**Model summaries tables for each species with the predictors social context and Day of season. Note: the parameter estimates were back transformed Exp, For easier interpretation.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
| *Leothlypis peregrina* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 4.27 | 2.61 – 6.98 | 0.24 | <.001 | 8.62 | 6.82 – 10.89 | 0.12 | <.001 | 2.24 | 1.21 – 4.18 | 0.31 | .009 |
| sociality | 0.15 | 0.10 – 0.23 | 0.21 | <.001 | 0.15 | 0.09 – 0.23 | 0.23 | <.001 |  |  |  |  |
| dayofseason | 1.04 | 1.01 – 1.06 | 0.01 | .001 |  |  |  |  | 1.05 | 1.03 – 1.09 | 0.01 | <.001 |
| Observations | 53 | | | | 54 | | | | 53 | | | |
| Pseudo-R2 | R2CS = .963  R2N = .967  D = 5.759 | | | | R2CS = .933  R2N = .937  D = .000 | | | | R2CS = .664  R2N = .667  D = 6.507 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 116.073 | | | | 147.298 | | | | 233.293 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.000 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
| *Sethophaga fusca* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 3.54 | 2.72 – 4.62 | 0.13 | <.001 | 5.25 | 4.37 – 6.29 | 0.09 | <.001 | 3.43 | 2.59 – 4.53 | 0.14 | <.001 |
| sociality (Solitary) | 0.26 | 0.18 – 0.38 | 0.19 | <.001 | 0.32 | 0.24 – 0.42 | 0.15 | <.001 |  |  |  |  |
| dayofseason | 1.03 | 1.01 – 1.05 | 0.01 | .003 |  |  |  |  | 1.01 | 0.99 – 1.03 | 0.01 | .204 |
| Observations | 100 | | | | 101 | | | | 100 | | | |
| Pseudo-R2 | R2CS = .643  R2N = .679  D = .208 | | | | R2CS = .550  R2N = .581  D = .000 | | | | R2CS = .050  R2N = .053  D = .059 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 192.284 | | | | 215.056 | | | | 290.168 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.023 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
| *Cardelina canadensis* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 4.18 | 2.86 – 6.11 | 0.19 | <.001 | 3.98 | 3.17 – 4.98 | 0.11 | <.001 | 3.61 | 2.30 – 5.67 | 0.23 | <.001 |
| sociality | 0.09 | 0.05 – 0.16 | 0.31 | <.001 | 0.09 | 0.05 – 0.16 | 0.30 | <.001 |  |  |  |  |
| dayofseason | 1.00 | 0.98 – 1.01 | 0.01 | .732 |  |  |  |  | 0.98 | 0.96 – 1.00 | 0.01 | .108 |
| Observations | 68 | | | | 68 | | | | 68 | | | |
| Pseudo-R2 | R2CS = .794  R2N = .839  D = .141 | | | | R2CS = .793  R2N = .839  D = .000 | | | | R2CS = .105  R2N = .111  D = .595 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 91.046 | | | | 91.244 | | | | 190.858 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.006 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
| *Sethophaga cerulea* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 4.46 | 3.45 – 5.76 | 0.13 | <.001 | 5.72 | 4.88 – 6.69 | 0.08 | <.001 | 4.32 | 3.33 – 5.61 | 0.13 | <.001 |
| sociality | 0.18 | 0.15 – 0.21 | 0.08 | <.001 | 0.24 | 0.16 – 0.37 | 0.21 | <.001 |  |  |  |  |
| dayofseason | 1.01 | 1.00 – 1.03 | 0.01 | .029 |  |  |  |  | 1.02 | 1.00 – 1.03 | 0.01 | .026 |
| Observations | 69 | | | | 72 | | | | 69 | | | |
| Pseudo-R2 | R2CS = .232  R2N = .265  D = .000 | | | | R2CS = .267  R2N = .301  D = .000 | | | | R2CS = .093  R2N = .106  D = .000 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 126.168 | | | | 133.590 | | | | 137.662 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.009 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

Model summary for Hemithraupis guira, small sample size for the solitary factor, intercept was the best model!

