

# SYNTHESE DE L'ANALYSE TYPOLOGIQUE

Résultats obtenus avec FactoQGIS : <https://github.com/ESO-Rennes/FactoQGIS>

Tableau récapitulatif des paramètres en entrée ==>

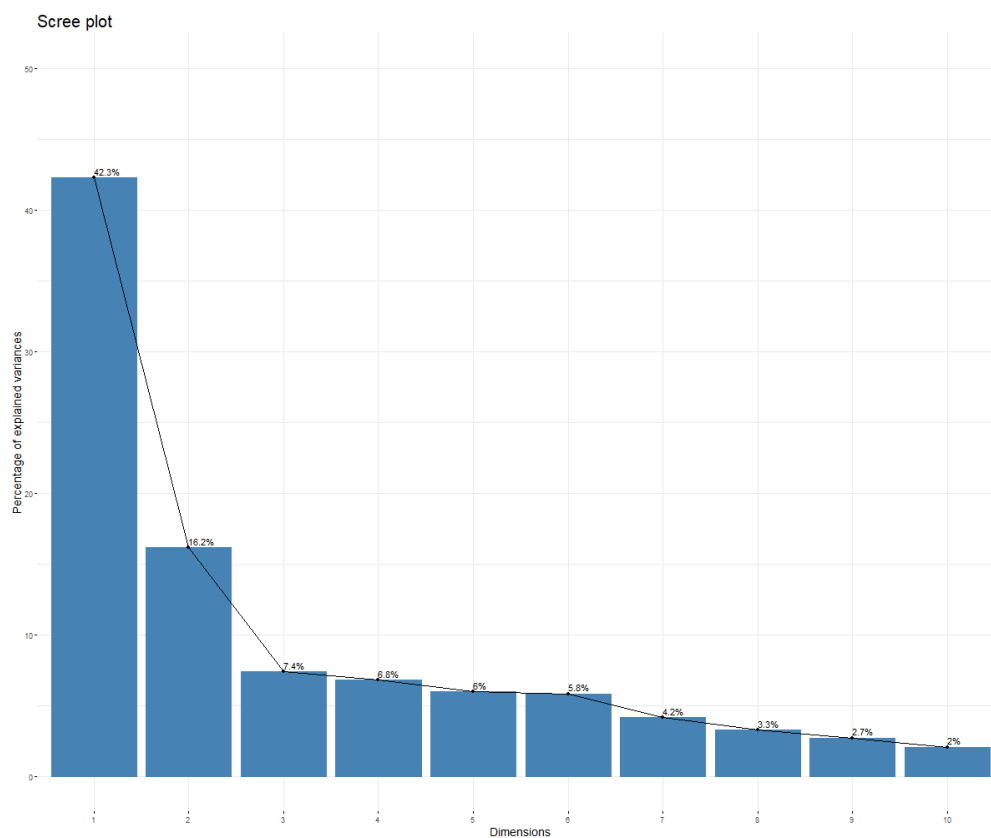
Parametre	Valeur
Espace de travail	C:/Users
Identifiant des unites spatiales	ID
Variables actives quantitatives	PENDIENTE, PCTHOGICS1, PCTHOGICS2, PCTHOGICS3, PCTHOGICS4, PCTHOGICS5, PCTHOGICS6, PCTESTR1, PCTESTR2, PCTESTR3, PCTESTR4, PCTESTR5, PCTESTR6, DISTCABLE, DISTMILENI, DISTCICLO
Variables quantitatives supplémentaires	Aucune
Variables qualitatives supplémentaires	NOM_UTAM
Centrer-reduire les variables	TRUE
Nb de facteurs pour l'ACP	5
Nb de classes pour la CAH	8
Nb de facteurs pour la CAH	5
Distance pour la CAH	euclidean
Methode d'agregation pour les classes	ward

Tableau des valeurs propres ==>

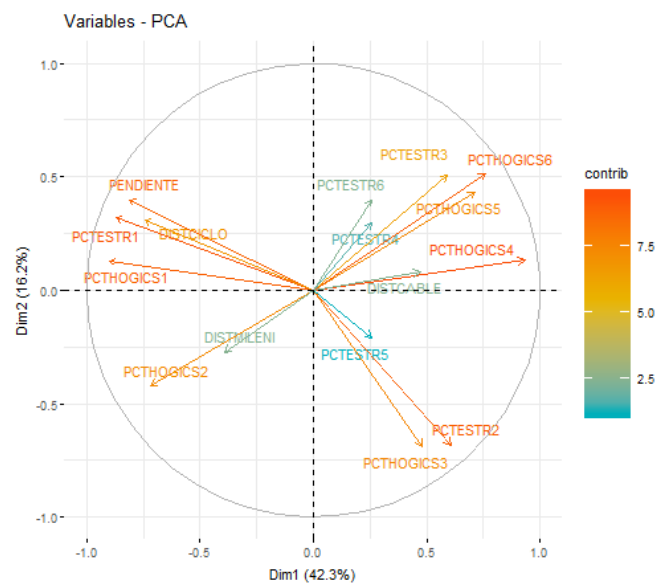
	eigenvalue	variance.percent	cumulative.variance.percent
Dim.1	6.77	42.28	42.28
Dim.2	2.58	16.15	58.44
Dim.3	1.18	7.38	65.81
Dim.4	1.09	6.81	72.62
Dim.5	0.95	5.97	78.59
Dim.6	0.93	5.84	84.43
Dim.7	0.67	4.16	88.59

