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### a) Absolute values: black coucals

Reproductive success N = 302 obs. of 299 ind.  $R^2_m = 0.392$ ,  $R^2_c = 0.431$

| Effect                            | 2.5%  | 50%   | 97.5% | $P(\beta) > 0$ | $\beta$ (95% CrI)   |
|-----------------------------------|-------|-------|-------|----------------|---------------------|
| Intercept: females                | 0.57  | 0.75  | 0.94  | 1.000          | 0.75 (0.57, 0.94)   |
| Mating success: females           | 0.36  | 0.42  | 0.49  | 1.000          | 0.42 (0.36, 0.49)   |
| Males without ENO                 | -0.74 | -0.15 | 0.45  | 0.310          | -0.15 (-0.74, 0.45) |
| Males with ENO                    | 0.26  | 0.74  | 1.22  | 0.998          | 0.74 (0.26, 1.22)   |
| Mating success: males without ENO | -0.52 | 0.03  | 0.57  | 0.547          | 0.03 (-0.52, 0.57)  |
| Mating success: males with ENO    | -0.65 | -0.33 | 0.00  | 0.023          | -0.33 (-0.65, 0)    |
| Random effect: year (15 groups)   | NA    | NA    | NA    | 0.507          | 0 (-0.25, 0.25)     |

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