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hemithraupis  guira Model1: Intercept | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | | |
|  | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 3.95 | 3.05 – 5.13 | 0.13 | <.001 | 3.93 | 3.04 – 5.07 | 0.13 | <.001 | 3.06 | 1.61 – 5.82 | 0.32 | <.001 |
| sociality |  |  |  |  | 1.08 | 0.21 – 5.58 | 0.81 | .922 |  |  |  |  |
| dayofseason |  |  |  |  |  |  |  |  | 1.01 | 0.99 – 1.04 | 0.01 | .297 |
| Observations | 44 | | | | 44 | | | | 43 | | | |
| Pseudo-R2 | R2CS = .000  R2N = .000  D = .000 | | | | R2CS = .002  R2N = .002  D = .325 | | | | R2CS = .053  R2N = .056  D = .014 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 118.944 | | | | 118.849 | | | | 115.407 | | | |
| Χ2deviance | p=.000 | | | | p=.758 | | | | p=.127 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
|  | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 3.50 | 2.17 – 5.66 | 0.24 | <.001 | 4.06 | 3.02 – 5.48 | 0.15 | <.001 | 2.62 | 1.55 – 4.43 | 0.26 | <.001 |
| sociality | 0.18 | 0.12 – 0.28 | 0.21 | <.001 | 0.19 | 0.12 – 0.28 | 0.20 | <.001 |  |  |  |  |
| dayofseason | 1.01 | 0.99 – 1.03 | 0.01 | .450 |  |  |  |  | 1.00 | 0.98 – 1.02 | 0.01 | .959 |
| Observations | 56 | | | | 56 | | | | 56 | | | |
| Pseudo-R2 | R2CS = .702  R2N = .762  D = .378 | | | | R2CS = .698  R2N = .758  D = .000 | | | | R2CS = .000  R2N = .000  D = .019 | | | |
| AIC | NA | | | | NA | | | | NA | | | |
| Deviance | 74.392 | | | | 75.123 | | | | 142.167 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.944 | | | |
| Family | quasipoisson (log) | | | | quasipoisson (log) | | | | quasipoisson (log) | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model1: Socialcontext+Dayofseason | | | | Model2:Socialcontext | | | | Model3:Dayofseason | | | |
| *Zimmerius chrysops* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* | *IRR* | *CI* | *std. Error* | *p* |
| (Intercept) | 3.81 | 3.00 – 4.84 | 0.12 | <.001 | 3.41 | 2.98 – 3.89 | 0.07 | <.001 | 2.67 | 2.00 – 3.58 | 0.15 | <.001 |
| sociality | 0.40 | 0.28 – 0.58 | 0.18 | <.001 | 0.40 | 0.28 – 0.58 | 0.18 | <.001 |  |  |  |  |
| dayofseason | 0.99 | 0.98 – 1.01 | 0.01 | .313 |  |  |  |  | 1.00 | 0.98 – 1.01 | 0.01 | .711 |
| Observations | 56 | | | | 56 | | | | 56 | | | |
| Pseudo-R2 | R2CS = .355  R2N = .521  D = .096 | | | | R2CS = .348  R2N = .510  D = .000 | | | | R2CS = .003  R2N = .005  D = .035 | | | |
| AICc | 187.836 | | | | 186.219 | | | | 209.980 | | | |
| Deviance | 39.604 | | | | 40.222 | | | | 63.982 | | | |
| Χ2deviance | p=.000 | | | | p=.000 | | | | p=.667 | | | |
| Family | poisson (log) | | | | poisson (log) | | | | poisson (log) | | | |

**Summary of the best fitted models for each species using the quasipoisson family, and two predictors social context and Day of season. Note: the parameter estimates are not back transformed, so they are the log of the parameters.**

|  |
| --- |
| glm(formula = foragingrate ~ sociality + dayofseason, family = quasipoisson(link = "log"),  data = fusca)  Deviance Residuals:  Min 1Q Median 3Q Max  -3.2715 -1.1140 -0.3326 0.5761 3.7462  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.265362 0.143031 8.847 4.13e-14 \*\*\*  socialitySolitary -1.332895 0.218701 -6.095 2.22e-08 \*\*\*  dayofseason 0.029426 0.008683 3.389 0.00102 \*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.973384)  Null deviance: 295.34 on 99 degrees of freedom  Residual deviance: 192.28 on 97 degrees of freedom  (1 observation deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality + dayofseason, family = quasipoisson(link = "log"),  data = peregrina)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8149 -1.3757 -0.2173 0.9335 3.6704  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.4520 0.2278 6.373 5.75e-08 \*\*\*  socialitySolitary -1.8730 0.3358 -5.578 9.85e-07 \*\*\*  dayofseason 0.0371 0.0104 3.567 0.000808 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 2.271132)  Null deviance: 291.16 on 52 degrees of freedom  Residual deviance: 116.07 on 50 degrees of freedom  (1 observation deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality, family = quasipoisson(link = "log"),  data = canadensis)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8200 -0.8321 -0.5120 0.4935 3.2346  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.38032 0.09632 14.331 < 2e-16 \*\*\*  socialitySolitary -2.44120 0.42592 -5.732 2.68e-07 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.549276)  Null deviance: 198.433 on 67 degrees of freedom  Residual deviance: 91.244 on 66 degrees of freedom  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality + dayofseason, family = quasipoisson(link = "log"),  data = cerulea)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.2960 -1.1213 -0.1628 0.3785 4.1057  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.494085 0.168752 8.854 7.91e-13 \*\*\*  socialitySolitary -1.734172 1.058452 -1.638 0.1061  dayofseason 0.014536 0.008486 1.713 0.0914 .  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 2.228793)  Null deviance: 144.42 on 68 degrees of freedom  Residual deviance: 126.17 on 66 degrees of freedom  (3 observations deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ 1, family = quasipoisson(link = "log"),  data = guira)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8123 -1.2598 -0.5016 0.5048 3.5849  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.3749 0.1279 10.75 9.17e-14 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 2.845765)  Null deviance: 118.94 on 43 degrees of freedom  Residual deviance: 118.94 on 43 degrees of freedom  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality, family = quasipoisson(link = "log"),  data = pitiayumi)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8511 -0.5540 -0.0321 0.2624 5.0695  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.4023 0.1149 12.207 < 2e-16 \*\*\*  socialitySolitary -1.6767 0.3174 -5.284 2.33e-06 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.662784)  Null deviance: 142.171 on 55 degrees of freedom  Residual deviance: 75.123 on 54 degrees of freedom  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality, family = poisson(link = "log"),  data = chrysops)  Deviance Residuals:  Min 1Q Median 3Q Max  -1.6583 -0.8262 -0.2247 0.4988 1.8146  Coefficients:  Estimate Std. Error z value Pr(>|z|)  (Intercept) 1.22561 0.09578 12.796 < 2e-16 \*\*\*  socialitySolitary -0.90716 0.19869 -4.566 4.98e-06 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for poisson family taken to be 1)  Null deviance: 64.168 on 55 degrees of freedom  Residual deviance: 40.222 on 54 degrees of freedom  AIC: 185.99  Number of Fisher Scoring iterations: 5 |
|  |

**Model selection QAICc summaries tables for each species with the predictors social context and Day of season and flock size(# species)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Response** | **Model** | ***k*** | ***QAICc*** | ***Delta\_QAICc*** | ***QAICcWt*** | |
| S.fusca | Capture rate | Soc+Dseason+Flocksize | 5 | 243.36 | 0.00 | 0.95 |  |
|  |  | Soc+Dseason | 4 | 250.19 | 6.83 | 0.03 |  |
|  |  | Soc+ Flocksize | 4 | 251.25 | 7.89 | 0.02 |  |
|  |  | Soc | 3 | 260.97 | 17.61 | 0.00 |  |
|  |  | Dseason+Flocksize | 4 | 271.13 | 27.77 | 0.00 |  |
|  |  | Flocksize | 3 | 272.12 | 28.76 | 0.00 |  |