Dim.8	0.52	3.27	91.86
Dim.9	0.44	2.72	94.58
Dim.10	0.33	2.05	96.63
Dim.11	0.19	1.19	97.82
Dim.12	0.15	0.96	98.78
Dim.13	0.12	0.75	99.53
Dim.14	0.08	0.47	100.00
Dim.15	0.00	0.00	100.00
Dim.16	0.00	0.00	100.00

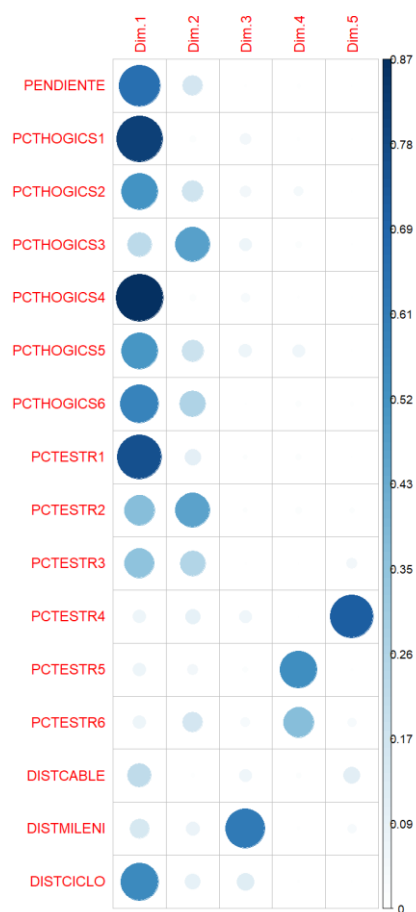
Graphe des gains d'inertie ==>



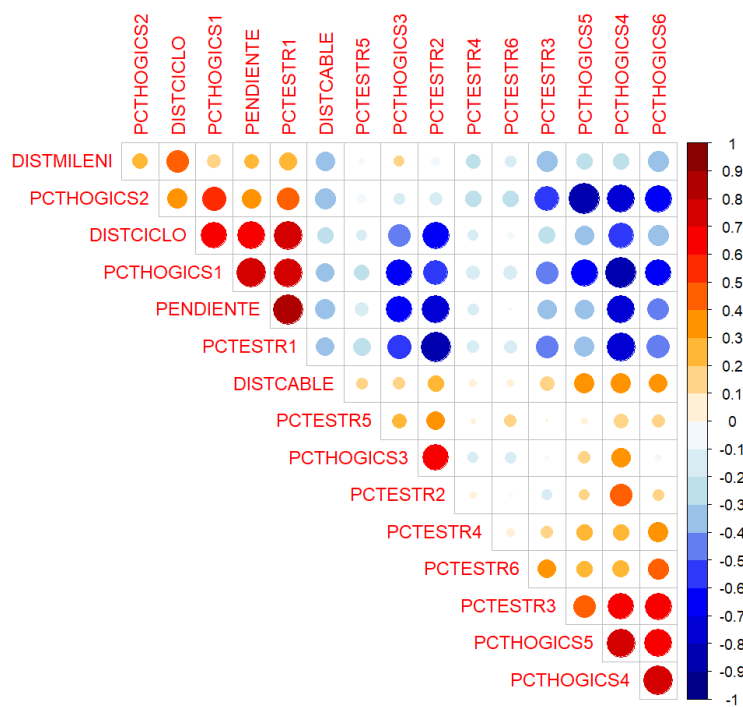
Graphe des variables (1er plan factoriel)  
et leur contribution aux axes ==>



