SYNTHESIS OF THE TYPOLOGICAL ANALYSIS
Results computed by the FactoQGIS add-on: https://github.com/ESO-Rennes/FactoQGIS

Input parameters table ===>

| Parameter	Value
Working Directory	C:/Users
Spatial Units ID	ID
Active Quantitative Variables	PENDIENTE, PCTHOGICS1, PCTHOGICS2, PCTHOGICS3, PCTHOGICS4, PCTHOGICS5, PCTHOGICS6, PCTESTR1, PCTESTR2, PCTESTR3, PCTESTR4, PCTESTR5, PCTESTR6, DISTCABLE, DISTMILENI, DISTCICLO
Additional Quantitative Variables	None
Additional Qualitative Variables	NOM_UTAM
Scale Data	TRUE
Number of axes for PCA	5
Number of axes for HAC	8
Number of clusters for HAC	5
Distance type for HAC	euclidean
Aggregation method for clusters	ward

Table of the eigen values ===>

	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

Scree plot (Gain of inertia) ===>
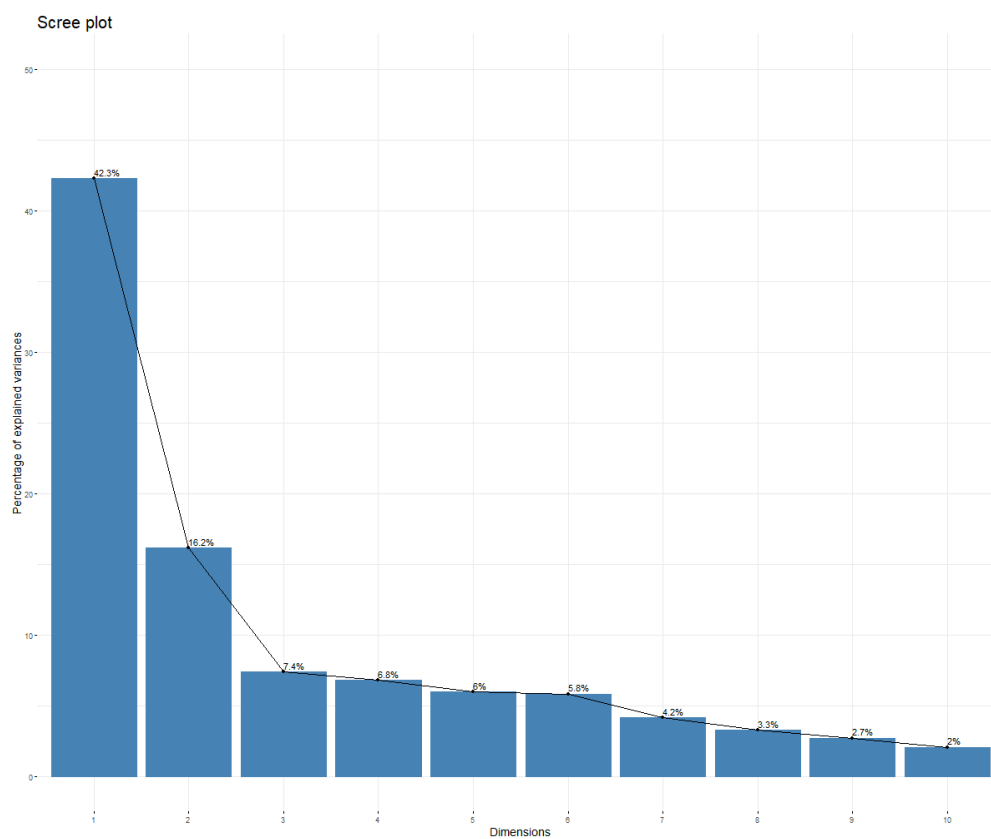
First factor map showing the variables
and their contribution to the axes ===>
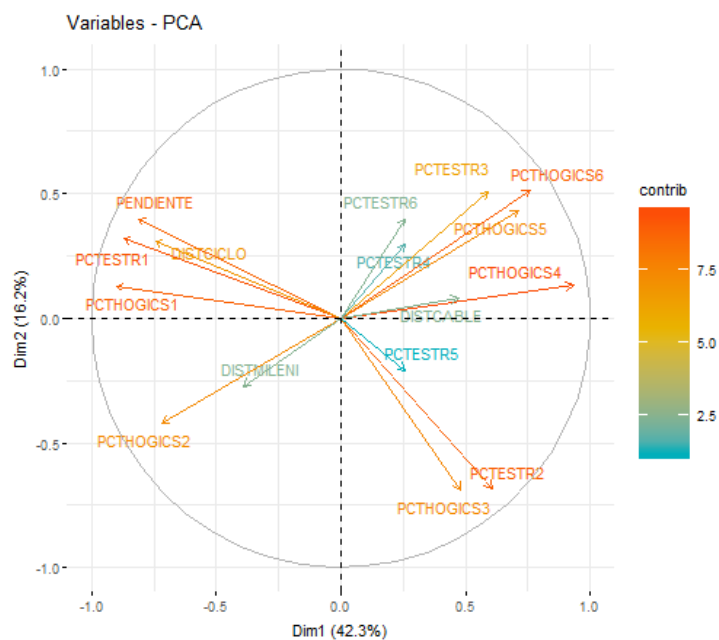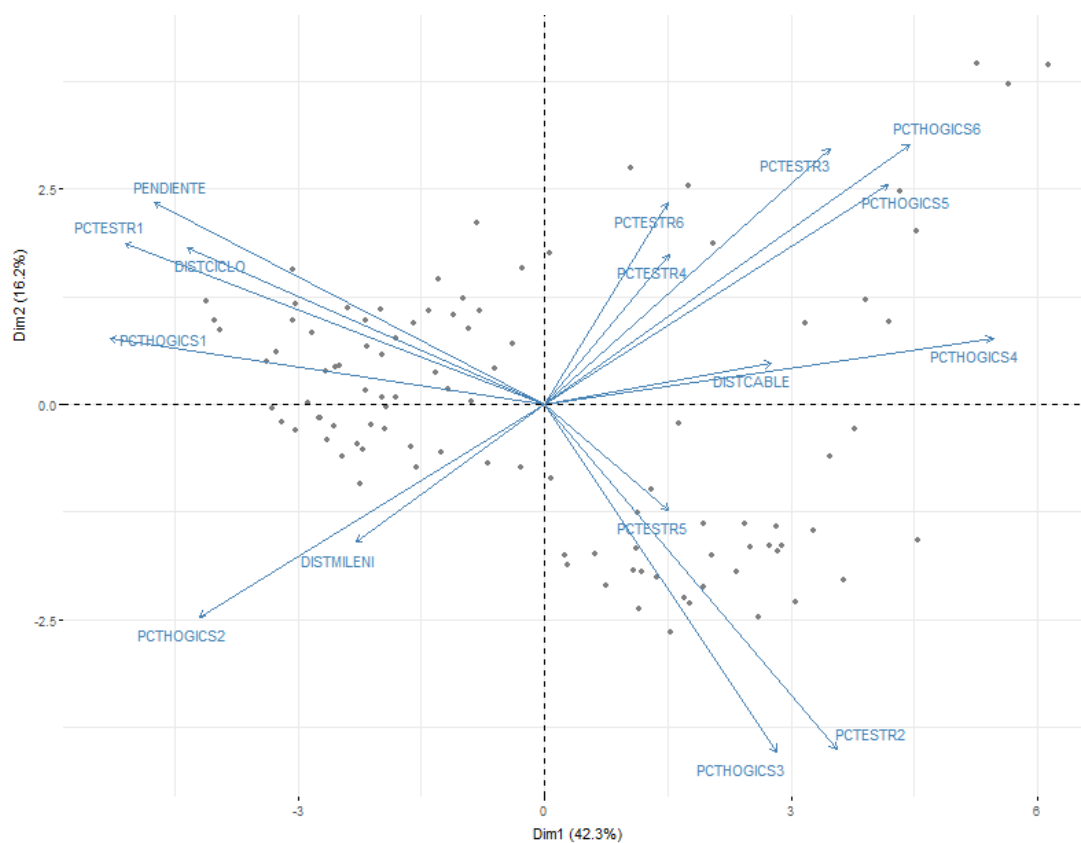

