4+2+2+4)$
Precisión (Poco)	0,680	Precisión = $(TP) / (TP + FP)$	$(17) / (17+4+4)$
Sensibilidad o Recall (Poco)	0,739	Sensibilidad = $(TP) / (TP + FN)$	$(17) / (17+2+4)$
Medida F (Poco)	0,708	Medida = $(2 * Sensibilidad * Precision) / (Sensibilidad + Precision)$	$(2*0.739*0.680) / (0.739+0.680)$

$P(A-Nada)*P(B-Nada)$	0,451	La probabilidad de que ambos evaluadores digan "Nada" al azar.	
$P(A-Poco)*P(B-Poco)$	0,027	La probabilidad de que ambos evaluadores digan "Poco" al azar.	
$P(A-Medio)*P(B-Medio)$	0,019	La probabilidad de que ambos evaluadores digan "Medio" al azar.	
$P(A-Mucho)*P(B-Mucho)$	0,001	La probabilidad de que ambos evaluadores digan "Mucho" al azar.	
Pr(a)	0,890	$Pr(a) = (95+17+15+3) / (95+17+15+3+4+4+2+2+4)$	Pr(a) es el acuerdo observado relativo entre los observadores o el porcentaje de acuerdo observado.
Pr(e)	0,497	$Pr(e) = 0.451 + 0.027 + 0.019 + 0.001$	Pr(e) es la probabilidad de que el acuerdo entre evaluadores se deba al azar.
Kappa	0,782	$kappa = (Pr(a) - Pr(e)) / (1 - Pr(e))$	