

Summary of models

2022-07-08

Correlation

species	rows	fruit_proportion	Seeds	Seed_weight	richness	visitatio_rate	Frequency
Asphodelus fistulosus	fruit_proportion	1.0000	-0.7023	0.6058	-0.7293	0.1819	0.0830
	Seeds	-0.7023	1.0000	-0.1075	0.4812	-0.4977	-0.5475
	Seed_weight	0.6058	-0.1075	1.0000	-0.6025	-0.2888	-0.4000
	richness	-0.7293	0.4812	-0.6025	1.0000	0.0647	0.1593
	visitatio_rate	0.1819	-0.4977	-0.2888	0.0647	1.0000	0.9421
	Frequency	0.0830	-0.5475	-0.4000	0.1593	0.9421	1.0000
Cistus crispus	fruit_proportion	1.0000	0.4161	0.4117	-0.0105	0.1052	-0.0307
	Seeds	0.4161	1.0000	0.8757	-0.2753	-0.0277	-0.1797
	Seed_weight	0.4117	0.8757	1.0000	-0.1787	-0.0046	-0.0970
	richness	-0.0105	-0.2753	-0.1787	1.0000	0.5627	0.6782
	visitatio_rate	0.1052	-0.0277	-0.0046	0.5627	1.0000	0.6865
	Frequency	-0.0307	-0.1797	-0.0970	0.6782	0.6865	1.0000
Cistus ladanifer	fruit_proportion	1.0000	0.1899	0.1504	0.1329	0.0350	-0.2773
	Seeds	0.1899	1.0000	0.9368	0.0205	0.0708	0.0430
	Seed_weight	0.1504	0.9368	1.0000	-0.0127	0.1053	-0.0133
	richness	0.1329	0.0205	-0.0127	1.0000	0.2924	0.1688
	visitatio_rate	0.0350	0.0708	0.1053	0.2924	1.0000	0.3155
	Frequency	-0.2773	0.0430	-0.0133	0.1688	0.3155	1.0000
Cistus libanotis	fruit_proportion	1.0000	-0.0060	0.0299	-0.2198	0.1761	-0.2259
	Seeds	-0.0060	1.0000	0.3492	-0.2500	-0.5347	-0.3541
	Seed_weight	0.0299	0.3492	1.0000	0.1833	-0.4670	0.0750
	richness	-0.2198	-0.2500	0.1833	1.0000	0.3220	0.7211
	visitatio_rate	0.1761	-0.5347	-0.4670	0.3220	1.0000	0.3221
	Frequency	-0.2259	-0.3541	0.0750	0.7211	0.3221	1.0000
Cistus monspeliensis	fruit_proportion	1.0000	-0.4485	-0.4345	0.1075	-0.0339	0.1337
	Seeds	-0.4485	1.0000	0.9027	0.4568	0.3329	0.4399
	Seed_weight	-0.4345	0.9027	1.0000	0.3971	0.4014	0.4813
	richness	0.1075	0.4568	0.3971	1.0000	-0.0517	0.9146
	visitatio_rate	-0.0339	0.3329	0.4014	-0.0517	1.0000	0.1264
	Frequency	0.1337	0.4399	0.4813	0.9146	0.1264	1.0000
Cistus salviifolius	fruit_proportion	1.0000	0.0026	0.0781	-0.0713	-0.1379	0.0695
	Seeds	0.0026	1.0000	0.9232	-0.0064	-0.2513	-0.0064
	Seed_weight	0.0781	0.9232	1.0000	0.0014	-0.2908	-0.0137
	richness	-0.0713	-0.0064	0.0014	1.0000	0.4190	0.5100
	visitatio_rate	-0.1379	-0.2513	-0.2908	0.4190	1.0000	0.5811
	Frequency	0.0695	-0.0064	-0.0137	0.5100	0.5811	1.0000
Halimium calycinum	fruit_proportion	1.0000	-0.0904	0.4575	-0.0072	0.0999	0.1097
	Seeds	-0.0904	1.0000	0.3023	-0.1236	-0.1230	-0.2351
	Seed_weight	0.4575	0.3023	1.0000	0.1017	-0.1709	0.0575
	richness	-0.0072	-0.1236	0.1017	1.0000	0.3986	0.6881

