

**Appendix 2.** Model output from a generalized linear mixed-effects model, using the distance moved per hour ( $m\ hr^{-1}$ ) as response, in Kori bustard ( $n=8$ ) located in Greater Serengeti-Mara Ecosystem in 2013 and 2014. The model contained “Time-of-day” (3 levels: Morning, Afternoon and Night) and Sex (2 levels: Female and Male) as fixed effects, and a random effect (individual identity). Morning and Female were selected as reference levels.

	<b>Estimate</b>	<b>SE</b>	<b>Z</b>	<b>P</b>
Intercept	5.75	0.20	28.62	< <b>0.001</b> ***
<b>Time-of-day (Afternoon)</b>	<b>-0.42</b>	<b>0.04</b>	<b>-9.61</b>	< <b>0.001</b> ***
<b>Time-of-day (Night)</b>	<b>-2.36</b>	<b>0.08</b>	<b>-28.70</b>	< <b>0.001</b> ***
Sex (Male)	0.24	0.30	0.79	0.433