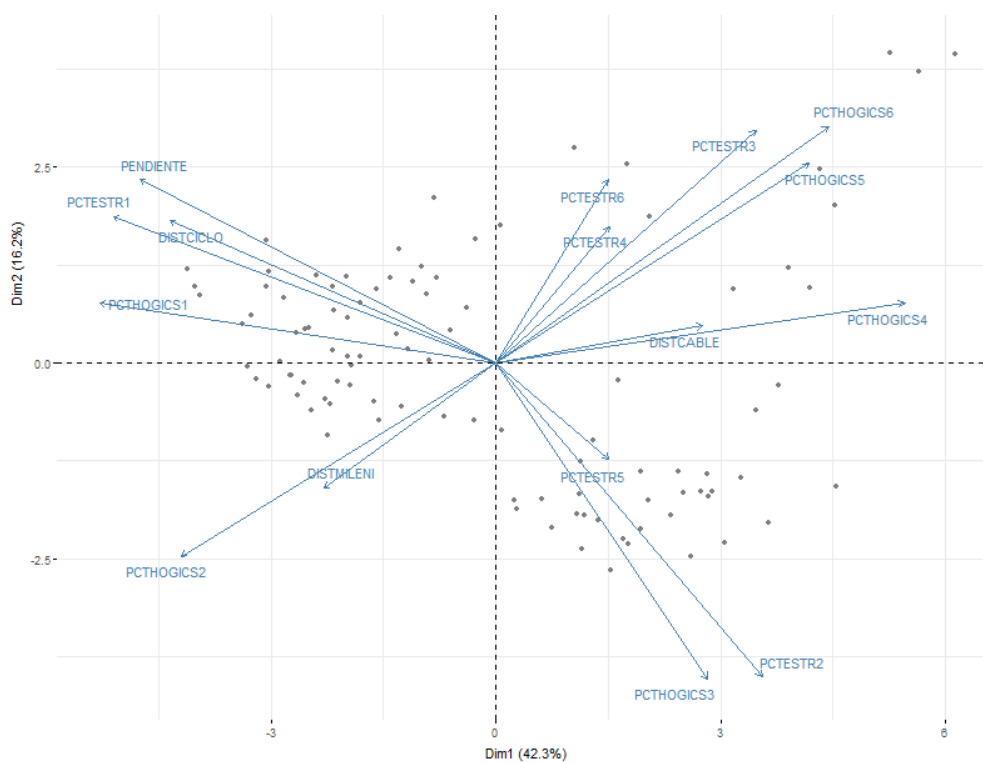
Qualité de représentation des variables (Cos2) ==>



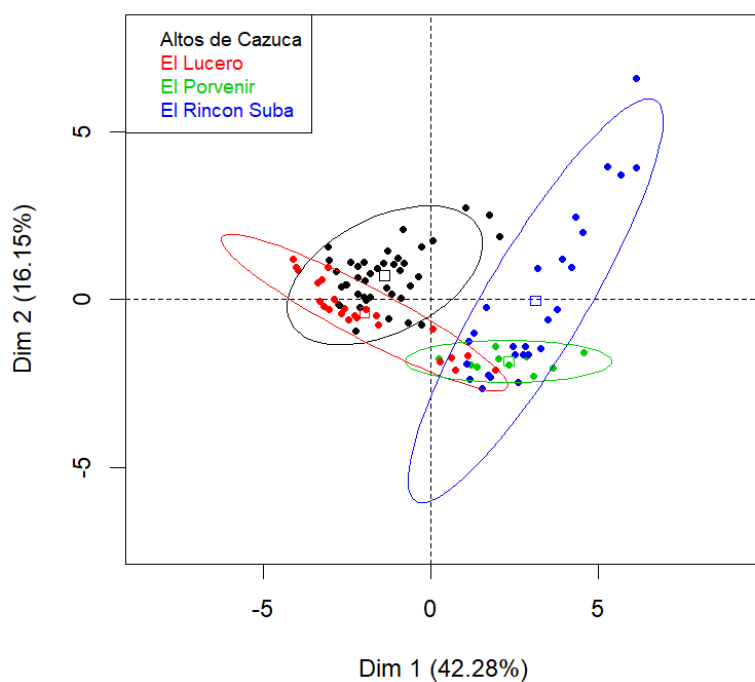
Matrice graphique des corrélations entre les variables ==>



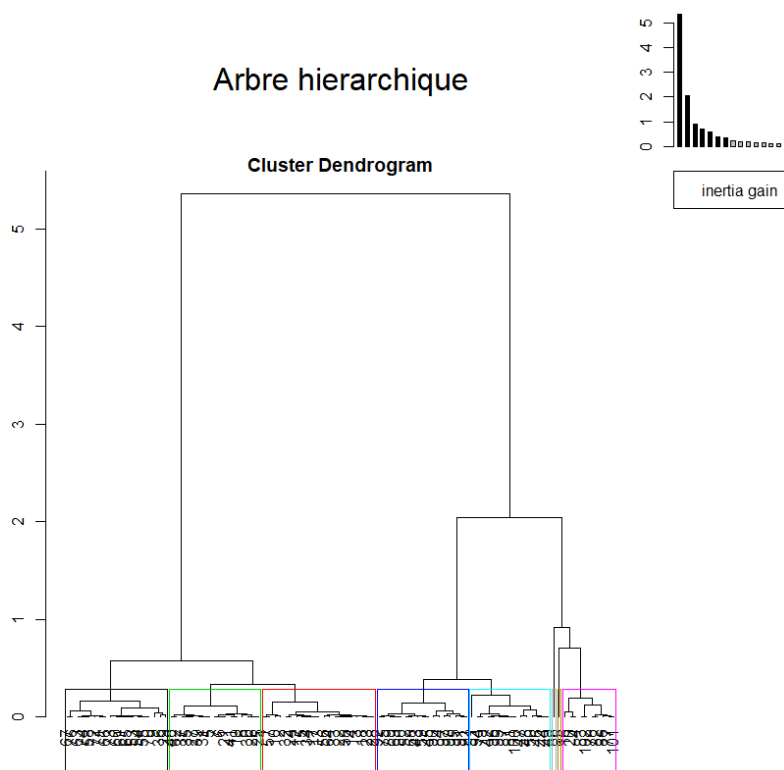
Graphe combiné des variables et des individus  
(1er plan factoriel) ==>



