

Linear regression model statistics						Quadratic regression model statistics										
metric	P	R2.linear	est	stderr	t	metric	P	R2.adj	est	stderr	t	p.term	est.quad	stderr.quad	t.quad	p.term.quad
C_MinM	0.004	0.202	-0.255	0.082	-3.098	C_MinM	0.003	0.237	-0.688	0.235	-2.927	0.006	1.335	0.683	1.955	0.058
clim_pdry	0.000	0.375	0.001	0.000	4.774	clim_pdry	0.000	0.341	0.001	0.002	0.345	0.732	0.000	0.000	0.137	0.892
clim_pwet	0.000	0.390	0.000	0.000	4.932	clim_pwet	0.000	0.357	0.000	0.000	0.522	0.605	0.000	0.000	0.068	0.946
clim_tcld	0.050	0.098	0.016	0.008	2.027	clim_tcld	0.031	0.126	0.446	0.239	1.869	0.069	-0.015	0.008	-1.805	0.079
clim_tsea	0.000	0.349	-0.001	0.000	-4.514	clim_tsea	0.000	0.341	-0.009	0.006	-1.376	0.177	0.000	0.000	1.223	0.229
CVAnnHSMeanDur	0.013	0.152	-0.156	0.060	-2.609	CVAnnHSMeanDur	0.031	0.127	-0.573	0.445	-1.287	0.206	0.437	0.463	0.944	0.351
						CVAnnHSPeak	0.027	0.133	-0.486	0.223	-2.177	0.036	0.350	0.143	2.445	0.019
exotics	0.032	0.115	-0.087	0.039	-2.224											
FRic.SES	0.050	0.098	-0.048	0.023	-2.029											
HSMeanDur	0.010	0.164	-0.013	0.005	-2.727	HSMeanDur	0.001	0.260	-0.107	0.036	-2.990	0.005	0.008	0.003	2.659	0.012
leaf.area	0.023	0.129	0.015	0.006	2.371	leaf.area	0.016	0.157	0.073	0.033	2.230	0.032	-0.006	0.003	-1.817	0.077
						LSPeak.mod	0.035	0.121	0.085	0.041	2.086	0.044	-0.177	0.066	-2.701	0.010
M_MinM	0.023	0.129	0.740	0.312	2.374	M_MaxM.mod	0.003	0.225	0.073	0.021	3.501	0.001	-0.027	0.007	-3.623	0.001
M_MinM.mod	0.000	0.392	0.071	0.014	4.954	M_MinM.mod	0.000	0.397	0.105	0.026	4.002	0.000	-0.035	0.023	-1.521	0.137
MDFAnnHSNum	0.041	0.105	0.023	0.011	2.114											
MDFMDFDry.mod	0.031	0.116	-0.044	0.020	-2.238	MDFMDFDry.mod	0.000	0.314	-0.228	0.053	-4.271	0.000	0.137	0.038	3.638	0.001
production_dryland	0.010	0.162	0.151	0.056	2.707	production_dryland	0.003	0.237	0.508	0.157	3.239	0.003	-0.806	0.334	-2.414	0.021
						seed.mass	0.022	0.143	0.136	0.047	2.914	0.006	-0.039	0.014	-2.783	0.008
soil_phc	0.000	0.321	-0.080	0.019	-4.241	soil_phc	0.001	0.291	-0.444	0.630	-0.705	0.485	0.036	0.062	0.578	0.567
soil_pto	0.037	0.110	-1.015	0.469	-2.164	soil_pto	0.047	0.107	-3.919	2.166	-1.809	0.079	27.036	19.698	1.372	0.178
soil_soc	0.004	0.202	0.034	0.011	3.100	soil_soc	0.015	0.159	0.027	0.077	0.356	0.724	0.001	0.010	0.091	0.928

Figure 0.1: Univariate OLS regression statistics for species richness.

