**Code S2**. SAS code used for the statistical analyses.

Flushing of focal birds

data cago17;

input date $ run $ direction $ cgtreat $ flushed $ cgID ad fid;

‘comment run = replicate, cg = companion group, cgtreat = blind or exposed, cgID = identity of the companion group, ad = alert distance, fid = flight-initiation distance’;

;

cards;

;

proc sort data = cago17;

 by flushed direction cgtreat ad fid;

run;

;

proc means data = cago17;

 by flushed direction;

 var ad fid;

run;

;

proc means data = cago17;

 by flushed cgtreat;

 var ad fid;

run;

;

proc means data = cago17;

 by flushed;

 var ad fid;

;

proc npar1way data = cago17;

 class flushed;

 var ad;

run;

;

proc npar1way data = cago17;

 class flushed;

 var fid;

run;

;

proc mixed data = cago17;

 class flushed direction cgtreat cgID;

 model ad = flushed direction cgtreat direction\*cgtreat/ ddfm = kr chisq solution outp = resids;

 random int / subject = cgID type = ar(1);

run;

;

proc plot data=resids;

 plot resid\*pred;

run;

proc univariate data = resids plot normal;

 var resid;

run;

;

proc mixed data = cago17;

 class flushed direction cgtreat cgID;

 model fid = flushed direction cgtreat direction\*cgtreat/ ddfm = kr chisq solution outp = resids;

 random int / subject = cgID type = ar(1);

run;

;

proc plot data=resids;

 plot resid\*pred;

run;

;

proc univariate data = resids plot normal;

 var resid;

run;

Run time (Time for the driver to cover the 251 m)-See definitions, above.

data cago17;

input date $ run oldcode $ direction $ cgtreat $ runtime runtimeadj light cgid;

comment runtime is uncorrected for evasive actions by driver;

cards;;

proc sort data = cago17;

 by direction;

run;

;

proc means data = cago17;

 by direction;

 var runtime runtimeadj;

run;

;

proc sort data = cago17;

 by cgtreat;

run;

;

proc means data = cago17;

 by cgtreat;

 var runtime runtimeadj;

run;

;

proc sort data = cago17;

 by direction cgtreat light cgid;

run;

;

proc mixed data = cago17;

 class direction cgtreat light cgid;

 model runtime = direction cgtreat direction\*cgtreat / solution cl outp = resids ddfm = kr;

 random int / subject = cgid type = ar(1);

 lsmeans direction cgtreat direction \* cgtreat/pdiff;

run;

;

proc plot data=resids;

 plot resid\*pred;

run;

;

proc univariate data = resids plot normal;

 var resid;

run;

;

proc mixed data = cago17;

 class direction cgtreat light cgid;

 model runtimeadj = direction cgtreat direction\*cgtreat / solution outp = resids ddfm = kr;

 random int / subject = cgid type = ar(1);

 lsmeans direction cgtreat direction\*cgtreat/pdiff;

run;

;

proc plot data=resids;

 plot resid\*pred;

run;

;

proc univariate data = resids plot normal;

 var resid;

run;

;

Main analyses-see definitions, above.

data cago17;

input date $ run direction $ cgtreat $ escape wind temp light ad fid cgid;

;

cards;

;

proc sort data = cago17;

 by direction cgtreat cgid wind temp light;

run;

;

proc means data = cago17;

 class direction cgtreat;

 var wind temp light;

run;

;

proc univariate normal plot data = cago17;

 var wind temp light;

run;

;

proc npar1way data = cago17;

 var wind temp light;

 class direction;

run;

;

proc npar1way data = cago17;

 var wind temp light;

 class cgtreat;

run;

;

proc sort data = cago17;

 by direction cgtreat cgid wind temp light;

run;

;

proc means data = cago17;

 class direction cgtreat;

 var ad fid;

run;

;

proc means data = cago17;

 class direction;

 var ad fid;

run;

;

proc means data = cago17;

 class cgtreat;

 var ad fid;

run;

;

;

proc mixed data = cago17;

 class direction cgtreat cgid;

 model ad = direction cgtreat direction\*cgtreat light / solution cl outp = resids ddfm = kr;

 random int / subject = cgid type = ar(1);

 lsmeans direction cgtreat direction \* cgtreat/pdiff;

run;

;

proc univariate normal plot data = resids;

 var resid;

run;

;

;

proc mixed data = cago17;

 class direction cgtreat cgid;

 model fid = direction cgtreat direction\*cgtreat light / solution cl outp = resids ddfm = kr;

 random int / subject = cgid type = ar(1);

 lsmeans direction cgtreat direction \* cgtreat/pdiff;

run;

;

proc univariate normal plot data = resids;

 var resid;

run;

;

;

proc glimmix data=cago17 empirical=mbn method=quad;

class direction cgtreat cgID;

model dependent = direction cgtreat direction\*cgtreat light /dist=mult link=clogit solution or(label);

random int / subject=cgid;

store gmxres;

run;