Graphe(s) des individus suivant la/les variable(s)  
qualitative(s) supplémentaire(s)  
(1er plan factoriel) ==>



Arbre hiérarchique  
(permet de choisir le nombre de classes à garder) ==>



Arbre hiérarchique sur le 1er plan factoriel ==>

## Hierarchical clustering on the factor map

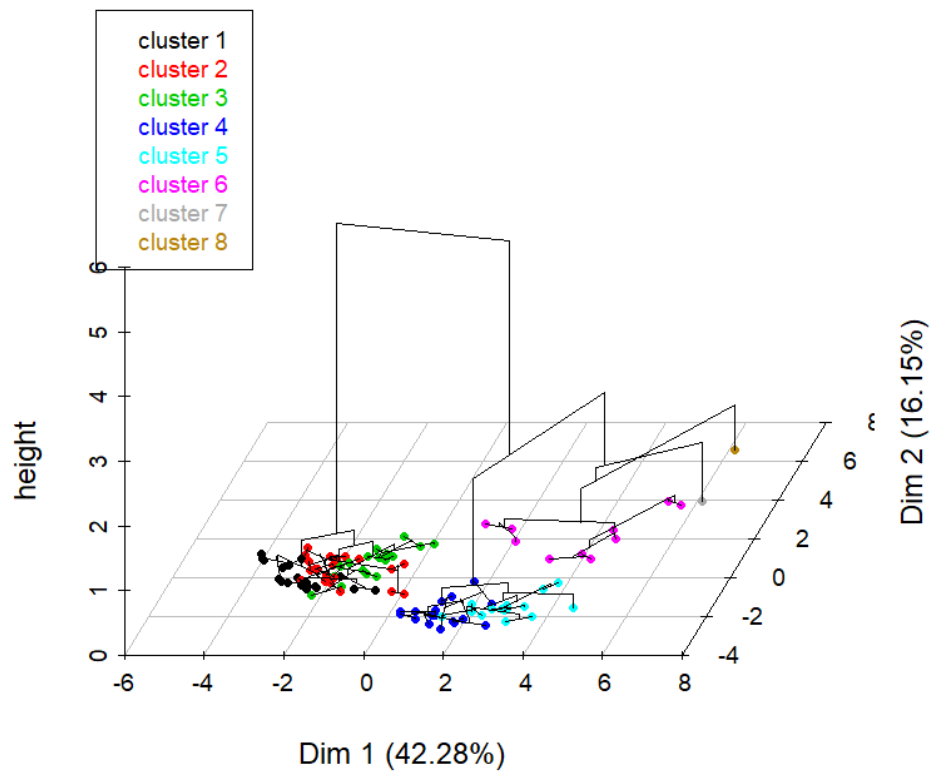
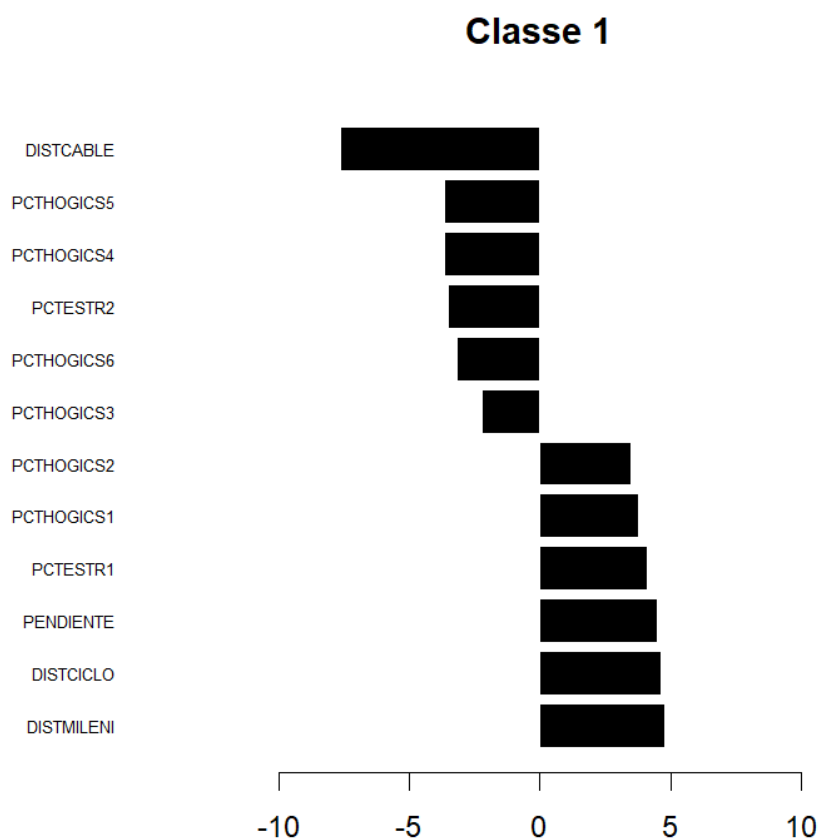


