ESTIMATING APPARENT SURVIVAL IN BLACK-HEADED GULLS *Chroicocephalus ridibundus*: EFFECTS OF SEX, AGE, AND OBSERVER DISTRIBUTION BIAS

Procjena preživljavanja riječnih galeba Chroicocephalus ridibundus: utjecaj spola, dobi i neravnomjerne raspodjele opažača

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Table S1. BaSTA model comparison between Covariates and minimun age. Model GO-simple Gompertz mortality mode

Tablica S1. *Usporedba BaSTA modela prema kovarijatima i minimalnoj dobi korištenjem jednostavnog Gompertzova modela mortaliteta*

Covariate	Minimun age 0		Minimum age 1	
	DIC	ΔDIC	DIC	ΔDIC
Country	**53445.59**	0.00	**33506.91**	0.00
Age	57422.30	3976.71	36507.78	3000.87
Sex	59441.16	5995.57	37030.23	3523.32

Table S2. Posterior parameter estimates of the Gompertz BaSTA model with country as a covariate

Tablica S2. *Posteriorne procjene parametara Gompertzova BaSTA modela s državom kao kovarijatom*

Parameter	Minimun age 0			Minimum age 1		
	Mean	SD	95% CI	Mean	SD	95% CI
b0.country1	-2.435	0.031	-2.494, -2.376	-1.948	0.030	-2.007, -1.889
b0.country0	-0.652	0.012	-0.675, -0.629	-0.570	0.016	-0.599, -0.539
b1.country1	0.170	0.005	0.160, 0.181	0.118	0.006	0.106, 0.130
b1.country0	0.0006	0.0006	0.00002, 0.00213	0.0004	0.0004	0.00001, 0.0013
π	0.811	0.003	0.805, 0.817	0.831	0.003	0.825, 0.836

Table S3. Posterior parameter estimates of the Gompertz BaSTA model with sex as a covariate
Tablica S3. *Posteriorne procjene parametara Gompertzova BaSTA modela sa spolom kao kovarijatom*

Parameter	Minimun age 0			Minimum age 1		
	Mean	**SD**	**95% CI**	**Mean**	**SD**	**95% CI**
b0.Female	-1.197	0.041	-1.283, -1.120	-1.229	0.054	-1.345, -1.129
b0.Male	-1.307	0.042	-1.393, -1.229	-1.311	0.049	-1.410, -1.219
b0.Unknown	-1.141	0.012	-1.165, -1.117	-1.090	0.013	-1.115, -1.065
b1.Female	0.0093	0.0073	0.0003, 0.0275	0.0136	0.0104	0.0006, 0.0386
b1.Male	0.0162	0.0091	0.0014, 0.0355	0.0185	0.0110	0.0014, 0.0426
b1.Unknown	0.0026	0.0021	0.00008, 0.0078	0.0008	0.0008	0.00002, 0.0029
π	0.805	0.003	0.799, 0.811	0.828	0.003	0.823, 0.833

Table S4. Posterior parameter estimates of the Gompertz BaSTA model with age as a covariate
Tablica S4. *Posteriorne procjene parametara Gompertzova BaSTA modela s dobi kao kovarijatom*

Parameter	Minimun age 0			Minimum age 1		
	Mean	**SD**	**95% CI**	**Mean**	**SD**	**95% CI**
b0.Adult	-1.663	0.023	-1.709, -1.618	-1.003	0.014	-1.031, -0.975
b0.Juvenile	-0.911	0.013	-0.937, -0.885	-1.454	0.032	-1.518, -1.392
b1.Adult	0.0915	0.0049	0.0819, 0.1014	0.0005	0.0005	0.00001, 0.00184
b1.Juvenile	0.0003	0.0003	0.00001, 0.00119	0.0510	0.0082	0.0345, 0.0664
π	0.798	0.003	0.792, 0.804	0.830	0.003	0.825, 0.835