

Table S6. Probability of lions observed scavenging during the daytime. Scavenging was more common during the brightest phase of the moon and in the Serengeti plains and woodlands, but less common during the wet season in the woodlands.

SCAVENGING

Call: glm(formula = count ~ luminosity + habitat*season, family = Poisson)

Deviance Residuals:

Min	1Q	Median	3Q	Max
-2.8081	-0.9708	-0.2116	0.6237	2.5691

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-0.5140	0.2871	-1.79	7.34E-02
Luminosity	0.8148	0.1763	4.62	3.83E-06
PlainsHabitat	1.1896	0.3052	3.898	9.72E-05
WoodsHabitat	1.7304	0.2900	5.968	2.41E-09
WetSeason	0.6931	0.3273	2.118	0.034199
Plains:WetSeason	-0.3171	0.3792	-0.836	0.403034
Woods:WetSeason	-1.3490	0.3797	-3.553	0.000381

(Dispersion parameter for Poisson family taken to be 1)

Null deviance: 197.64 on 89 degrees of freedom

Residual deviance: 08.34 on 83 degrees of freedom

AIC: 352.89

Number of Fisher Scoring iterations: 5

Analysis of Deviance Table

Model 1: count ~ habitat * season

Model 2: count ~ luminosity + habitat * season

	Resid. Df	Resid. Dev	Df	Deviance	P(> χ^2)
w/o luminosity	84	130.347			
w/ luminosity	83	108.338	1	22.009	2.71E-06