Halimium halimifolium	visitatio_rate	0.0999	-0.1230	-0.1709	0.3986	1.0000	0.6119
	Frequency	0.1097	-0.2351	0.0575	0.6881	0.6119	1.0000
	fruit_proportion	1.0000	-0.1827	-0.0810	-0.0886	-0.0362	-0.0520
	Seeds	-0.1827	1.0000	0.4896	-0.0150	0.2056	-0.0134
	Seed_weight	-0.0810	0.4896	1.0000	0.0244	0.0029	-0.0266
	richness	-0.0886	-0.0150	0.0244	1.0000	0.5080	0.6200
	visitatio_rate	-0.0362	0.2056	0.0029	0.5080	1.0000	0.6450
Lavandula pedunculata	Frequency	-0.0520	-0.0134	-0.0266	0.6200	0.6450	1.0000
	fruit_proportion	1.0000	0.0418	-0.0393	0.0282	-0.0103	0.0609
	Seeds	0.0418	1.0000	0.5202	0.1866	-0.0536	0.0996
	Seed_weight	-0.0393	0.5202	1.0000	0.1146	-0.1564	0.2289
	richness	0.0282	0.1866	0.1146	1.0000	0.2759	0.4425
	visitatio_rate	-0.0103	-0.0536	-0.1564	0.2759	1.0000	0.1748
	Frequency	0.0609	0.0996	0.2289	0.4425	0.1748	1.0000
Lavandula stoechas	fruit_proportion	1.0000	-0.2385	0.1316	0.0515	0.1242	0.2541
	Seeds	-0.2385	1.0000	0.1705	0.1310	0.0142	0.2260
	Seed_weight	0.1316	0.1705	1.0000	0.1550	0.0483	0.4355
	richness	0.0515	0.1310	0.1550	1.0000	-0.0407	0.5107
	visitatio_rate	0.1242	0.0142	0.0483	-0.0407	1.0000	0.2883
	Frequency	0.2541	0.2260	0.4355	0.5107	0.2883	1.0000
Salvia rosmarinus	fruit_proportion	1.0000	-0.4606	0.1354	-0.0885	-0.3038	-0.6646
	Seeds	-0.4606	1.0000	-0.4241	0.2924	0.1032	0.1842
	Seed_weight	0.1354	-0.4241	1.0000	-0.4100	-0.2078	-0.2179
	richness	-0.0885	0.2924	-0.4100	1.0000	0.0761	0.3480
	visitatio_rate	-0.3038	0.1032	-0.2078	0.0761	1.0000	0.6244
	Frequency	-0.6646	0.1842	-0.2179	0.3480	0.6244	1.0000
Teucrium fruticans	fruit_proportion	1.0000	-0.2740	0.4067	0.5360	-0.0517	-0.2905
	Seeds	-0.2740	1.0000	-0.2085	-0.0293	-0.1092	0.0717
	Seed_weight	0.4067	-0.2085	1.0000	0.3768	0.1420	-0.1048
	richness	0.5360	-0.0293	0.3768	1.0000	0.2422	0.3227
	visitatio_rate	-0.0517	-0.1092	0.1420	0.2422	1.0000	0.6462
	Frequency	-0.2905	0.0717	-0.1048	0.3227	0.6462	1.0000