Variables - PCA

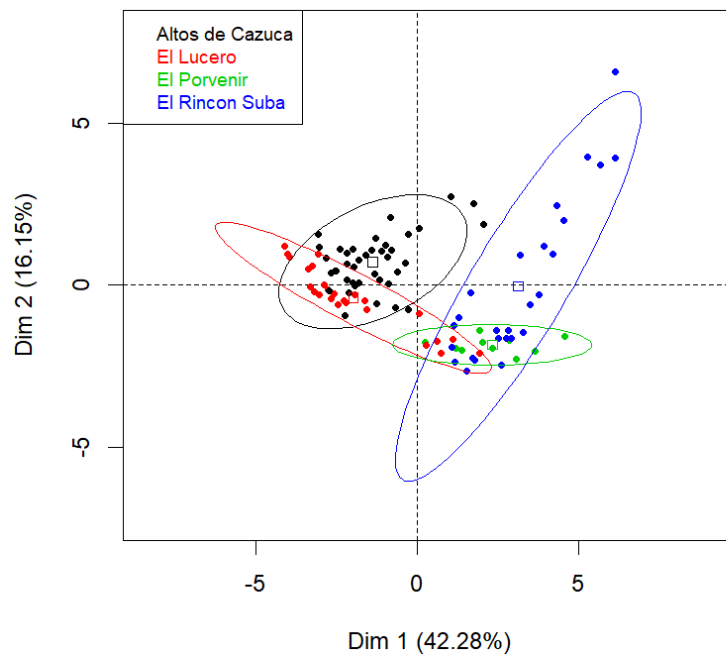Quality of the representation of the variables (Cos2) ===>
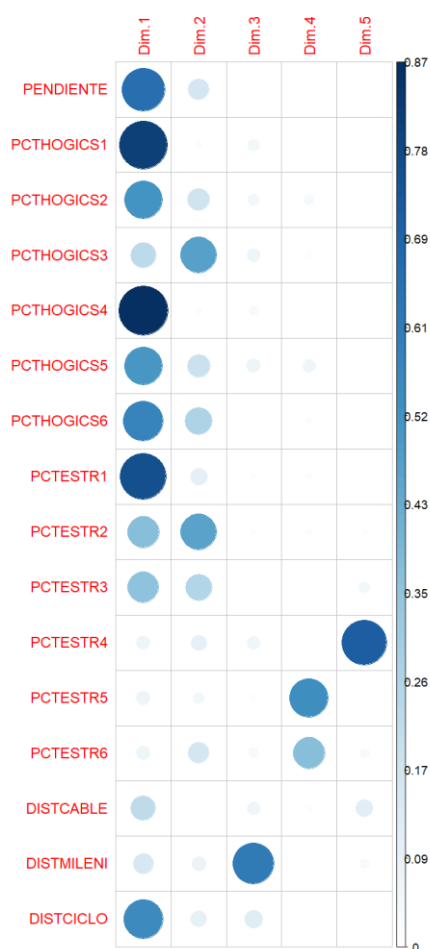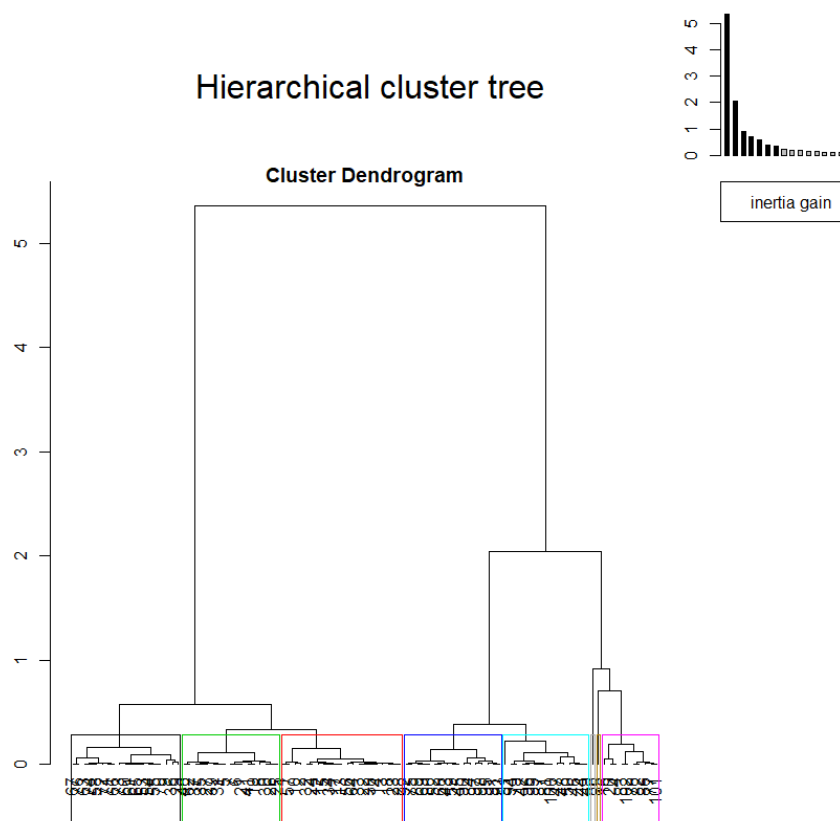
Correlations between the variables ===>
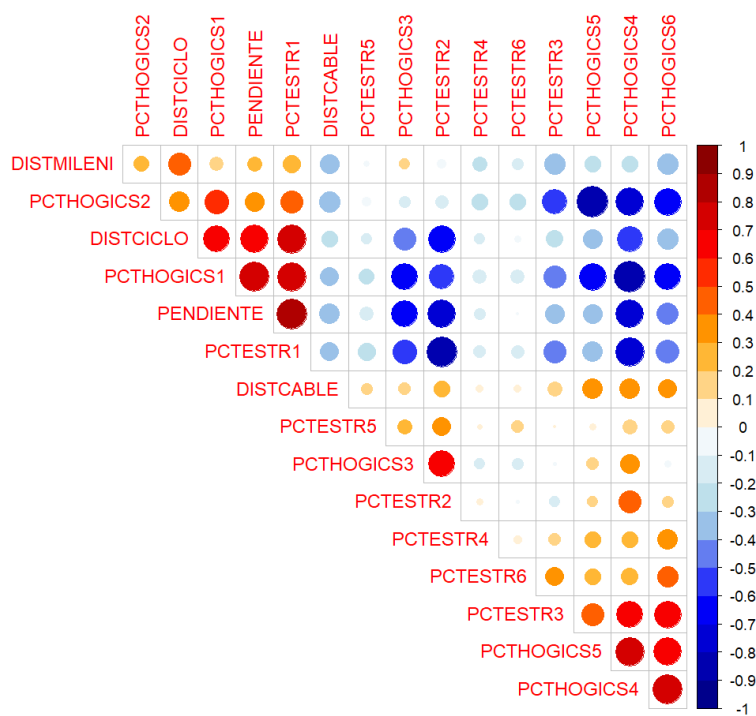
PCA Plot combining the variables and the individuals
(1st factor map) ===>

