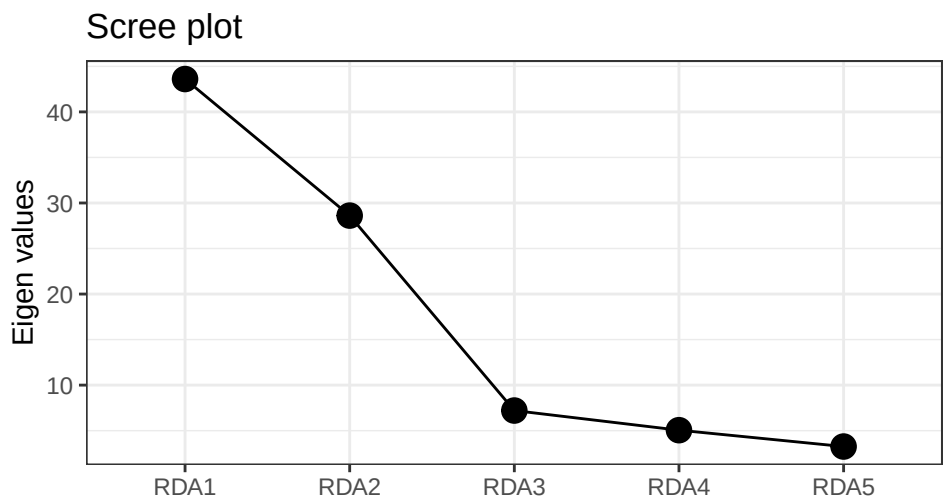
geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4

r.squared	0.37
adj.r.squared	0.26

	Df	Variance	F	Pr(>F)
Model	5	87.741	3.327	0.001
RDA1	1	43.609	8.268	0.001
RDA2	1	28.614	5.425	0.001
RDA3	1	7.208	1.367	0.6
RDA4	1	5.052	0.958	0.732
RDA5	1	3.257	0.618	0.786

	bio1	bio12	bio15	bio3	bio4
VIF	1.75	1.54	1.36	1.63	1.99

	RDA1	RDA2	RDA3	RDA4	RDA5
Eigenvalue	43.61	28.61	7.21	5.05	3.26
Proportion Explained	0.5	0.33	0.08	0.06	0.04
Cumulative Proportion	0.5	0.82	0.91	0.96	1

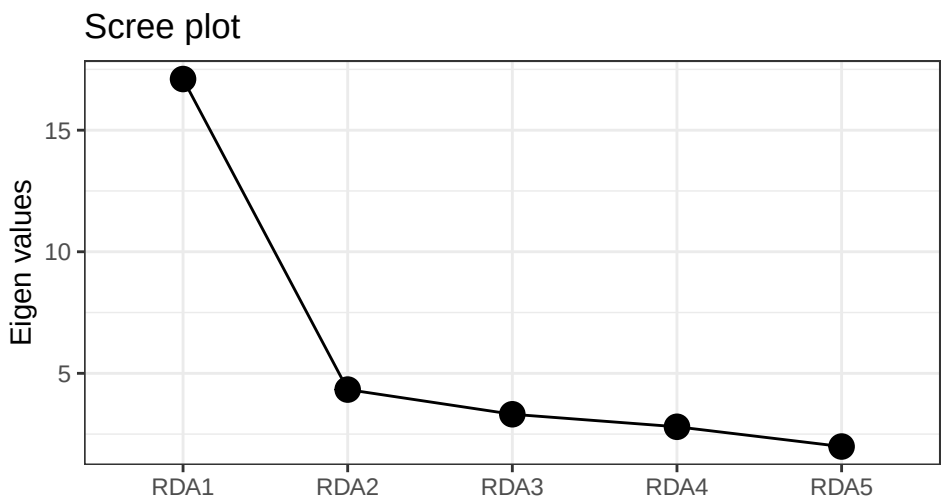


geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4 + Condition(PC1 + PC2 + PC3)

r.squared	0.13
adj.r.squared	0.07

	RDA1	RDA2	RDA3	RDA4	RDA5
Eigenvalue	17.1	4.33	3.32	2.8	1.99
Proportion Explained	0.58	0.15	0.11	0.09	0.07
Cumulative Proportion	0.58	0.73	0.84	0.93	1

	Df	Variance	F	Pr(>F)
Model	5	29.542	2.122	0.001
RDA1	1	17.104	6.143	0.001
RDA2	1	4.332	1.556	0.441
RDA3	1	3.316	1.191	0.657
RDA4	1	2.802	1.006	0.753
RDA5	1	1.989	0.715	0.884



	PC1	PC2	PC3	bio1	bio12	bio15	bio3	bio4
VIF	2.27	3.03	1.76	2.24	1.64	3.88	2.25	4.78

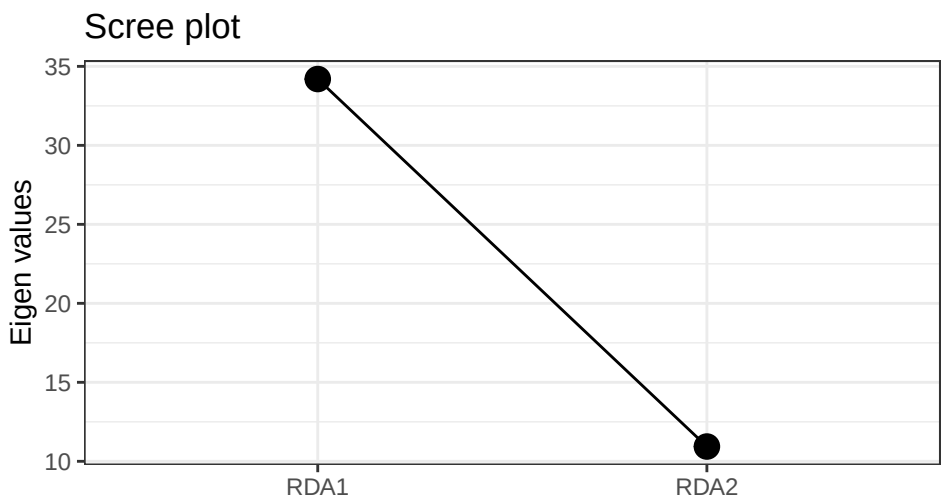
geno_pop ~ MSP + MWMT

r.squared	0.19
adj.r.squared	0.14

	RDA1	RDA2
Eigenvalue	34.2	10.94
Proportion Explained	0.76	0.24
Cumulative Proportion	0.76	1

	Df	Variance	F	Pr(>F)
Model	2	45.133	3.676	0.001
RDA1	1	34.198	5.571	0.001
RDA2	1	10.935	1.782	0.072

	MSP	MWMT
VIF	1.39	1.39



geno_pop ~ MSP + MWMT + Condition(PC1 + PC2 + PC3)

r.squared	0.06
adj.r.squared	0.04

	RDA1	RDA2
Eigenvalue	11.81	2.28
Proportion Explained	0.84	0.16
Cumulative Proportion	0.84	1

	Df	Variance	F	Pr(>F)
Model	2	14.086	2.318	0.002
RDA1	1	11.81	3.888	0.001
RDA2	1	2.276	0.749	0.846

	PC1	PC2	PC3	MSP	MWMT
VIF	1.52	1.24	1.48	1.82	2.36