Fruit proportion

Summary of models for fruit proportion per plant species

Richness

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	4.5150	0.9547	4.7294	0.0000
	richness	-1.2264	0.3317	-3.6972	0.0002
Cistus crispus	(Intercept)	1.2951	0.3476	3.7258	0.0002
	richness	0.0075	0.0955	0.0781	0.9377
Cistus ladanifer	(Intercept)	2.0043	0.5670	3.5349	0.0004
	richness	0.3137	0.2218	1.4145	0.1572
Cistus libanotis	(Intercept)	6.4750	2.6509	2.4426	0.0146
	richness	-0.6218	0.6177	-1.0067	0.3141
Cistus monspeliensis	(Intercept)	1.4923	1.0640	1.4026	0.1607
	richness	0.0987	0.1861	0.5304	0.5958
Cistus salviifolius	(Intercept)	2.4722	0.3103	7.9672	0.0000
	richness	0.0802	0.1132	0.7083	0.4788
Halimium calycinum	(Intercept)	0.9829	1.7867	0.5501	0.5822
	richness	1.1213	0.8355	1.3422	0.1795
Halimium halimifolium	(Intercept)	1.8474	0.3706	4.9854	0.0000
	richness	-0.1444	0.1189	-1.2148	0.2244
Lavandula pedunculata	(Intercept)	1.5335	0.1970	7.7837	0.0000
	richness	-0.0005	0.0372	-0.0133	0.9894
Lavandula stoechas	(Intercept)	1.8374	0.2181	8.4231	0.0000
	richness	-0.0425	0.0355	-1.1971	0.2313
Salvia rosmarinus	(Intercept)	0.0595	1.1700	0.0509	0.9594
	richness	0.3770	0.3132	1.2038	0.2287
Teucrium fruticans	(Intercept)	0.9465	0.9255	1.0227	0.3064
	richness	0.3603	0.1599	2.2534	0.0242

Visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.4965	1.1636	0.4267	0.6696
	visitatio_rate	3.1458	1.3602	2.3128	0.0207
Cistus crispus	(Intercept)	1.2214	0.2734	4.4669	0.0000
	visitatio_rate	0.1477	0.2494	0.5920	0.5538
Cistus ladanifer	(Intercept)	2.5362	0.5217	4.8610	0.0000
	visitatio_rate	0.1494	0.3833	0.3898	0.6967
Cistus libanotis	(Intercept)	3.6728	1.5934	2.3049	0.0212
	visitatio_rate	3.7488	6.7995	0.5513	0.5814
Cistus monspeliensis	(Intercept)	0.7588	1.3407	0.5659	0.5714
	visitatio_rate	7.8653	3.9235	2.0046	0.0450
Cistus salviifolius	(Intercept)	2.7814	0.2589	10.7417	0.0000
	visitatio_rate	-0.2649	0.3365	-0.7873	0.4311
Halimium calycinum	(Intercept)	2.1395	1.2107	1.7672	0.0772
	visitatio_rate	1.5875	2.8199	0.5630	0.5735
Halimium halimifolium	(Intercept)	1.5431	0.2835	5.4431	0.0000
	visitatio_rate	-0.2264	0.6535	-0.3464	0.7290
Lavandula pedunculata	(Intercept)	1.4960	0.1889	7.9175	0.0000
	visitatio_rate	0.3205	0.5724	0.5598	0.5756
Lavandula stoechas	(Intercept)	1.7974	0.2195	8.1890	0.0000
	visitatio_rate	-0.1744	0.1742	-1.0010	0.3168
Salvia rosmarinus	(Intercept)	1.4235	1.0810	1.3168	0.1879
	visitatio_rate	-3.4790	0.8607	-4.0419	0.0001
Teucrium fruticans	(Intercept)	2.0589	0.9937	2.0720	0.0383
	visitatio_rate	0.3900	0.6451	0.6044	0.5455