PCA plot showing the individuals differentiated according
to the additional qualitative variable(s)
(1st factor map) ===>

Hierarchical cluster tree
(allows to select the number of clusters to be kept) ===>

3D Hierarchical cluster tree
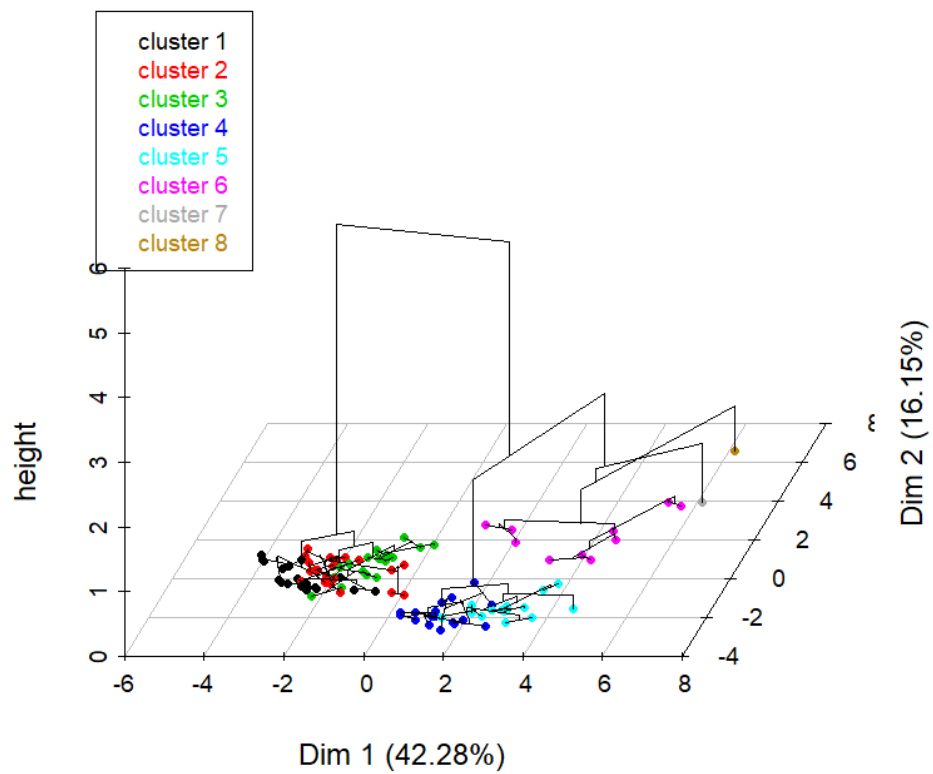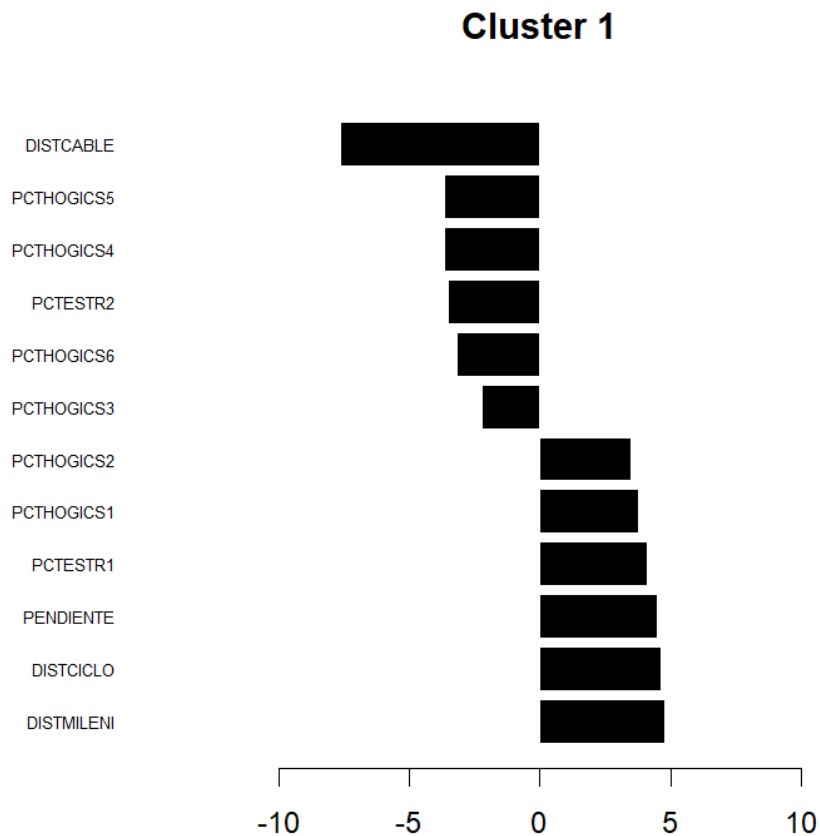(1st factor map) ===>