Tableau indiquant les effectifs par classe ==>

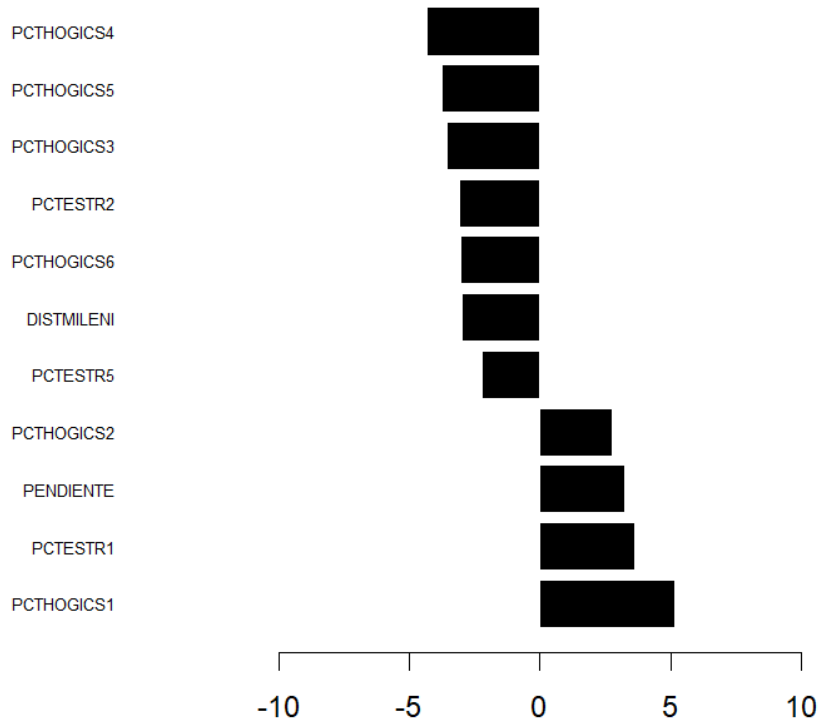
clust Count	
1	19
2	21
3	17
4	17
5	15
6	10
7	1
8	1

Graphiques et tableaux de description  
des classes par les variables ==>



	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
DISTMILENI	4.8	3780.00	2580.0	963.00	1200.0	0.0000015800000000
DISTCICLO	4.6	2250.00	1340.0	842.00	949.0	0.0000034200000000
PENDIENTE	4.5	14.80	8.8	4.45	6.4	0.0000067600000000
PCTESTR1	4.1	96.20	59.0	2.39	43.4	0.0000377000000000
PCTHOGICS1	3.8	31.90	22.6	7.65	11.8	0.0001480000000000
PCTHOGICS2	3.5	26.90	22.7	2.30	5.8	0.0004980000000000
PCTHOGICS3	-2.2	26.70	29.1	4.12	5.2	0.0263000000000000
PCTHOGICS6	-3.2	0.98	2.5	0.35	2.4	0.0015100000000000
PCTESTR2	-3.5	2.39	30.7	1.73	39.0	0.0004610000000000
PCTHOGICS4	-3.6	9.28	14.7	2.11	7.1	0.0002650000000000
PCTHOGICS5	-3.7	4.21	8.3	1.46	5.4	0.0002360000000000
DISTCABLE	-7.6	980.00	1750.0	565.00	487.0	0.0000000000000023