Seed numbers

Summary of models for seed numbers per plant species

Richness

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	3.4654	1.3493	2.5683	2.8916	0.0857
	richness	0.2472	0.4466	0.5534	9.0430	0.5934
Cistus crispus	(Intercept)	36.5708	2.8143	12.9948	38.0376	0.0000
	richness	-1.2043	0.8402	-1.4334	66.9649	0.1564
Cistus ladanifer	(Intercept)	443.3220	71.2054	6.2260	50.0000	0.0000
	richness	5.2570	32.6053	0.1612	50.0000	0.8726
Cistus libanotis	(Intercept)	15.4273	2.5804	5.9788	13.0000	0.0000
	richness	-0.3443	0.8106	-0.4247	13.0000	0.6780
Cistus monspeliensis	(Intercept)	10.7600	3.5884	2.9986	1.7997	0.1083
	richness	1.3748	0.6913	1.9886	8.0064	0.0819
Cistus salviifolius	(Intercept)	39.9552	3.5938	11.1178	29.6818	0.0000
	richness	-0.8252	1.4612	-0.5647	61.6271	0.5743
Halimium calycinum	(Intercept)	2.8867	0.5884	4.9059	9.9205	0.0006
	richness	-0.1654	0.2874	-0.5757	15.1218	0.5733
Halimium halimifolium	(Intercept)	20.3568	3.1181	6.5286	25.7681	0.0000
	richness	-0.3179	0.9742	-0.3263	38.7013	0.7459
Lavandula pedunculata	(Intercept)	1.8099	0.2404	7.5281	20.0309	0.0000
	richness	0.1655	0.0746	2.2189	41.4257	0.0320
Lavandula stoechas	(Intercept)	1.7900	0.3164	5.6580	14.9116	0.0000
	richness	0.1081	0.1144	0.9452	17.2719	0.3576
Salvia rosmarinus	(Intercept)	2.1681	0.3939	5.5038	9.7665	0.0003
	richness	0.2273	0.1843	1.2329	7.3524	0.2556
Teucrium fruticans	(Intercept)	3.0030	1.2301	2.4413	4.7547	0.0611
	richness	-0.0203	0.3141	-0.0647	8.3222	0.9499

Visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.7912	0.9741	4.9186	2.1984	0.0321
	visitatio_rate	-2.3007	0.7880	-2.9198	10.0665	0.0152
Cistus crispus	(Intercept)	33.0723	2.2014	15.0230	18.5426	0.0000
	visitatio_rate	0.2652	2.0614	0.1287	65.0385	0.8980
Cistus ladanifer	(Intercept)	434.4788	49.5054	8.7764	50.0000	0.0000
	visitatio_rate	19.9018	38.1184	0.5221	50.0000	0.6039
Cistus libanotis	(Intercept)	18.4116	2.4443	7.5324	13.0000	0.0000
	visitatio_rate	-12.3331	6.8112	-1.8107	13.0000	0.0933
Cistus monspeliensis	(Intercept)	14.6758	3.8979	3.7651	1.3623	0.1117
	visitatio_rate	-1.9138	12.6807	-0.1509	8.8220	0.8834
Cistus salviifolius	(Intercept)	42.2472	2.7703	15.2500	11.2023	0.0000
	visitatio_rate	-7.8955	3.1032	-2.5443	61.6521	0.0135
Halimium calycinum	(Intercept)	2.6921	0.2993	8.9950	4.7195	0.0004
	visitatio_rate	-0.2679	0.3988	-0.6718	14.8252	0.5121
Halimium halimifolium	(Intercept)	17.5450	2.4622	7.1257	16.6106	0.0000
	visitatio_rate	6.9085	5.3574	1.2895	37.6092	0.2051
Lavandula pedunculata	(Intercept)	2.3285	0.2140	10.8807	16.9954	0.0000
	visitatio_rate	-1.3882	1.2719	-1.0914	44.2517	0.2810
Lavandula stoechas	(Intercept)	2.0226	0.2486	8.1365	6.9469	0.0001
	visitatio_rate	-0.1259	0.3576	-0.3521	16.3344	0.7293
Salvia rosmarinus	(Intercept)	2.5472	0.2466	10.3310	7.5006	0.0000
	visitatio_rate	0.0913	0.5837	0.1564	7.8366	0.8796
Teucrium fruticans	(Intercept)	3.4215	1.3129	2.6061	1.1841	0.2008
	visitatio_rate	-1.3499	1.0419	-1.2956	8.9790	0.2274