Hierarchical clustering on the factor map


Table giving the number of spatial units in each cluster ===>

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

Bar plots and tables which describe the clusters
based on the variables ===>

Cluster 1

	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	0.000001580000000
DISTCICLO	4.6	2250.00	1340.0	842.00	949.0	0.000003420000000
PENDIENTE	4.5	14.80	8.8	4.45	6.4	0.000006760000000
PCTESTR1	4.1	96.20	59.0	2.39	43.4	0.000037700000000
PCTHOGICS1	3.8	31.90	22.6	7.65	11.8	0.000148000000000
PCTHOGICS2	3.5	26.90	22.7	2.30	5.8	0.000498000000000
PCTHOGICS3	-2.2	26.70	29.1	4.12	5.2	0.026300000000000
PCTHOGICS6	-3.2	0.98	2.5	0.35	2.4	0.001510000000000
PCTESTR2	-3.5	2.39	30.7	1.73	39.0	0.000461000000000
PCTHOGICS4	-3.6	9.28	14.7	2.11	7.1	0.000265000000000
PCTHOGICS5	-3.7	4.21	8.3	1.46	5.4	0.000236000000000
DISTCABLE	-7.6	980.00	1750.0	565.00	487.0	0.000000000000023

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Cluster 2
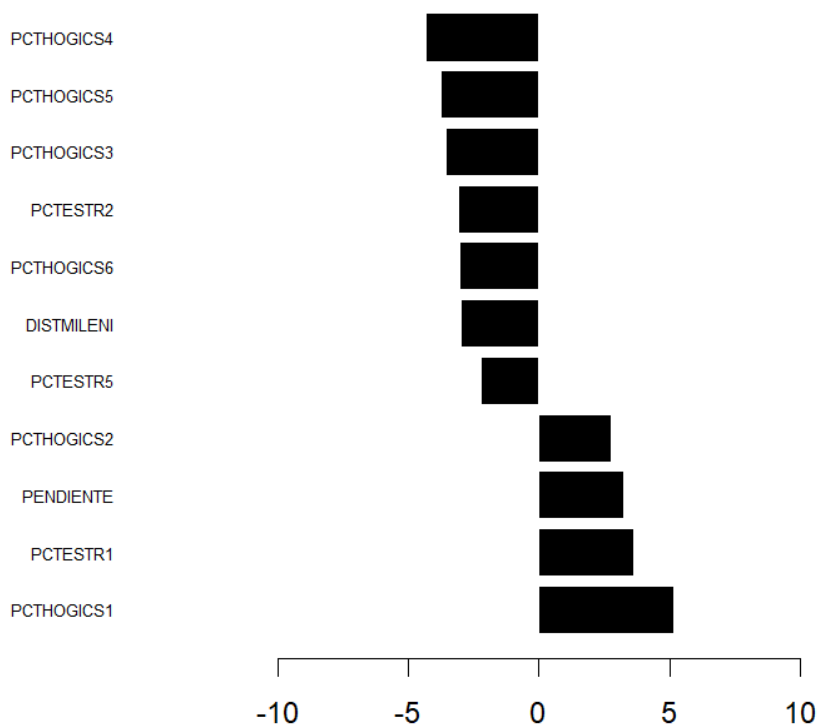
	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTHOGICS1	5.2	34.500	22.600	8.290	11.8	0.00000022
PCTESTR1	3.6	89.800	59.000	10.400	43.4	0.00028200
PENDIENTE	3.2	12.800	8.800	4.030	6.4	0.00117000
PCTHOGICS2	2.8	25.900	22.700	3.830	5.8	0.00572000
PCTESTR5	-2.2	0.011	0.056	0.037	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