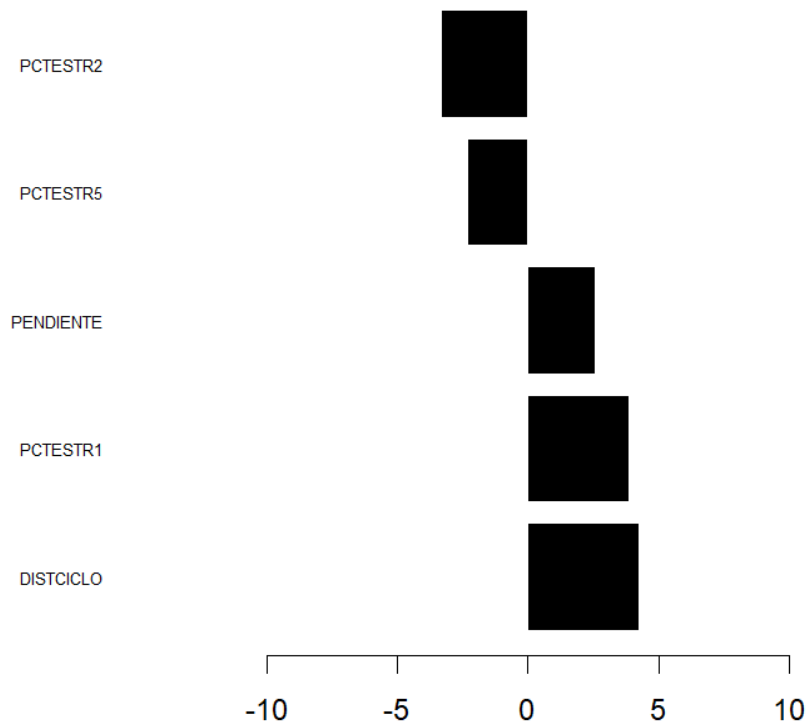
## Classe 2



	v.test		Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTHOGICS1	5.2	34.500	22.600	8.290	11.8	0.00000022	
PCTESTR1	3.6	89.800	59.000	10.400	43.4	0.00028200	
PENDIENTE	3.2	12.800	8.800	4.030	6.4	0.00117000	
PCTHOGICS2	2.8	25.900	22.700	3.830	5.8	0.00572000	
PCTESTR5	-2.2	0.011	0.056	0.037	0.1	0.02640000	
DISTMILENI	-3.0	1880.000	2580.000	550.000	1200.0	0.00295000	
PCTHOGICS6	-3.1	1.130	2.550	0.806	2.4	0.00221000	
PCTESTR2	-3.1	7.190	30.700	10.300	39.0	0.00196000	
PCTHOGICS3	-3.6	25.500	29.100	3.950	5.2	0.00033600	
PCTHOGICS5	-3.8	4.380	8.340	1.760	5.4	0.00017300	
PCTHOGICS4	-4.3	8.650	14.700	2.710	7.1	0.00001480	

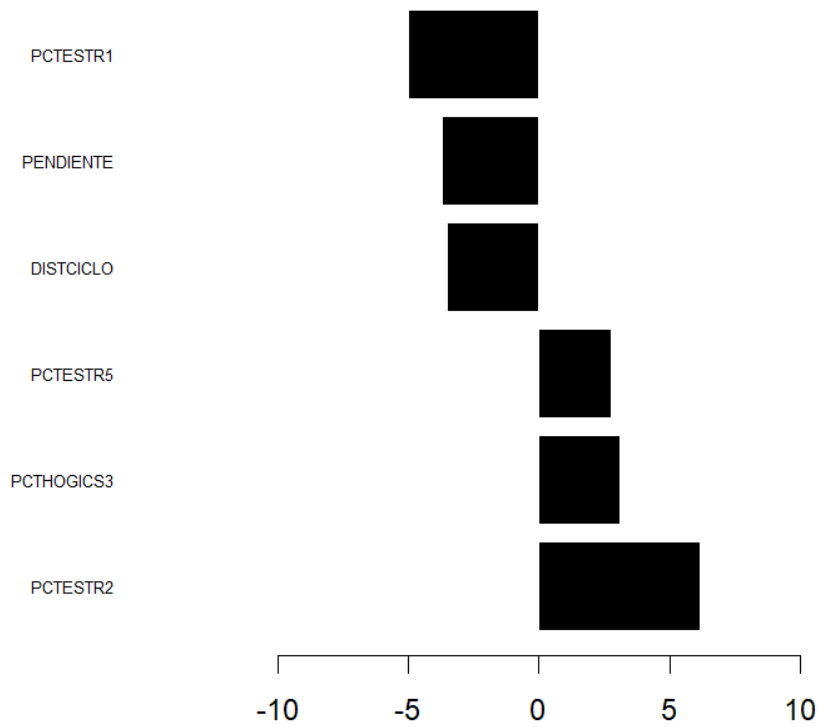


### Classe 3



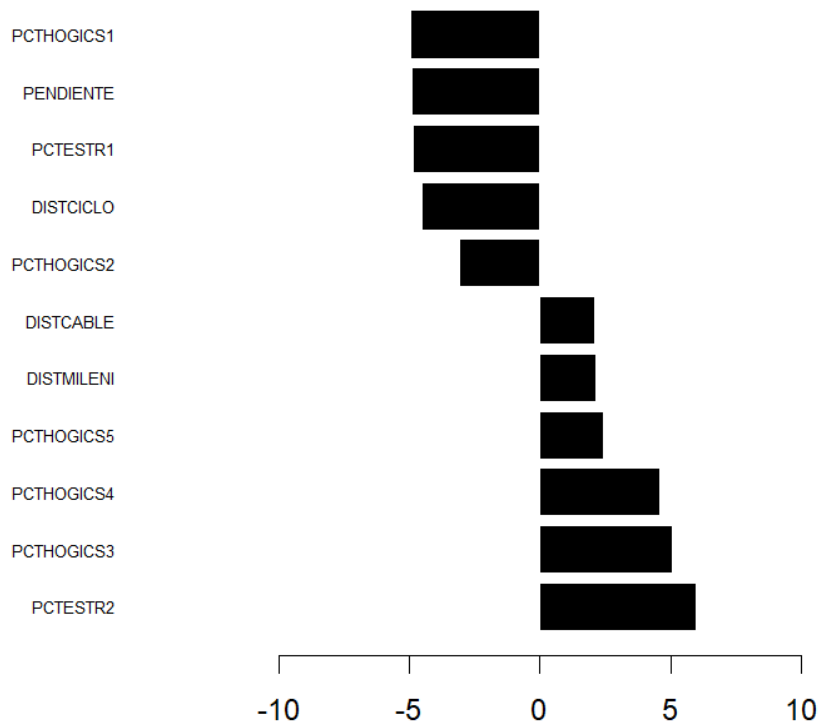
	v.test		Mean in category	Overall mean	sd in category	Overall sd	p.value
DISTCICLO	4.3	2240.0000	1340.000	567.000	949.0	0.000020	
PCTESTR1	3.9	96.5000	59.000	1.910	43.4	0.000103	
PENDIENTE	2.6	12.5000	8.800	2.900	6.4	0.009830	
PCTESTR5	-2.3	0.0029	0.056	0.012	0.1	0.020200	
PCTESTR2	-3.3	1.8400	30.700	1.560	39.0	0.000849	