Seed weight

Summary of models for seed weight per plant species

Richness

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0243	0.0036	6.7263	12.0000	0.0000
	richness	-0.0043	0.0017	-2.6046	12.0000	0.0230
Cistus crispus	(Intercept)	0.0181	0.0017	10.6510	38.9028	0.0000
	richness	-0.0004	0.0005	-0.8496	66.8890	0.3986
Cistus ladanifer	(Intercept)	0.1210	0.0201	6.0328	26.8825	0.0000
	richness	0.0015	0.0088	0.1680	49.8533	0.8673
Cistus libanotis	(Intercept)	0.0101	0.0026	3.9190	13.0000	0.0018
	richness	0.0009	0.0008	1.1408	13.0000	0.2745
Cistus monspeliensis	(Intercept)	0.0120	0.0050	2.3829	1.6927	0.1624
	richness	0.0016	0.0009	1.7029	8.0056	0.1270
Cistus salviifolius	(Intercept)	0.0451	0.0040	11.3906	62.0000	0.0000
	richness	-0.0007	0.0017	-0.4005	62.0000	0.6902
Halimium calycinum	(Intercept)	0.0078	0.0029	2.7026	8.7498	0.0249
	richness	-0.0005	0.0014	-0.3319	14.2839	0.7448
Halimium halimifolium	(Intercept)	0.0108	0.0027	3.9765	39.0000	0.0003
	richness	-0.0001	0.0009	-0.1582	39.0000	0.8751
Lavandula pedunculata	(Intercept)	0.0011	0.0002	5.5846	19.7439	0.0000
	richness	0.0000	0.0001	-0.2808	41.2723	0.7803
Lavandula stoechas	(Intercept)	0.0006	0.0001	5.4273	14.1182	0.0001
	richness	0.0000	0.0000	0.4682	16.8254	0.6457
Salvia rosmarinus	(Intercept)	0.0006	0.0001	4.1715	10.0000	0.0019
	richness	0.0000	0.0001	-0.6764	10.0000	0.5141
Teucrium fruticans	(Intercept)	0.0019	0.0015	1.2443	9.0000	0.2448
	richness	0.0005	0.0004	1.2202	9.0000	0.2534

Visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0170	0.0042	4.0849	2.3197	0.0426
	visitatio_rate	-0.0065	0.0062	-1.0491	10.0502	0.3187
Cistus crispus	(Intercept)	0.0168	0.0013	13.3075	19.6706	0.0000
	visitatio_rate	0.0001	0.0012	0.0457	65.7685	0.9637
Cistus ladanifer	(Intercept)	0.1139	0.0147	7.7355	10.2480	0.0000
	visitatio_rate	0.0100	0.0102	0.9786	49.9932	0.3325
Cistus libanotis	(Intercept)	0.0166	0.0026	6.4686	13.0000	0.0000
	visitatio_rate	-0.0123	0.0071	-1.7165	13.0000	0.1098
Cistus monspeliensis	(Intercept)	0.0159	0.0051	3.0959	1.3450	0.1450
	visitatio_rate	0.0011	0.0163	0.0683	8.7824	0.9471
Cistus salviifolius	(Intercept)	0.0488	0.0027	17.7958	62.0000	0.0000
	visitatio_rate	-0.0095	0.0035	-2.7560	62.0000	0.0077
Halimium calycinum	(Intercept)	0.0073	0.0014	5.2540	3.7255	0.0076
	visitatio_rate	-0.0018	0.0021	-0.8611	15.8657	0.4020
Halimium halimifolium	(Intercept)	0.0108	0.0021	5.1510	39.0000	0.0000
	visitatio_rate	-0.0011	0.0052	-0.2066	39.0000	0.8374
Lavandula pedunculata	(Intercept)	0.0013	0.0002	7.3989	15.3061	0.0000
	visitatio_rate	-0.0021	0.0009	-2.2726	43.2801	0.0281
Lavandula stoechas	(Intercept)	0.0007	0.0001	7.2630	6.6904	0.0002
	visitatio_rate	-0.0001	0.0001	-0.7786	15.6946	0.4478
Salvia rosmarinus	(Intercept)	0.0005	0.0001	6.9770	10.0000	0.0000
	visitatio_rate	-0.0001	0.0002	-0.3765	10.0000	0.7144
Teucrium fruticans	(Intercept)	0.0032	0.0012	2.7775	9.0000	0.0215
	visitatio_rate	0.0006	0.0013	0.4303	9.0000	0.6771