Cluster 3
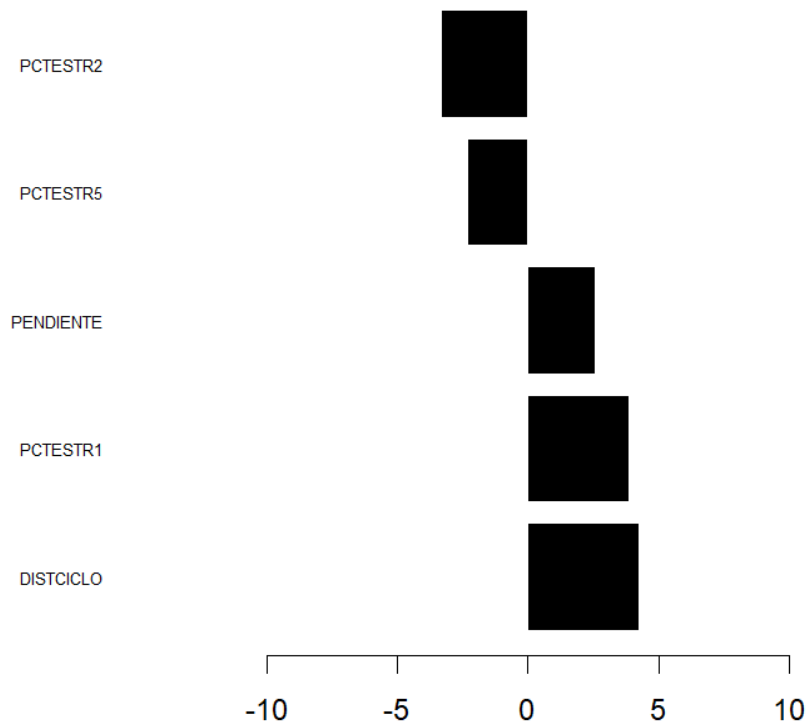
	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
DISTCICLO	4.3	2240.0000	1340.000	567.000	949.0	0.000020
PCTESTR1	3.9	96.5000	59.000	1.910	43.4	0.000103
PENDIENTE	2.6	12.5000	8.800	2.900	6.4	0.009830
PCTESTR5	-2.3	0.0029	0.056	0.012	0.1	0.020200
PCTESTR2	-3.3	1.8400	30.700	1.560	39.0	0.000849

Cluster 4
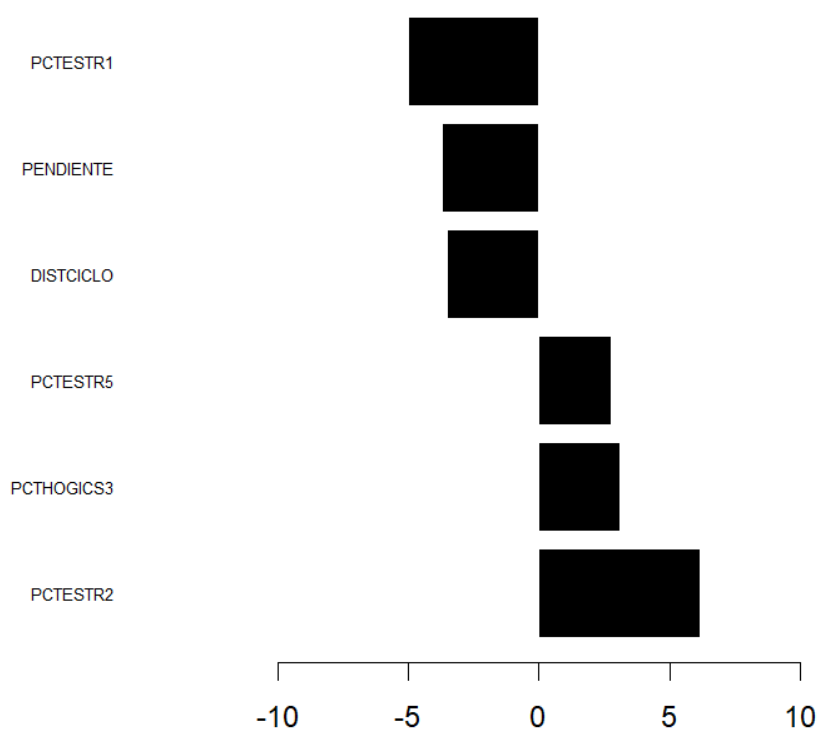
	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR2	6.2	84.40	30.700	15.00	39.0	0.00000000061
PCTHOGICS3	3.1	32.70	29.100	2.19	5.2	0.00179000000
PCTESTR5	2.8	0.12	0.056	0.14	0.1	0.00526000000
DISTCICLO	-3.5	594.00	1340.000	381.00	949.0	0.00041800000
PENDIENTE	-3.7	3.52	8.800	3.05	6.4	0.00019400000
PCTESTR1	-5.0	10.80	59.000	15.60	43.4	0.00000058400

