**SUPPLEMENTARY MATERIAL** Raw data used in our analysis describing the frequency of bird strikes (strikes), body mass, wing loading (WL), brain mass (BM), aspect ratio (Aspect) and eye axial length (EAL) for 54 species of birds with bird strikes records obtained from the Federal Aviation Administration database on bird-aircraft collisions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Species | Strikes | Mass (g) | WL (N/m2) | BM (g) | Aspect | EAL (mm) |
| *Anas platyrhynchos* | 6 | 1170.50 | 113.763 | 5.881 | 8.610 | 12.10 |
| *Branta canadensis* | 1 | 3564.00 | 111.944 | 10.780 | 8.511 | 13.50 |
| *Phalacrocorax auritus* | 1 | 1960.00 | 101.625 |  | 10.423 | 15.00 |
| *Grus canadensis* | 3 | 3166.00 | 84.723 | 15.500 |  | 22.30 |
| *Mycteria americana* | 1 | 2558.50 | 72.444 | 22.300 | 6.776 |  |
| *Aquila chrysaetos* | 1 | 4263.50 | 71.945 | 18.690 | 7.430 | 29.55 |
| *Pelecanus occidentalis* | 3 | 3438.00 | 70.632 | 24.200 | 10.568 | 22.50 |
| *Larus marinus* | 1 | 1658.50 | 68.707 | 7.775 | 11.429 | 20.90 |
| *Falco peregrinus* | 7 | 697.50 | 63.680 | 6.788 | 8.831 | 20.50 |
| *Eudocimus albus* | 1 | 900.00 | 63.533 | 7.500 | 7.178 | 12.40 |
| *Bubo virginianus* | 2 | 1354.50 | 57.943 | 14.900 | 6.577 | 34.55 |
| *Columba livia* | 32 | 354.50 | 55.208 | 2.312 | 7.178 | 9.40 |
| *Larus argentatus* | 11 | 1085.00 | 54.075 | 4.467 | 10.691 | 18.20 |
| *Sturnella magna* | 31 | 89.00 | 53.623 | 2.300 |  | 10.15 |
| *Ardea herodias* | 4 | 2295.00 | 50.350 | 8.872 | 7.674 | 20.90 |
| *Buteo jamaicensis* | 26 | 1126.00 | 50.350 | 9.900 | 7.396 | 22.80 |
| *Limnodromus griseus* | 1 | 113.00 | 48.865 | 1.380 | 10.965 | 8.80 |
| *Pandion haliaetus* | 13 | 1485.50 | 47.753 | 11.401 | 7.464 |  |
| *Larus fuscus* | 1 | 766.25 | 46.345 | 5.291 | 10.789 | 19.00 |
| *Streptopelia decaocto* | 1 | 149.00 | 44.668 | 1.509 | 6.442 | 9.30 |
| *Accipiter cooperii* | 1 | 439.00 | 42.560 | 4.869 | 3.793 | 18.00 |
| *Corvus brachyrhynchos* | 4 | 506.00 | 38.194 | 7.430 | 5.702 |  |
| *Sturnus vulgaris* | 127 | 86.00 | 37.844 | 1.787 | 7.096 | 7.96 |
| *Zenaida macroura* | 227 | 119.00 | 35.645 | 1.191 | 5.848 | 8.68 |
| *Quiscalus quiscula* | 5 | 106.10 | 35.318 | 2.680 | 4.315 | 9.16 |
| *Scolopax minor* | 1 | 197.50 | 35.237 | 2.093 |  | 11.70 |
| *Larus delawarensis* | 10 | 518.50 | 34.594 | 4.436 | 12.190 | 16.55 |
| *Melopsittacus undulatus* | 1 | 29.00 | 34.198 | 1.111 | 7.328 | 6.90 |
| *Turdus migratorius* | 13 | 78.50 | 32.961 | 1.950 | 6.457 | 9.50 |
| *Actitis macularius* | 6 | 40.40 | 31.884 | 0.704 |  | 7.30 |
| *Falco sparverius* | 121 | 119.00 | 31.333 | 2.700 | 8.091 | 11.98 |
| *Passer domesticus* | 3 | 27.70 | 30.832 | 0.968 | 5.929 | 6.23 |
| *Ammodramus savannarum* | 1 | 17.00 | 30.409 | 0.670 | 4.467 |  |
| *Melospiza melodia* | 1 | 20.00 | 30.409 | 0.960 | 3.724 | 6.53 |
| *Charadrius vociferus* | 80 | 96.55 | 30.291 | 1.200 |  | 10.60 |
| *Lanius ludovicianus* | 2 | 51.75 | 29.174 | 1.590 | 6.427 |  |
| *Molothrus ater* | 8 | 43.40 | 28.445 | 1.190 | 4.645 | 7.21 |
| *Bubulcus ibis* | 19 | 366.00 | 28.119 | 3.954 | 7.762 | 13.10 |
| *Sterna hirundo* | 2 | 120.00 | 27.040 | 1.486 | 14.158 | 12.20 |
| *Agelaius phoeniceus* | 16 | 52.40 | 25.704 | 1.750 | 5.458 | 7.47 |
| *Dumetella carolinensis* | 1 | 35.30 | 25.235 | 1.180 | 5.188 | 7.77 |
| *Mimus polyglottos* | 1 | 48.50 | 23.878 | 1.430 | 6.067 |  |
| *Bombycilla cedrorum* | 1 | 31.60 | 23.335 | 0.922 | 7.311 |  |
| *Riparia riparia* | 1 | 13.45 | 23.227 | 0.354 | 9.908 | 5.28 |
| *Tyto alba* | 22 | 520.00 | 23.227 | 6.068 | 7.261 | 17.80 |
| *Progne subis* | 2 | 53.80 | 22.751 | 1.070 | 9.057 | 9.20 |
| *Pheucticus melanocephalus* | 1 | 47.15 | 21.903 |  |  |  |
| *Eremophila alpestris* | 406 | 31.20 | 20.701 | 0.920 | 6.166 | 7.38 |
| *Passerculus sandwichensis* | 20 | 20.05 | 20.559 | 0.700 | 4.395 |  |
| *Passerina cyanea* | 1 | 14.70 | 20.559 | 0.670 | 4.385 | 5.49 |
| *Chordeiles minor* | 3 | 79.30 | 19.770 | 0.881 | 9.908 | 12.30 |
| *Chaetura pelagica* | 15 | 23.60 | 18.030 | 0.477 | 9.120 |  |
| *Tachycineta bicolor* | 4 | 21.20 | 17.620 | 0.570 | 7.379 | 8.20 |
| *Hirundo rustica* | 122 | 18.65 | 15.631 | 0.551 | 8.241 | 8.00 |