Fewer berries and more pods: losers and winners of chronic disturbance in an Ecuadorian tropical dry forest

Oecologia

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Table S5. Output of the generalized linear models for plant traits associated with seed dispersal. We used three explanatory variables; chronic disturbance (CDI), elevation and interaction of these two variables (CDI:E). We adjusted three models for each measured trait: i) complete model; it is a model with CDI, elevation and CDI:E, ii) model without interaction; CDI and elevation, and iii) reduced model; only CDI. We used four error distribution structures; gamma error distribution with three link functions and the quasipoisson error distribution. The summary of the models is showed as estimate [low confidence, high confidence]. The table includes the results of the best models and error distribution structure as *error distribution (link function)*.

a. Richness of trees and shrubs as resources for frugivorous.

	Birds	Micromammals	Reptiles	Mammals - non ungulate	Ungulates
Trees					
CDI	-0.81 **	-0.32	-0.33 *	-0.41 **	-0.03
	[-1.40, -0.22]	[-0.69, 0.06]	[-0.64, -0.01]	[-0.69, -0.12]	[-0.12, 0.06]
Elevation	-0.69	1.38 *	-0.42	-0.29	
	[-1.67, 0.29]	[0.09, 2.66]	[-0.94, 0.09]	[-0.76, 0.18]	
CDI:E	1.34 *	1.44	0.66 *	0.85 **	
	[0.26, 2.41]	[-0.21, 3.10]	[0.10, 1.23]	[0.33, 1.37]	
N	72	72	72	72	72
AIC	-43.93	-318.69	-16.61	-30.09	-46.3
BIC	-32.54	-307.31	-5.23	-18.71	-39.47
Pseudo R2	-0.22	0	-0.24	-0.82	-0.01
Trees and shrubs					
CDI	-0.20 *	2.39 **	0.02	-0.38 *	0
	[-0.37, -0.03]	[0.86, 3.91]	[-0.08, 0.11]	[-0.68, -0.08]	[-0.10, 0.09]
Elevation	-0.17			-0.3	
	[-0.48, 0.14]			[-0.79, 0.20]	
CDI:E	0.37 *			0.81 **	
	[0.02, 0.71]			[0.27, 1.36]	
N	72	72	72	72	72
AIC	-61.05	-243.6	-31.43	-22.92	-36.32
BIC	-49.67	-236.77	-24.6	-11.53	-29.49
Pseudo R2	-0.07	0	0	-0.72	0

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.

b. Abundance of trees and shrubs as resources for frugivorous.

	Birds	Micromammals	Reptiles	Mammals - non ungulate	Ungulates
Trees					
CDI	-1.01 ***	0.01	15.5	-1.48 *	-2.04 **
	[-1.44, -0.59]	[-0.01, 0.03]	[-0.14, 31.14]	[-2.79, -0.17]	[-3.48, -0.60]
Elevation		1.38 ***	18.47	-1.2	
		[1.00, 1.76]	[-5.09, 42.02]	[-3.37, 0.97]	
CDI:E			-25.84 *	2.98 *	
			[-51.16, -0.51]	[0.59, 5.37]	
N	72	72	72	72	72
AIC	-83.59	-441.52	-134.8	-96.08	-55.32
BIC	-76.76	-432.42	-123.42	-84.69	-48.49
Pseudo R2	-0.13	0	-0.01	-0.03	-0.05
Trees and shrubs					
CDI	-0.81 **	-0.32	-0.33 *	-0.41 **	-0.03
	[-1.40, -0.22]	[-0.69, 0.06]	[-0.64, -0.01]	[-0.69, -0.12]	[-0.12, 0.06]
Elevation	-0.69	1.38 *	-0.42	-0.29	
	[-1.67, 0.29]	[0.09, 2.66]	[-0.94, 0.09]	[-0.76, 0.18]	
CDI:E	1.34 *	1.44	0.66 *	0.85 **	
	[0.26, 2.41]	[-0.21, 3.10]	[0.10, 1.23]	[0.33, 1.37]	
N	72	72	72	72	72
AIC	-43.93	-318.69	-16.61	-30.09	-46.3
BIC	-32.54	-307.31	-5.23	-18.71	-39.47
Pseudo R2	-0.22	0	-0.24	-0.82	-0.01

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.