Cluster 5
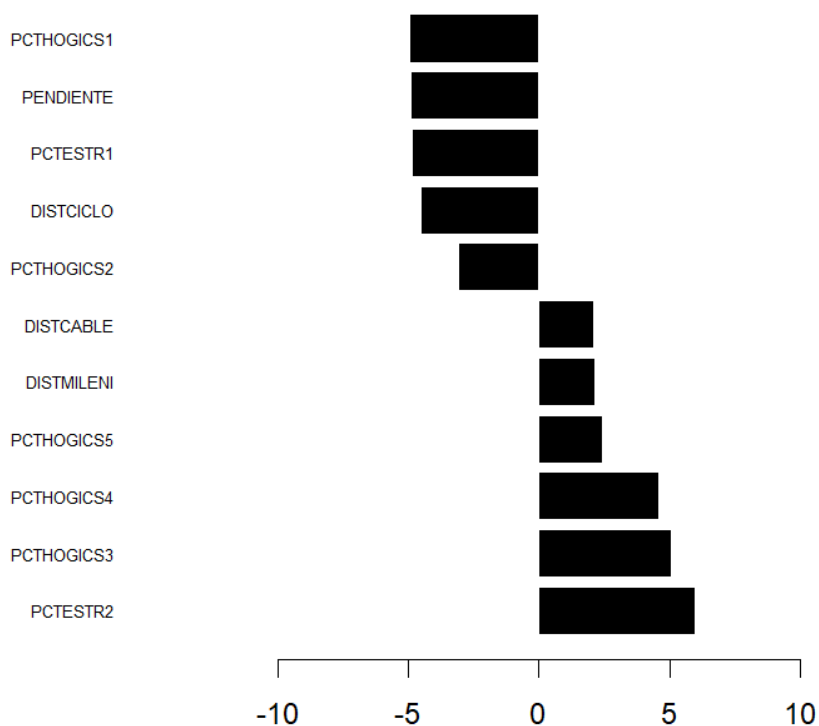
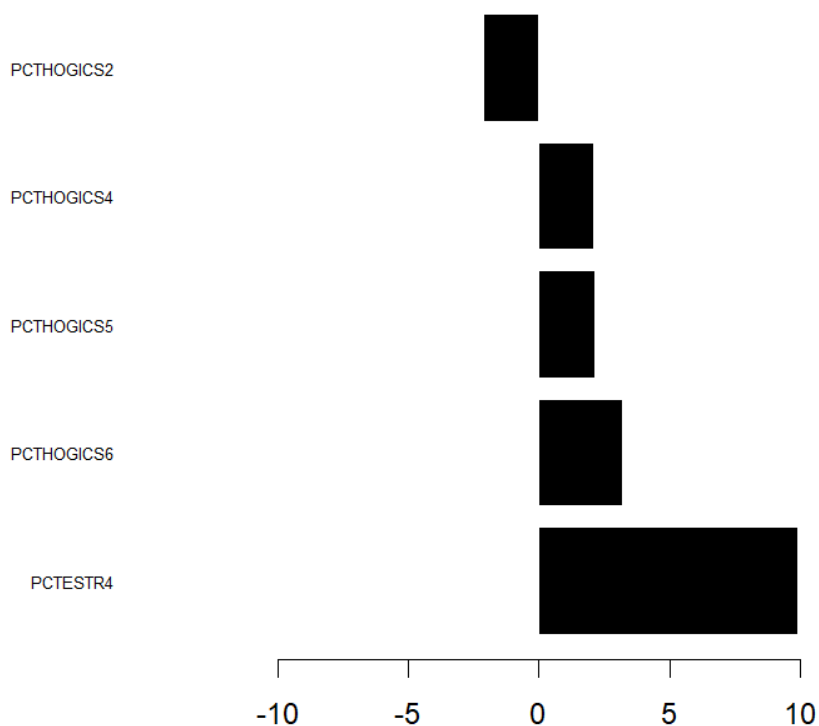|	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR2	6.0	86.8	30.7	12.60	39.0	0.0000000019
PCTHOGICS3	5.1	35.4	29.1	4.30	5.2	0.0000003730
PCTHOGICS4	4.6	22.6	14.7	3.22	7.1	0.0000040900
PCTHOGICS5	2.4	11.5	8.3	3.94	5.4	0.0152000000
DISTMILENI	2.1	3190.0	2580.0	1380.00	1200.0	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