|  |  | Dseason | 3 | 297.21 | 53.85 | 0.00 |  |
|  |  | Intercept | 2 | 299.35 | 55.99 | 0.00 |  |
| L.peregrina | Capture rate | Soc+Dseason | 4 | 126.71 | 0.00 | 0.76 |  |
|  |  | Soc+Dseason+Flocksize | 5 | 129.06 | 2.36 | 0.23 |  |
|  |  | Soc+ Flocksize | 4 | 138.09 | 11.38 | 0.00 |  |
|  |  | Soc | 3 | 139.04 | 12.33 | 0.00 |  |
|  |  | Dseason+Flocksize | 4 | 158.80 | 32.09 | 0.00 |  |
|  |  | Flocksize | 3 | 164.25 | 37.54 | 0.00 |  |
|  |  | Dseason | 3 | 174.68 | 47.97 | 0.00 |  |
|  |  | Intercept | 2 | 199.30 | 72.59 | 0.00 |  |
| C.canadensis | Capture rate | Soc | 3 | 160.37 | 0.00 | 0.51 |
|  |  | Soc+ Flocksize | 4 | 161.94 | 1.57 | 0.23 |
|  |  | Soc+ Dseason | 4 | 162.50 | 2.13 | 0.18 |
|  |  | Soc+Dseason+Flocksize | 5 | 164.22 | 3.85 | 0.08 |
|  |  | Flocksize | 3 | 200.23 | 39.86 | 0.00 |
|  |  | Dseason+Flocksize | 4 | 201.42 | 41.05 | 0.00 |
|  |  | Dseason | 3 | 225.06 | 64.68 | 0.00 |
|  |  | Intercept | 2 | 227.79 | 67.41 | 0.00 |
| S.cerulea | Capture rate | Soc+ Flocksize | 5 | 150.13 | 0.00 | 0.42 |
|  |  | Soc+Dseason+ Flocksize | 4 | 150.24 | 0.11 | 0.40 |
|  |  | Flocksize | 4 | 153.16 | 3.02 | 0.09 |
|  |  | Dseason+Flocksize | 3 | 153.50 | 3.36 | 0.08 |
|  |  | Soc+Dseason | 4 | 161.64 | 11.51 | 0.00 |
|  |  | Dseason | 3 | 164.25 | 14.12 | 0.00 |
|  |  | Soc | 3 | 165.58 | 15.44 | 0.00 |
|  |  | Intercept | 2 | 172.85 | 22.72 | 0.00 |
| H.guira | Capture rate | Flocksize | 3 | 79.74 | 0.00 | 0.44 |
|  |  | Soc+ Flocksize | 4 | 81.51 | 1.77 | 0.18 |
|  |  | Dseason+Flocksize | 4 | 81.96 | 2.22 | 0.14 |
|  |  | Intercept | 2 | 83.23 | 3.49 | 0.08 |
|  |  | Dseason | 2 | 83.56 | 3.82 | 0.06 |
|  |  | Soc+Dseason+Flocksize | 5 | 84.00 | 4.27 | 0.05 |
|  |  | Soc | 3 | 85.51 | 5.77 | 0.02 |
|  |  | Soc+Dseason | 4 | 85.81 | 6.08 | 0.02 |
| P.pitiayumi | Capture rate | Soc | 3 | 125.49 | 0.00 | 0.40 |
|  |  | Soc+ Flocksize | 4 | 125.92 | 0.43 | 0.32 |
|  |  | Soc+Dseason | 4 | 127.39 | 1.90 | 0.15 |
|  |  | Soc+Dseason+Flocksize | 5 | 127.89 | 2.40 | 0.12 |
|  |  | Flocksize | 3 | 145.41 | 19.92 | 0.00 |
|  |  | Dseason+ Flocksize | 4 | 147.34 | 21.85 | 0.00 |
|  |  | Intercept | 2 | 162.01 | 36.52 | 0.00 |
|  |  | Dseason | 3 | 164.24 | 38.75 | 0.00 |
| Z.chrysops | Capture rate | Soc+Dseason+Flocksize | 5 | 3.36 | 0.00 | 0.95 |
|  |  | Soc+Dseason | 4 | 250.19 | 6.83 | 0.03 |
|  |  | Soc+ Flocksize | 4 | 251.25 | 7.89 | 0.02 |
|  |  | Soc | 3 | 260.97 | 17.61 | 0.00 |
|  |  | Dseason+Flocksize | 4 | 271.13 | 27.77 | 0.00 |
|  |  | Flocksize | 3 | 272.12 | 28.76 | 0.00 |
|  |  | Dseason | 3 | 297.21 | 53.85 | 0.00 |
|  |  | Intercept | 2 | 299.35 | 55.99 | 0.00 |

**Summary of the best fitted models for each species using the quasipoisson family, and predictos social context, Day of season and flock size (#species) Note: the parameter estimates are not back transformed, so they are the log of the parameters.**

|  |
| --- |
| Call:  glm(formula = foragingrate ~ sociality + dayofseason + flocksizespecies,  family = poisson(link = "log"), data = fusca)  Deviance Residuals:  Min 1Q Median 3Q Max  -3.2870 -1.0275 -0.2759 0.5616 3.7697  Coefficients:  Estimate Std. Error z value Pr(>|z|)  (Intercept) 1.303319 0.125273 10.404 < 2e-16 \*\*\*  socialitySolitary -1.312272 0.181692 -7.223 5.10e-13 \*\*\*  dayofseason 0.026414 0.006482 4.075 4.61e-05 \*\*\*  flocksizespecies 0.001714 0.006593 0.260 0.795  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for poisson family taken to be 1)  Null deviance: 287.52 on 95 degrees of freedom  Residual deviance: 185.25 on 92 degrees of freedom  (5 observations deleted due to missingness)  AIC: 471.06  Call:  glm(formula = foragingrate ~ sociality + dayofseason + flocksizespecies,  family = quasipoisson(link = "log"), data = fusca)  Deviance Residuals:  Min 1Q Median 3Q Max  -3.2870 -1.0275 -0.2759 0.5616 3.7697  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.303319 0.176821 7.371 7.17e-11 \*\*\*  socialitySolitary -1.312272 0.256456 -5.117 1.69e-06 \*\*\*  dayofseason 0.026414 0.009150 2.887 0.00485 \*\*  flocksizespecies 0.001714 0.009305 0.184 0.85423  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.992306)  Null deviance: 287.52 on 95 degrees of freedom  Residual deviance: 185.25 on 92 degrees of freedom  (5 observations deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| glm(formula = foragingrate ~ sociality + dayofseason, family = quasipoisson(link = "log"),  data = peregrina)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8149 -1.3757 -0.2173 0.9335 3.6704  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.4520 0.2278 6.373 5.75e-08 \*\*\*  socialitySolitary -1.8730 0.3358 -5.578 9.85e-07 \*\*\*  dayofseason 0.0371 0.0104 3.567 0.000808 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 2.271132)  Null deviance: 291.16 on 52 degrees of freedom  Residual deviance: 116.07 on 50 degrees of freedom  (1 observation deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| Call:  glm(formula = foragingrate ~ sociality, family = quasipoisson(link = "log"),  data = canadensis)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8200 -0.8321 -0.5120 0.4935 3.2346  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.38032 0.09632 14.331 < 2e-16 \*\*\*  socialitySolitary -2.44120 0.42592 -5.732 2.68e-07 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.549276)  Null deviance: 198.433 on 67 degrees of freedom  Residual deviance: 91.244 on 66 degrees of freedom  AIC: NA  Number of Fisher Scoring iterations: 5 |
| glm(formula = foragingrate ~ sociality + dayofseason, family = quasipoisson(link = "log"),  data = cerulea)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.2960 -1.1213 -0.1628 0.3785 4.1057  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.494085 0.168752 8.854 7.91e-13 \*\*\*  socialitySolitary -1.734172 1.058452 -1.638 0.1061  dayofseason 0.014536 0.008486 1.713 0.0914 .  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 2.228793)  Null deviance: 144.42 on 68 degrees of freedom  Residual deviance: 126.17 on 66 degrees of freedom  (3 observations deleted due to missingness)  AIC: NA  Number of Fisher Scoring iterations: 5 |
| all:  glm(formula = foragingrate ~ flocksizespecies, family = quasipoisson(link = "log"),  data = guira)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8344 -1.3314 -0.4229 0.4783 3.9174  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.22919 0.29647 4.146 0.000183 \*\*\*  flocksizespecies 0.01152 0.01807 0.638 0.527467  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 3.089265)  Null deviance: 113.64 on 39 degrees of freedom  Residual deviance: 112.41 on 38 degrees of freedom  (4 observations deleted due to missingness)  AIC: NA |
| Call:  glm(formula = foragingrate ~ sociality, family = quasipoisson(link = "log"),  data = pitiayumi)  Deviance Residuals:  Min 1Q Median 3Q Max  -2.8511 -0.5540 -0.0321 0.2624 5.0695  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 1.4023 0.1149 12.207 < 2e-16 \*\*\*  socialitySolitary -1.6767 0.3174 -5.284 2.33e-06 \*\*\*  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for quasipoisson family taken to be 1.662784)  Null deviance: 142.171 on 55 degrees of freedom  Residual deviance: 75.123 on 54 degrees of freedom  AIC: NA  Number of Fisher Scoring iterations: 5 |
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