

Supplementary Material

Model Output from top model explaining calling activity of the Mountain Frog (*Philoria kundagungan*)

Family: Tweedie(1.5)

Link function: log

Formula:

calls ~ s(minimum_temperature) + s(site, Season, bs = "re")

Parametric coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	6.2611	0.4903	12.77	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Approximate significance of smooth terms:

	edf	Ref.df	F	p-value
s(minimum_temperature)	4.506	4.895	26.55	<2e-16 ***
s(Season,site)	9.871	10.000	58.72	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

R-sq.(adj) = 0.363 Deviance explained = 42.3%

fREML = 5972.2 Scale est. = 104.13 n = 1752