Pollination Example



Parameter	Code	Variable	Source	Description
d	d	Euclidean distance	UTM coordinates	Distance between sampling locations in metres
m	dbh	Diameter at breast height	Field measurements	Diameter of maternal tree trunk at breast height in centimetres
	pctsky	Canopy openness	Canopy photographs	Per cent of open sky above the maternal tree
	clump	Canopy clumping	Canopy photographs	Degree of clumping of canopy above maternal tree
	flor	Floral output	Field measurements	Total number of inflorescences per maternal tree
е	open	Open fields	Hyperspectral imagery	Variance of probability of open canopy occurrence due to fields along transect between maternal trees
	decid	Deciduous primary canopy	Hyperspectral imagery	Mean probability of mixed hardwood canopy occurrence in the forest overstory along transects between maternal trees
	pine	Pine primary canopy	Hyperspectral imagery	Variance of probability of conifer canopy occurrence in overstory along transects between maternal trees
	roads	Roads	LIDAR	Mean probability of open corridor occurrence due to roads along transects between maternal trees
	cornus	Cornus canopy	Field locations of dogwoods	Mean occurrence of Cornus florida canopy in understory along transects between maternal trees

Parameter: indicates whether the parameter in the gravity model (eqn 1) represents spatial distance between sites (d), at-site variables (m) or between-site ecological variables (e).

Pollination Example



Model parameters	R^2	AIC	∂AIC	w_i
d + m(clump) + m(flor) + m(dbh) + m(pctsky) + e(open) + e(roads) + e(cornus) + e(decid) + e(pine)	0.57	71.60	23.51	$4.0e^{-6}$
d + m(clump) + m(flor) + m(pctsky) + e(open) + e(roads) + e(cornus) + e(decid) + e(pine)	0.57	68.11	20.01	$2.0e^{-5}$
d + m(clump) + m(flor) + e(open) + e(roads) + e(cornus) + e(decid) + e(pine)	0.56	67.14	19.04	$3.3e^{-5}$
m(clump) + m(flor) + e(open) + e(roads) + e(cornus) + e(decid) + e(pine)	0.56	61.90	13.81	$4.5e^{-4}$
m(clump) + m(flor) + e(open) + e(roads) + e(decid) + e(pine)	0.55	58.14	10.04	0.003
m(clump) + m(flor) + e(open) + e(roads) + e(decid)	0.54	53.08	4.99	0.037
m(clump) + m(flor) + e(open) + e(decid)	0.56	48.09	0	0.450
n(clump) + m(flor) + e(open)		49.00	0.91	0.292
m(flor) + e(open)	0.58	49.52	1.43	0.222
d	0.50	61.37	13.27	$5.9e^{-4}$

Parameter prefixes indicate predictor variable as Euclidean distance (d), variable measured at the location of the individual tree (m) or features of the intervening landscape (e).