Readme data files for Delhey REVEALING THE COLOURFUL SIDE OF BIRDS: SPATIAL DISTRIBUTION OF CONSPICUOUS PLUMAGE COLOURS ON THE BODY OF AUSTRALIAN BIRDS

File: Delhey\_JAV02222\_data.csv | Raw data file

Variables:

Patch name: plumage patch. Patch abbreviations are as follows: fr = forehead, cr = crown, dn = dorsal neck, ubk = upper back, lbk = lower back, ru = rump, dtp = dorsal tail proximal, dtd = dorsal tail distal, ck = cheek, ws = wing covers, wp = wing primaries, th = throat, vn = ventral neck, ubr = upper breast, lbr = lower breast, be = belly, ve = vent.

Sp.code: identification code for each species

mean.cont.v.male: log10 mean chromatic contrast males V-type visual sensitivity

mean.cont.u.male: log10 mean chromatic contrast males U-type visual sensitivity

mean.cont.v.female: log10 mean chromatic contrast females V-type visual sensitivity

mean.cont.u.female: log10 mean chromatic contrast females U-type visual sensitivity

sex.dich.v: sexual dichromatism V-type visual sensitivities

sex.dich.u: sexual dichromatism U-type visual sensitivities

phylo.name: scientific name matching tip labels in phylogenies from [www.bridtree.org](http://www.bridtree.org)

patch.location: location on the body, either head (h), ventral (v) or dorsal (d).

File: TableS1.csv| Table S1. Posterior means and their 95% credible intervals corresponding to values of male and female conspicuousness and sexual dichromatism for each of 3 broad plumage regions (head, dorsal and ventral) computed for V-type and U-type visual sensitivities as depicted in Fig. 1 and Fig. S1 in red. Regions that do not share the same letter have statistically significant pairwise differences after Bonferroni correction (p < 0.016).

File: TableS2.csv | Table S2. Posterior means and their 95% credible intervals corresponding to values of male and female conspicuousness and sexual dichromatism for each of 17 plumage patches computed for V-type and U-type visual sensitivities as depicted in Fig. 1 and Fig. S1. Patches that do not share the same letter have statistically significant pairwise differences after Bonferroni correction (p < 0.00036). Patch abbreviations are as follows: fr = forehead, cr = crown, dn = dorsal neck, ubk = upper back, lbk = lower back, ru = rump, dtp = dorsal tail proximal, dtd = dorsal tail distal, ck = cheek, ws = wing covers, wp = wing primaries, th = throat, vn = ventral neck, ubr = upper breast, lbr = lower breast, be = belly, ve = vent.

File: TableS3.csv | Table S3. Table S3. Full details of all MCMCglmm models including posterior means and 95% credible intervals, effective sample sizes and p-values for fixed and random effects, and marginal and conditional R2 values. DIC refers to Deviance Information Criterion provided for each model as well. Note all response variables are log10-transformed to meet normality requirements.

File: | Background image for plots.

File: Plots.nb.html | R code to plot figures