**Supplementary Material**

Poisoning causing the decline in South-East Asia's largest vulture population

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Table S1. Number of vulture restaurants per year

|  |  |
| --- | --- |
| **Year** | **Total number of restaurants** |
| 2003 | 8 |
| 2004 | 11 |
| 2005 | 23 |
| 2006 | 45 |
| 2007 | 50 |
| 2008 | 54 |
| 2009 | 81 |
| 2010 | 72 |
| 2011 | 67 |
| 2012 | 59 |
| 2013 | 82 |
| 2014 | 83 |
| 2015 | 96 |

Table S2. Model sets, ∆QAICc cores, model weights for both the regular feeding counts at long-term sites, and the simultaneous census counts at all sites.

|  |  |  |  |
| --- | --- | --- | --- |
|  | ∆QAICc | Degrees of freedom | Model weight |
| Regular feeds at long-term sites | | | |
| Red-headed Vulture | | | |
| Date^2\*site\*season | 0 | 30 | 0.9986 |
| Date\*site\*season | 13.4 | 20 | 0.0012 |
| Date^2\*site | 17.3 | 15 | <0.001 |
| Date\*site | 39.8 | 10 | <0.001 |
| Site\*season | 221.2 | 10 | <0.001 |
| Site | 252.4 | 5 | <0.001 |
| Date^2\*season | 320.6 | 6 | <0.001 |
| Date\*season | 328.4 | 4 | <0.001 |
| Date^2 | 337.1 | 3 | <0.001 |
| Date | 346.9 | 2 | <0.001 |
| Season | 541 | 2 | <0.001 |
|  | | | |
| Slender-billed Vulture | | | |
| Date^2\*site\*season | 0 | 30 | 1 |
| Date^2\*site | 14.6 | 15 | <0.001 |
| Date\*site\*season | 37.1 | 20 | <0.001 |
| Date\*site | 46.1 | 10 | <0.001 |
| Site\*season | 124.6 | 10 | <0.001 |
| Site | 131.8 | 5 | <0.001 |
| Date\*season | 1326.1 | 4 | <0.001 |
| Date^2\*season | 1326.2 | 6 | <0.001 |
| Date | 1339.8 | 2 | <0.001 |
| Date^2 | 1340.7 | 3 | <0.001 |
| Season | 1355.1 | 2 | <0.001 |
|  |  |  |  |
| White-rumped Vulture | | | |
| Date^2\*site\*season | 0 | 30 | 1 |
| Date^2\*site | 14.2 | 15 | <0.001 |
| Date\*site\*season | 317.2 | 20 | <0.001 |
| Date\*site | 324.5 | 10 | <0.001 |
| Site\*season | 572.3 | 10 | <0.001 |
| Site | 577.6 | 5 | <0.001 |
| Date^2\*season | 2848.9 | 6 | <0.001 |
| Date^2 | 2851.3 | 3 | <0.001 |
| Season | 2910.8 | 2 | <0.001 |
| Date\*season | 2911.5 | 4 | <0.001 |
| Date | 2914.7 | 2 | <0.001 |
|  |  |  |  |
| Simultaneous census counts | | | |
| Red-headed Vulture | | | |
| year^2 | 0 | 3 | 0.624 |
| year | 2.4 | 2 | 0.186 |
| year^2 + occasion | 3 | 4 | 0.141 |
| year + occasion | 5.1 | 3 | 0.049 |
| constant | 20.4 | 1 | <0.001 |
| occasion | 22.8 | 2 | <0.001 |
|  | | | |
| Slender-billed Vulture | | | |
| year^2 | 0 | 3 | 0.401 |
| year^2 + occasion | 1 | 4 | 0.241 |
| year | 2 | 2 | 0.149 |
| year + occasion | 2.7 | 3 | 0.105 |
| constant | 3.9 | 1 | 0.058 |
| occasion | 4.3 | 2 | 0.047 |
|  |  |  |  |
| White-rumped Vulture | | | |
| year^2 | 0 | 3 | 0.63 |
| year^2 + occasion | 1 | 4 | 0.37 |
| constant | 23.2 | 1 | <0.001 |
| occasion | 23.6 | 2 | <0.001 |
| year | 23.7 | 2 | <0.001 |
| year + occasion | 24.4 | 3 | <0.001 |