

Sortie R – Analyse en composante principale

Call:

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PCA(X = climat[2:13], ncp = 8, quanti.sup = c(1:3), quali.sup = 4)
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Eigenvalues

	Dim.1	Dim.2	Dim.3	Dim.4	Dim.5	Dim.6	Dim.7	Dim.8
Variance	4.046	1.758	0.766	0.652	0.376	0.244	0.106	0.051
% of var.	50.574	21.980	9.569	8.150	4.706	3.050	1.328	0.643
Cumulative % of var.	50.574	72.553	82.123	90.273	94.979	98.029	99.357	100.000

Individuals (the 10 first)

	Dist	Dim.1	ctr	cos2	Dim.2	ctr	cos2	Dim.3	ctr	cos2
1	3.491	1.179	0.182	0.114	1.276	0.490	0.134	-1.181	0.964	0.114
2	5.106	1.584	0.328	0.096	3.300	3.278	0.418	-0.679	0.319	0.018
3	6.247	2.422	0.767	0.150	5.055	7.690	0.655	-1.308	1.183	0.044
4	3.642	0.557	0.041	0.023	2.148	1.389	0.348	0.169	0.020	0.002
5	2.905	-1.660	0.360	0.326	-1.025	0.316	0.125	-0.212	0.031	0.005
6	4.259	2.525	0.834	0.351	2.317	1.615	0.296	-1.252	1.083	0.086
7	3.115	0.401	0.021	0.017	-1.758	0.930	0.318	-0.307	0.065	0.010
8	2.365	-0.786	0.081	0.110	-1.369	0.564	0.335	0.262	0.048	0.012
9	3.356	0.381	0.019	0.013	-2.106	1.334	0.394	-0.443	0.135	0.017
10	3.476	-2.772	1.005	0.636	-0.810	0.197	0.054	-0.290	0.058	0.007

Variables

	Dim.1	ctr	cos2	Dim.2	ctr	cos2	Dim.3	ctr	cos2
tmax_mars	0.819	16.563	0.670	-0.444	11.218	0.197	-0.108	1.513	0.012
tmax_juin	0.699	12.085	0.489	-0.642	23.406	0.412	-0.078	0.787	0.006
tmax_sept	0.917	20.776	0.841	-0.301	5.138	0.090	0.078	0.794	0.006
tmax_dec	0.792	15.488	0.627	0.270	4.132	0.073	-0.077	0.779	0.006
precip_mars	0.548	7.435	0.301	0.660	24.795	0.436	0.264	9.134	0.070
precip_juin	0.638	10.071	0.407	0.032	0.059	0.001	0.639	53.338	0.408
precip_sept	0.658	10.710	0.433	0.169	1.619	0.028	-0.447	26.152	0.200
precip_dec	0.527	6.872	0.278	0.722	29.634	0.521	-0.240	7.503	0.057

Supplementary continuous variables

	Dim.1	cos2	Dim.2	cos2	Dim.3	cos2
longitude	0.474	0.225	0.191	0.036	0.036	0.001
latitude	-0.917	0.842	0.240	0.058	0.021	0.000
elevation_m	-0.164	0.027	-0.328	0.108	0.069	0.005

Supplementary categories (the 10 first)

	Dist	Dim.1	cos2	v.test	Dim.2	cos2	v.test	Dim.3	cos2	v.test
ALBERTA	2.491	-1.820	0.534	-1.824	-1.283	0.266	-1.951	0.255	0.010	0.587
BRITISH COLUMBIA	2.072	0.077	0.001	0.130	0.529	0.065	1.359	-0.477	0.053	-1.857
MANITOBA	2.731	-2.429	0.791	-2.435	-1.048	0.147	-1.593	0.128	0.002	0.294
NEW BRUNSWICK	1.720	1.091	0.403	0.769	1.145	0.443	1.224	0.107	0.004	0.173
NEWFOUNDLAND	2.927	-0.151	0.003	-0.186	2.464	0.709	4.614	0.970	0.110	2.753
NORTHWEST TERRITORIES	4.422	-3.863	0.763	-3.344	-1.231	0.077	-1.616	0.188	0.002	0.374
NOVA SCOTIA	3.270	1.933	0.350	1.938	2.146	0.430	3.262	0.324	0.010	0.747
NUNAVUT	8.002	-7.598	0.901	-10.157	2.357	0.087	4.780	0.409	0.003	1.256
ONTARIO	1.049	-0.300	0.082	-0.663	-0.909	0.750	-3.048	0.165	0.025	0.838
PRINCE EDWARD ISLAND	2.711	1.337	0.243	0.665	1.798	0.440	1.356	1.124	0.172	1.284