## Classe 4



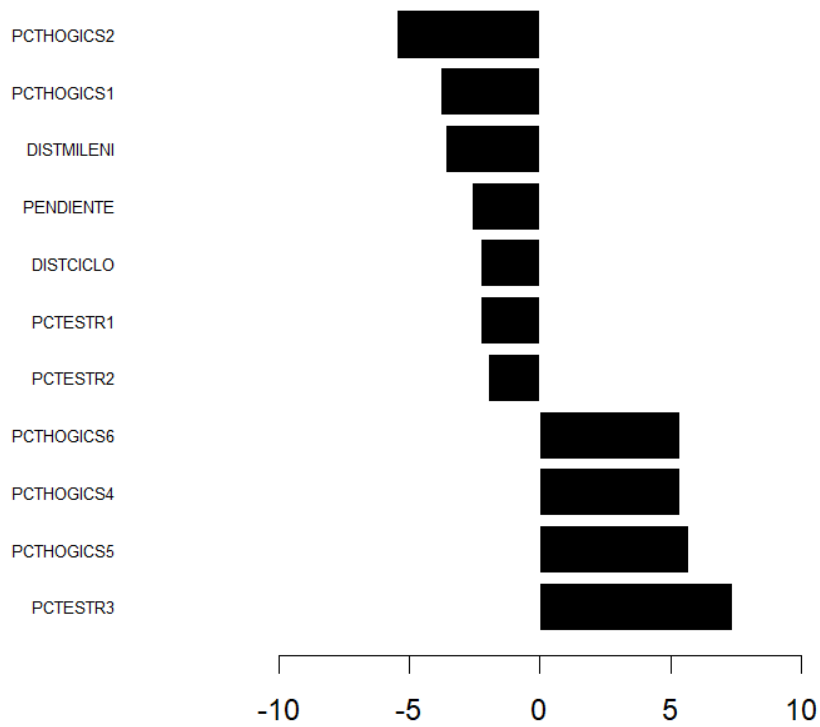
	v.test		Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR2	6.2	84.40	30.700	15.00	39.0	0.00000000061	
PCTHOGICS3	3.1	32.70	29.100	2.19	5.2	0.00179000000	
PCTESTR5	2.8	0.12	0.056	0.14	0.1	0.00526000000	
DISTCICLO	-3.5	594.00	1340.000	381.00	949.0	0.00041800000	
PENDIENTE	-3.7	3.52	8.800	3.05	6.4	0.00019400000	
PCTESTR1	-5.0	10.80	59.000	15.60	43.4	0.00000058400	

## Classe 5



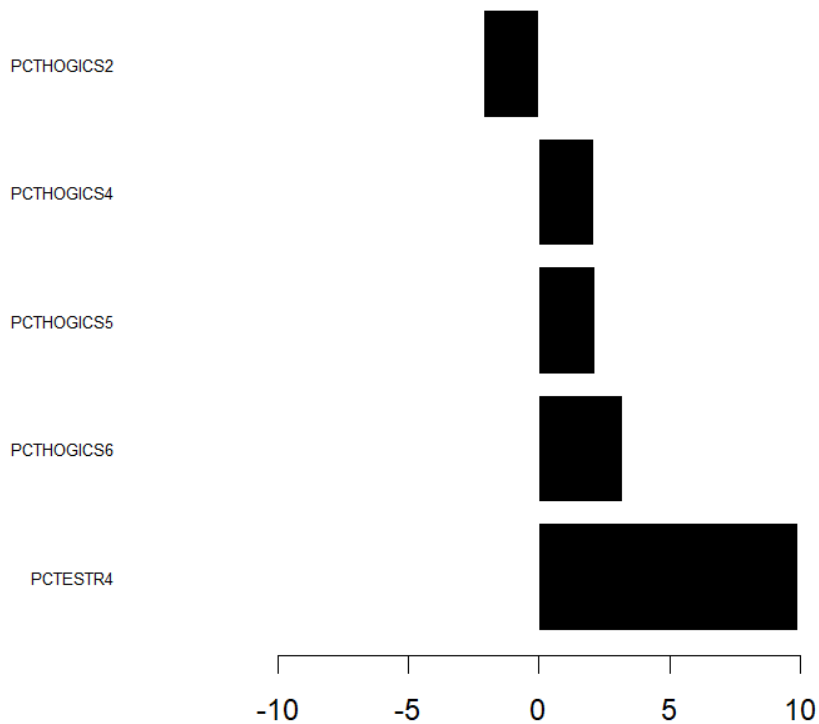
	v.test		Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR2	6.0	86.8	30.7	12.60	39.0	0.0000000019	
PCTHOGICS3	5.1	35.4	29.1	4.30	5.2	0.0000003730	
PCTHOGICS4	4.6	22.6	14.7	3.22	7.1	0.0000040900	
PCTHOGICS5	2.4	11.5	8.3	3.94	5.4	0.0152000000	
DISTMILENI	2.1	3190.0	2580.0	1380.00	1200.0	0.0327000000	
DISTCABLE	2.1	2000.0	1750.0	0.00	487.0	0.0347000000	
PCTHOGICS2	-3.1	18.4	22.7	5.44	5.8	0.0019400000	
DISTCICLO	-4.5	315.0	1340.0	146.00	949.0	0.0000066200	
PCTESTR1	-4.8	8.7	59.0	13.40	43.4	0.0000013200	
PENDIENTE	-4.9	1.3	8.8	0.69	6.4	0.0000008500	
PCTHOGICS1	-5.0	8.6	22.6	3.19	11.8	0.0000006930	

