

dbRDA

Distance based redundancy analysis

Resemblance worksheet

Name: Resem1

Data type: Distance

Selection: All

Transform: Square root

Resemblance: D1 Euclidean distance

Predictor variables worksheet

Name: Pamudi UOK_Edited (1)

Data type: Environmental

Sample selection: All

Variable selection: All

Percentage of variation explained by individual axes

Axis	% explained variation out of fitted model		% explained variation out of total variation	
	Individual	Cumulative	Individual	Cumulative
1	91.25	91.25	91.25	91.25
2	4.98	96.23	4.98	96.23
3	2.91	99.14	2.91	99.14
4	0.68	99.81	0.68	99.81
5	0.17	99.98	0.17	99.98
6	0.02	100	0.02	100

dbRDA coordinate scores

Sample	dbRDA1	dbRDA2	dbRDA3	dbRDA4	dbRDA5	dbRDA6
S1	6.6041	-0.24196	0.11149	0.27551	0.15725	3.5083E-2
S2	3.2123	0.41266	-4.9475E-2	-0.37448	-0.26305	3.033E-2
S3	-3.6388	-1.1807	0.9454	-8.3145E-2	-5.6072E-4	3.8341E-2
S4	0.16145	-1.0502	-0.83342	-0.23811	5.8868E-2	-7.051E-2
S5	-4.1183	0.38955	-0.9367	0.2403	3.6672E-3	6.4911E-2
S6	-1.5158	1.3224	0.39791	-0.29082	0.19614	-2.4551E-2
S7	-0.70497	0.34823	0.36481	0.47073	-0.15232	-7.3603E-2

Relationships between dbRDA coordinate axes and orthonormal X variables (multiple partial correlations)

Variable	dbRDA1	dbRDA2	dbRDA3	dbRDA4	dbRDA5	dbRDA6
Conductivity	-0.894	-0.002	-0.253	0.138	0.065	-0.333
Salinity	0.000	0.000	0.001	-0.001	0.001	0.000
Temperature	0.017	-0.007	0.044	0.161	0.102	0.133
pH	-0.012	-0.014	-0.010	-0.074	-0.164	-0.063
BOD	0.000	0.036	-0.213	0.683	-0.615	0.314
TDS	-0.415	-0.332	0.406	-0.198	-0.008	0.712
TSS	-0.042	0.476	-0.643	-0.367	0.078	0.465
Nitrate	0.000	-0.007	0.020	0.001	0.063	-0.004
DO	-0.046	-0.117	-0.006	-0.555	-0.743	-0.211
COD	0.155	-0.805	-0.556	-0.025	0.131	0.027
Pressure	-0.001	-0.001	-0.001	-0.007	-0.015	-0.007

Weights

(Coefficients for linear combinations of X's in the formation of dbRDA coordinates)

Variable	dbRDA1	dbRDA2	dbRDA3	dbRDA4	dbRDA5	dbRDA6
Conductivity	-9.8712E-2	-7.3267E-3	-1.0175E-2	-2.1599E-3	4.3591E-3	-1.6861E-2
Salinity	3.0889E-5	1.2982E-5	9.5158E-5	-4.8269E-5	1.2654E-4	-3.6099E-6

Temperature	6.5006E-2	1.6099E-2	9.3853E-3	4.215E-2	2.6652E-2
8.2346E-3					
pH	-4.7952E-2	-1.7401E-2	-1.1233E-2	-2.6788E-2	-3.5239E-2
	-4.2686E-3				
BOD	5.9685E-2	-1.1234E-2	-5.9755E-2	9.8281E-2	-9.9751E-2
2.056E-2					
TDS	0.10574	-2.7012E-3	1.9466E-2	1.483E-3	-2.0997E-3
2.9182E-2					
TSS	6.6592E-2	5.9082E-2	-6.2453E-2	-3.0368E-2	3.6803E-3
2.0989E-2					
Nitrate	8.8331E-3	3.7859E-3	6.0827E-3	3.8845E-3	1.2612E-2
	-2.9567E-5				
DO	-0.22794	-8.4875E-2	-5.0543E-2	-0.1549	-0.16574
	-1.8247E-2				
COD	2.1043E-2	-4.8504E-2	-3.4073E-2	-1.8977E-3	6.4208E-3
5.2304E-4					
Pressure	-4.864E-3	-1.7101E-3	-9.9847E-4	-2.6391E-3	-3.3278E-3
	-4.7577E-4				

Outputs

Plot: Graph2