Linear regression model statistics						Quadratic regression model statistics									
<i>metric</i>	<i>P</i>	<i>R2.linear</i>	<i>est</i>	<i>stderr</i>	<i>t</i>	<i>metric</i>	<i>p</i>	<i>R2.adj</i>	<i>est</i>	<i>stderr</i>	<i>t</i>	<i>p.term</i>	<i>est.quad</i>	<i>stderr.quad</i>	<i>t.quad</i>
C_MaxM	0.033	0.114	1.155	0.523	2.209	C_MinM	0.045	0.109	3.528	1.669	2.114	0.041	-7.163	4.845	-1.478
C_MinM	0.042	0.104	1.207	0.573	2.104	clim_pdry	0.015	0.161	-0.006	0.016	-0.389	0.699	0.000	0.000	0.075
clim_pdry	0.003	0.203	-0.005	0.002	-3.116	clim_pwet	0.005	0.205	-0.001	0.003	-0.346	0.732	0.000	0.000	-0.076
clim_pwet	0.001	0.246	-0.001	0.000	-3.518	clim_tsea	0.004	0.215	0.069	0.046	1.494	0.144	0.000	0.000	-1.384
clim_tsea	0.002	0.217	0.005	0.002	3.242	CVAnnBFI	0.012	0.170	6.141	2.246	2.734	0.010	-5.396	2.171	-2.486
CVAnnHSMeanDur	0.004	0.200	1.179	0.382	3.084	CVAnnHSMeanDur	0.009	0.182	4.169	2.831	1.473	0.149	-3.137	2.943	-1.066
CVAnnHSNum	0.025	0.125	0.303	0.130	2.326	CVAnnHSNum	0.023	0.141	2.223	1.169	1.902	0.065	-0.726	0.439	-1.652
FDis.SES	0.005	0.191	0.156	0.052	2.994	FDis.SES	0.011	0.175	0.173	0.054	3.193	0.003	-0.048	0.044	-1.108
HSMeanDur	0.007	0.178	0.086	0.030	2.865	HSMeanDur	0.005	0.213	0.551	0.243	2.272	0.029	-0.041	0.021	-1.932
LSPeak	0.010	0.163	-6.065	2.234	-2.715	LSPeak	0.031	0.127	-13.083	11.086	-1.180	0.245	49.502	76.569	0.647
MDFAnnHSNum	0.000	0.292	-0.254	0.064	-3.958	MDFAnnHSNum	0.001	0.284	0.143	0.321	0.446	0.658	-0.088	0.069	-1.262
MDFAnnHSNum.mod	0.017	0.142	-0.457	0.182	-2.507	MDFAnnHSNum.mod	0.039	0.115	-0.824	0.444	-1.854	0.072	-0.658	0.727	-0.905
richness	0.050	0.098	-2.052	1.012	-2.029	MDFMDFDry.mod	0.020	0.147	1.135	0.391	2.906	0.006	-0.712	0.275	-2.584
soil_nton	0.016	0.144	-3.177	1.259	-2.525	soil_nton	0.043	0.110	3.699	9.453	0.391	0.698	-18.071	24.619	-0.734
soil_phc	0.007	0.178	0.391	0.136	2.873	soil_phc	0.019	0.150	4.214	4.528	0.931	0.358	-0.376	0.445	-0.845
soil_soc	0.001	0.257	-0.255	0.070	-3.628	soil_soc	0.004	0.218	-0.362	0.489	-0.741	0.464	0.015	0.066	0.221

Figure 0.2: Univariate OLS regression statistics for FRic.SES.

Linear regression model statistics						Quadratic regression model statistics									
<i>metric</i>	<i>P</i>	<i>R2.linear</i>	<i>est</i>	<i>stderr</i>	<i>t</i>	<i>metric</i>	<i>p</i>	<i>R2.adj</i>	<i>est</i>	<i>stderr</i>	<i>t</i>	<i>p.term</i>	<i>est.quad</i>	<i>stderr.quad</i>	<i>t.quad</i>
C_MaxM	0.030	0.118	3.287	1.457	2.257	C_MaxM	0.000	0.321	39.627	9.921	3.994	0.000	-52.868	14.316	-3.693
clim_pwet	0.017	0.140	-0.003	0.001	-2.492	clim_pwet	0.028	0.131	0.009	0.010	0.943	0.352	0.000	0.000	-1.256
CVAnnHSMeanDur	0.025	0.126	2.612	1.116	2.341										
CVAnnHSNum	0.038	0.108	0.789	0.367	2.149										
flowering.duration	0.029	0.120	1.598	0.703	2.274										
FRic.SES	0.005	0.191	1.220	0.407	2.994	FRic.SES	0.000	0.334	1.357	0.367	3.693	0.001	-3.118	0.968	-3.219
HSMeanDur	0.028	0.121	0.197	0.086	2.285										
LSPeak	0.011	0.158	-16.695	6.254	-2.670	LSPeak	0.033	0.124	4.252	31.016	0.137	0.892	-147.752	214.215	-0.690
maximum.height	0.000	0.277	-0.573	0.150	-3.813	maximum.height	0.000	0.302	1.220	0.983	1.241	0.223	-0.258	0.140	-1.844
MDFAnnHSNum	0.035	0.112	-0.439	0.201	-2.191										
MDFAnnHSNum.mod	0.016	0.144	-1.284	0.508	-2.524	MDFAnnHSNum.mod	0.023	0.141	-2.802	1.222	-2.293	0.028	-2.726	2.000	-1.363
seed.mass	0.005	0.193	-0.694	0.230	-3.013	seed.mass	0.002	0.245	-2.362	0.802	-2.946	0.006	0.525	0.243	2.164
soil_nton	0.046	0.101	-7.426	3.601	-2.062	soil_nton	0.043	0.111	33.457	26.387	1.268	0.213	-107.448	68.723	-1.563
soil_soc	0.001	0.243	-0.692	0.198	-3.491	soil_soc	0.000	0.344	2.803	1.250	2.242	0.031	-0.477	0.169	-2.826

Figure 0.3: Univariate OLS regression statistics for FDis.SES.

