**Supplementary material**

**Movement ecology of pre-adult Cinereous Vultures (*Aegypius monachus*): insights from a reintroduced population**

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**Table S1.** Results of the Tukey test post hoc comparison among age classes of Cinereous vultures *Aegypius monachus* based on minimum convex polygon (MCP), 90%, and 50% kernel density estimations (KDE).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Comparison** | **Estimate** | **SE** | **t** | **p** |
| KDE 50% | Chick - Immature | -1.96 | 0.47 | -4.13 | <0.001 |
| Chick - Juvenile | -2.90 | 0.53 | -5.46 | <0.001 |
| Chick - Subadult | -1.06 | 0.63 | -1.67 | 0.35 |
| Immature - Juvenile | -0.95 | 0.53 | -1.79 | 0.29 |
| Immature - Subadult | 0.90 | 0.53 | 1.69 | 0.34 |
| Juvenile - Subadult | 1.84 | 0.68 | 2.72 | 0.04 |
| KDE 90% | Chick - Immature | -1.58 | 0.41 | -3.84 | <0.001 |
| Chick - Juvenile | -2.55 | 0.46 | -5.57 | <0.001 |
| Chick - Subadult | -0.68 | 0.55 | -1.24 | 0.60 |
| Immature - Juvenile | -0.97 | 0.46 | -2.12 | 0.16 |
| Immature - Subadult | 0.90 | 0.46 | 1.97 | 0.21 |
| Juvenile - Subadult | 1.87 | 0.59 | 3.19 | 0.01 |
| MCP | Chick - Immature | -0.85 | 0.32 | -2.68 | 0.05 |
| Chick - Juvenile | -1.72 | 0.36 | -4.71 | <0.001 |
| Chick - Subadult | 0.16 | 0.43 | 0.37 | 0.98 |
| Immature - Juvenile | -0.86 | 0.36 | -2.40 | 0.09 |
| Immature - Subadult | 1.01 | 0.36 | 2.78 | 0.04 |
| Juvenile - Subadult | 1.87 | 0.46 | 4.06 | <0.001 |

**Table S2**. Results from the Tukey test post hoc comparison among age classes of Cinereous vultures *Aegypius monachus* regarding daily cumulative distance traveled, hourly distance, maximum displacement, maximum daily dispersal, and maximum annual dispersal.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Comparison** | **Estimate** | **SE** | **t** | **p** |
| Cumulative distance | Chick - Immature | -1.65 | 0.03 | -58.38 | <0.001 |
| Chick - Juvenile | -1.59 | 0.03 | -63.24 | <0.001 |
| Chick - Subadult | -1.77 | 0.03 | -51.74 | <0.001 |
| Immature - Juvenile | 0.06 | 0.02 | 2.31 | 0.09 |
| Immature - Subadult | -0.12 | 0.02 | -4.94 | <0.001 |
| Juvenile - Subadult | -0.17 | 0.03 | -5.72 | <0.001 |
| Hourly distance | Chick - Immature | -1.50 | 0.03 | -53.24 | <0.001 |
| Chick - Juvenile | -1.49 | 0.03 | -59.21 | <0.001 |
| Chick - Subadult | -1.62 | 0.03 | -47.58 | <0.001 |
| Immature - Juvenile | 0.01 | 0.02 | 0.45 | 0.97 |
| Immature - Subadult | -0.12 | 0.02 | -5.00 | <0.001 |
| Juvenile - Subadult | -0.13 | 0.03 | -4.31 | 0.001 |
| Maximum displacement | Chick - Immature | -1.76 | 0.03 | -56.54 | <0.001 |
| Chick - Juvenile | -1.76 | 0.03 | -63.27 | <0.001 |
| Chick - Subadult | -1.86 | 0.04 | -49.44 | <0.001 |
| Immature - Juvenile | 0.00 | 0.03 | -0.03 | 0.99 |
| Immature - Subadult | -0.10 | 0.03 | -3.82 | <0.001 |
| Juvenile - Subadult | -0.10 | 0.03 | -3.00 | <0.001 |
| Maximum daily dispersal | Chick - Immature | -1.86 | 0.03 | -68.55 | <0.001 |
| Chick - Juvenile | -1.86 | 0.02 | -76.76 | <0.001 |
| Chick - Subadult | -2.09 | 0.03 | -63.68 | <0.001 |
| Immature - Juvenile | 0.01 | 0.02 | 0.24 | 0.99 |
| Immature - Subadult | -0.23 | 0.02 | -9.92 | <0.001 |
| Juvenile - Subadult | -0.23 | 0.03 | -8.02 | <0.001 |
| Maximum annual dispersal | Chick - Immature | -1.08 | 0.19 | -5.69 | <0.001 |
| Chick - Juvenile | -0.61 | 0.18 | -3.44 | 0.004 |
| Chick - Subadult | -0.64 | 0.22 | -2.99 | 0.02 |
| Immature - Juvenile | 0.47 | 0.17 | 2.75 | 0.03 |
| Immature - Subadult | 0.43 | 0.19 | 2.22 | 0.12 |
| Juvenile - Subadult | -0.04 | 0.20 | -0.18 | 0.998 |