## Classe 6

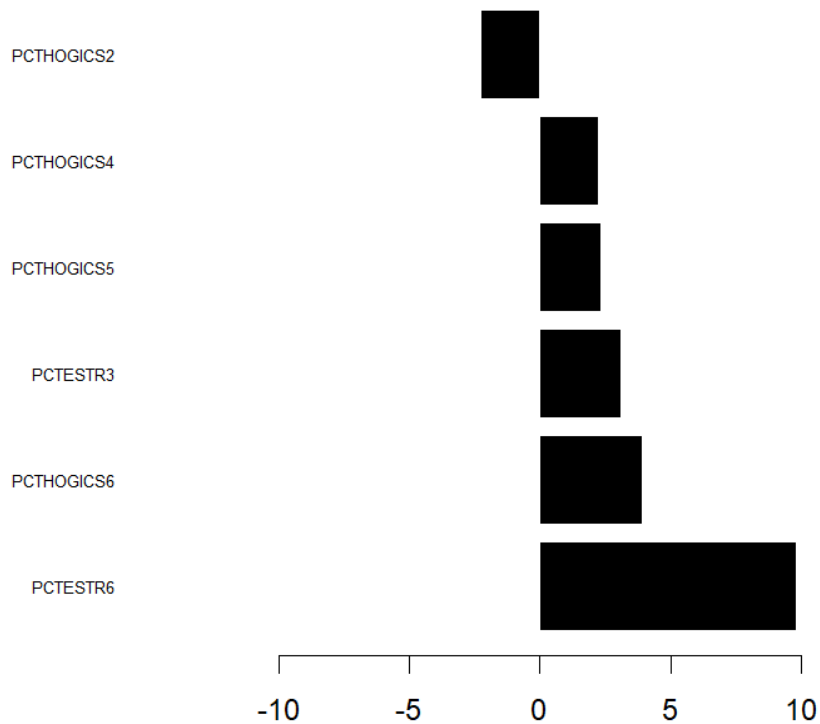


	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR3	7.4	62.8	9.5	41.0	23.9	0.000000000000015
PCTHOGICS5	5.7	17.6	8.3	5.1	5.4	0.00000001310000
PCTHOGICS4	5.4	26.3	14.7	5.3	7.1	0.00000007450000
PCTHOGICS6	5.3	6.4	2.5	3.1	2.4	0.00000009320000
PCTESTR2	-2.0	7.5	30.7	12.3	39.0	0.04810000000000
PCTESTR1	-2.3	29.2	59.0	42.2	43.4	0.02280000000000
DISTCICLO	-2.3	686.0	1340.0	370.0	949.0	0.02270000000000
PENDIENTE	-2.6	3.8	8.8	4.4	6.4	0.00931000000000
DISTMILENI	-3.6	1270.0	2580.0	395.0	1200.0	0.00028700000000
PCTHOGICS1	-3.8	9.1	22.6	4.7	11.8	0.00014500000000
PCTHOGICS2	-5.5	13.0	22.7	3.3	5.8	0.00000004000000

## Classe 7

[illegible]

## Classe 8



	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR6	9.8	1.4	0.026	0	0.14	0.0000000000000000000094
PCTHOGICS6	3.9	11.9	2.550	0	2.39	0.000090400000000000001838
PCTESTR3	3.1	84.0	9.460	0	23.90	0.0018200000000000000003192
PCTHOGICS5	2.3	21.0	8.340	0	5.40	0.018999999999999999528155
PCTHOGICS4	2.2	30.5	14.700	0	7.13	0.026399999999999999855671
PCTHOGICS2	-2.3	9.4	22.700	0	5.84	0.02290000000000000000216493

Représentation cartographique de la typologie.  
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