Linear regression model statistics						Quadratic regression model statistics										
metric	P	R2	est	stderr	t	metric	P	R2.adj	est	stderr	t	p.term	est.quad	stderr.quad	t.quad	p.term.quad
						BFI	0.028	0.131	-4.563	1.628	-2.802	0.008	9.286	3.351	2.771	0.009
C_MaxM	0.011	0.157	0.802	0.302	2.657	C_MaxM	0.043	0.111	0.606	2.404	0.252	0.802	0.284	3.469	0.082	0.935
C_MinM	0.008	0.169	0.908	0.327	2.780	C_MinM	0.013	0.167	2.153	0.954	2.257	0.030	-3.840	2.770	-1.387	0.174
C_MinM.mod	0.026	0.124	0.052	0.023	2.319	C_MinM.mod	0.025	0.136	0.136	0.057	2.383	0.022	-0.039	0.025	-1.592	0.120
clim_pdry	0.006	0.185	-0.003	0.001	-2.939	clim_pdry	0.005	0.207	-0.018	0.009	-2.058	0.047	0.000	0.000	1.758	0.087
clim_pwet	0.011	0.157	-0.001	0.000	-2.664	clim_pwet	0.005	0.212	-0.005	0.002	-2.493	0.017	0.000	0.000	2.171	0.036
clim_tsea	0.002	0.219	0.003	0.001	3.260	clim_tsea	0.007	0.193	0.027	0.028	0.979	0.334	0.000	0.000	-0.869	0.390
conservation	0.039	0.107	-0.448	0.210	-2.138	conservation_w	0.017	0.155	-2.184	0.871	-2.509	0.017	3.296	1.608	2.050	0.047
CVAnnBFI	0.000	0.329	0.726	0.168	4.319	CVAnnBFI	0.000	0.412	-2.305	1.119	-2.060	0.046	2.958	1.081	2.736	0.009
CVAnnHSMeanDur	0.023	0.129	0.560	0.236	2.376	CVAnnLSMeanDur	0.005	0.208	0.013	0.910	0.015	0.988	0.335	0.608	0.550	0.585
CVAnnLSMeanDur	0.001	0.243	0.508	0.146	3.489											
CVAnnLSNum	0.005	0.193	1.189	0.395	3.014	CVAnnLSNum	0.014	0.164	4.016	3.474	1.156	0.255	-3.303	4.033	-0.819	0.418
CVMDFDry	0.047	0.100	0.089	0.043	2.055	CVMDFDry	0.000	0.412	-0.498	0.128	-3.899	0.000	0.201	0.042	4.767	0.000
						CVMDFDry.mod	0.040	0.114	0.576	0.247	2.331	0.025	1.421	0.540	2.630	0.012
HSPeak	0.049	0.098	0.004	0.002	2.037	HSPeak	0.010	0.177	-0.014	0.007	-1.850	0.072	0.000	0.000	2.394	0.022
intensive	0.038	0.108	-0.443	0.207	-2.146											
leaf.area	0.000	0.325	-0.090	0.021	-4.273	leaf.area	0.000	0.467	-0.441	0.101	-4.357	0.000	0.033	0.009	3.530	0.001
						LSMeanDur	0.000	0.569	-0.039	0.007	-6.006	0.000	0.001	0.000	6.789	0.000
						LSPeak.mod	0.048	0.105	-0.345	0.160	-2.151	0.038	0.660	0.257	2.568	0.014
						M_MaxM	0.006	0.202	-24.821	7.484	-3.317	0.002	161.452	52.104	3.099	0.004
						M_MinM	0.041	0.113	-24.464	9.471	-2.583	0.014	106.980	42.899	2.494	0.017
production_dryland	0.047	-0.462	0.225	-2.055	0.100											
production_irrigated	0.000	5.523	1.440	3.836	0.279	production_irrigated	0.000	0.370	-4.759	3.959	-1.202	0.237	233.220	84.597	2.757	0.009
production_natural	0.002	0.375	0.111	3.388	0.232	production_natural	0.007	0.193	0.154	0.612	0.252	0.803	0.213	0.580	0.367	0.715
richness	0.032	-1.318	0.593	-2.224	0.115											
soil_der	0.017	-0.018	0.007	-2.487	0.140	soil_onto	0.044	0.109	11.681	5.594	2.088	0.044	-33.185	14.570	-2.278	0.029
soil_phc	0.001	0.269	0.077	3.485	0.242	soil_phc	0.006	0.201	0.102	2.597	0.039	0.969	0.016	0.255	0.064	0.949
wood.density	0.000	2.160	0.491	4.403	0.338	wood.density	0.000	0.366	-13.597	8.182	-1.662	0.105	12.371	6.413	1.929	0.061

Figure 0.4: Univariate OLS regression statistics for exotic abundance.