

Supporting information

Home range estimation

The home range of focal group Depog was estimated in Neves et al. (2023) using the kernel density estimation (KDE) method (Silverman, 1986) using the Density tool in ArcGIS 10.8. With this method, the study area is divided into quadrats, and the limits of the home range are determined by analyzing the number of location points found in each quadrat. We used a quadrat size of $100 \times 100\text{m}$ with 100m search radius to account for the spread of the group which is usually about 100m.

References

- Neves, E., Vallet, D., Cherkaoui, S. I., Amhaouch, Z., Duperron, C., Ménard, N., & Le Gouar, P. (2023). Behavioral adjustments of endangered Barbary macaques (*Macaca sylvanus*) living at the edge of an agricultural landscape in Morocco. *American Journal of Primatology*, 85(11), e23545. <https://doi.org/10.1002/ajp.23545>
- Silverman, B. W. (1986). *Density estimation for statistics and data analysis* (Vol. 26). CRC press.

Table S1. Post hoc Tukey tests for comparisons of presence in cultivated areas between periods of the day. Est: Estimate; SE: Standard error.

| | 9am – 12pm | | | 12pm – 3pm | | | 3pm – 6pm | | | 6pm – 9pm | | |
|------------|-------------|-----------|----------|-------------|-----------|----------|-------------|-----------|----------|-------------|-----------|----------|
| | Est. | SE | p | Est. | SE | p | Est. | SE | p | Est. | SE | p |
| 6am – 9am | -2.23 | 0.28 | <0.001 | -2.99 | 0.29 | <0.001 | -3.33 | 0.30 | <0.001 | -2.03 | 0.32 | <0.001 |
| 9am – 12pm | | | | -0.75 | 0.16 | <0.001 | -1.10 | 0.18 | <0.001 | 0.21 | 0.23 | 0.90 |
| 12pm – 3pm | | | | | | | -0.35 | 0.17 | 0.25 | 0.96 | 0.22 | <0.001 |
| 3pm – 6pm | | | | | | | | | | 1.31 | 0.23 | <0.001 |

Table S2. Post hoc Tukey tests for comparisons of presence in cultivated areas between months. Est: Estimate; SE: Standard error.

| | June | | | July | | | August | | | October | | | November | | |
|---------|-------------|-----------|----------|-------------|-----------|----------|-------------|-----------|----------|-------------|-----------|----------|-------------|-----------|----------|
| | Est. | SE | p | Est. | SE | p | Est. | SE | p | Est. | SE | p | Est. | SE | p |
| May | -2.11 | 0.90 | 0.18 | -3.74 | 0.89 | <0.001 | -4.45 | 0.90 | <0.001 | -2.11 | 0.92 | 0.20 | -3.30 | 0.90 | 0.003 |
| June | | | | -1.63 | 0.34 | <0.001 | -2.34 | 0.34 | <0.001 | 0.001 | 0.39 | 0.99 | -1.19 | 0.35 | 0.008 |
| July | | | | | | | -0.70 | 0.32 | 0.23 | 1.64 | 0.38 | <0.001 | 0.44 | 0.33 | 0.77 |
| August | | | | | | | | | | 2.34 | 0.38 | <0.001 | 1.15 | 0.33 | 0.006 |
| October | | | | | | | | | | | | | -1.19 | 0.37 | 0.01 |