Cluster 6
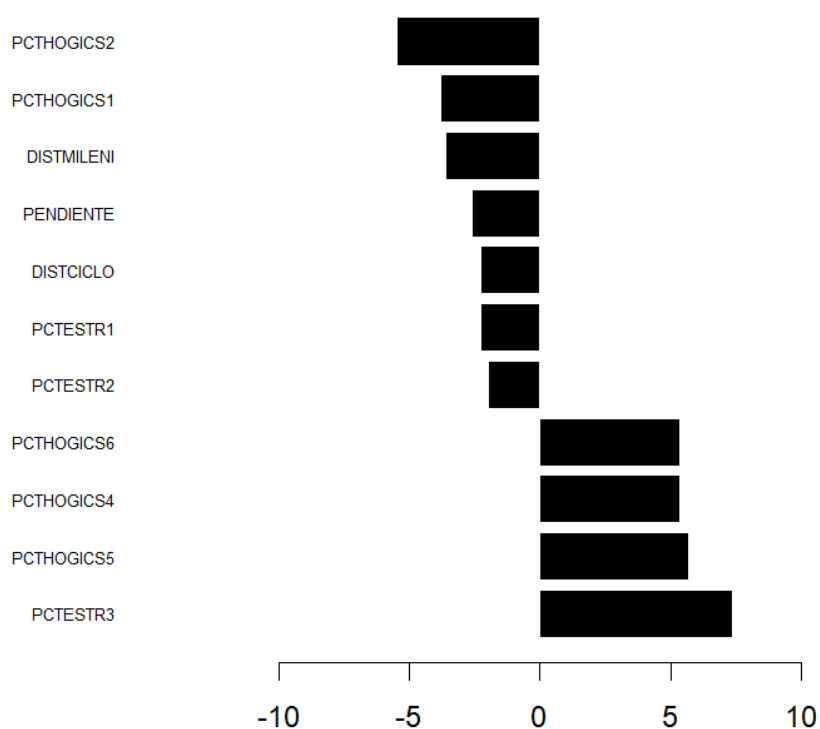
	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR3	7.4	62.8	9.5	41.0	23.9	0.00000000000015
PCTHOGICS5	5.7	17.6	8.3	5.1	5.4	0.00000001310000
PCTHOGICS4	5.4	26.3	14.7	5.3	7.1	0.00000007450000
PCTHOGICS6	5.3	6.4	2.5	3.1	2.4	0.00000009320000
PCTESTR2	-2.0	7.5	30.7	12.3	39.0	0.04810000000000
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

Cluster 7

	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR4	9.9	12	0.21	0	1.2	0.000000000000000000000038
PCTHOGICS6	3.2	10	2.55	0	2.4	0.00129999999999999999940326
PCTHOGICS5	2.2	20	8.34	0	5.4	0.031099999999999999172884
PCTHOGICS4	2.1	30	14.70	0	7.1	0.034299999999999997157829
PCTHOGICS2	-2.1	10	22.70	0	5.8	0.033599999999999997923883

Cluster 8
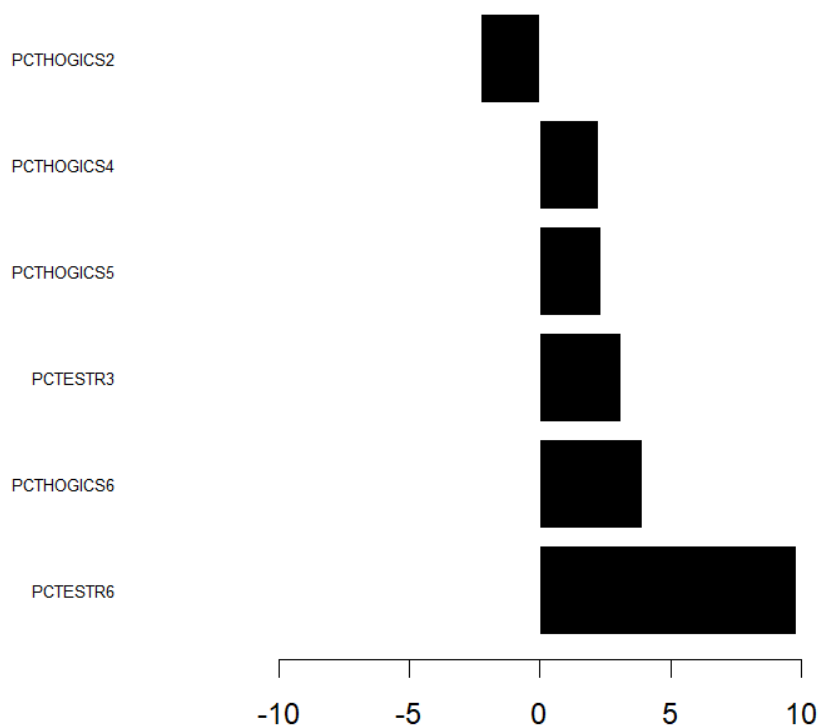
	v.test	Mean in category	Overall mean	sd in category	Overall sd	p.value
PCTESTR6	9.8	1.4	0.026	0	0.14	0.0000000000000000000000094
PCTHOGICS6	3.9	11.9	2.550	0	2.39	0.0000904000000000000001838
PCTESTR3	3.1	84.0	9.460	0	23.90	0.0018200000000000000003192
PCTHOGICS5	2.3	21.0	8.340	0	5.40	0.0189999999999999999528155
PCTHOGICS4	2.2	30.5	14.700	0	7.13	0.0263999999999999999855671
PCTHOGICS2	-2.3	9.4	22.700	0	5.84	0.0229000000000000000216493

Map of the typology.
To visualize this map with the same rendering in QGIS
use the style.qml file which is stored
in your working directory ===>