S6 Appendix. Known fate model selection results

Ranking of known-fate models considered for estimation of annual survival for four stage-classes of golden eagles radio-tagged in the vicinity of the Altamont Pass windfarm, 1994–2000. We modeled time effects as constant (.) or varying among seasonal (3-mo) time intervals (t). Results shown are based on analyses that included all anthropogenic-caused deaths.

Stage class and					
model	AIC_c	ΔAIC_c	AIC _c weight	No. parameters	Deviance
Juveniles					
$\{S(t)\}$	120.860	0.00	0.671	4	3.081
{S(.)}	123.393	2.53	0.189	1	11.727
${S(sex)}$	124.846	3.99	0.091	2	11.155
$\{S(\text{sex}*t)\}$	126.112	5.25	0.049	8	0.000
Subadults					
{S(.)}	321.172	0.00	0.718	1	26.736
$\{S(sex)\}$	323.101	1.93	0.274	2	26.654
$\{\mathbf{S}(t)\}$	330.124	8.95	0.008	12	13.275
$\{S(\text{sex}*t)\}$	342.064	20.89	0.000	24	0.000
Floaters					
{S(.)}	117.454	0.00	0.713	1	26.993
$\{S(sex)\}$	119.359	1.91	0.275	2	26.873
$\{\mathbf{S}(t)\}$	125.696	8.24	0.012	12	12.247
$\{S(\text{sex}*t)\}$	140.449	22.99	0.000	24	0.000
Breeders					
{S(.)}	114.491	0.00	0.732	1	27.404
$\{S(sex)\}$	116.506	2.01	0.267	2	27.403
$\{\mathbf{S}(t)\}$	129.775	15.28	0.000	16	11.534
$\{S(\text{sex}*t)\}$	153.751	39.26	0.000	32	0.000

 AIC_c = Akaike's Information Criterion adjusted for small sample size, \triangle AIC_c = difference between the AIC_c value of each model and the lowest AIC_c model, AIC_c wt = Akaike weight.