

**Description of Data Associated with Branco et al. 2019, “An experimental test of community-based strategies for mitigating human-wildlife conflict around protected areas”**

The following meta-data pertain to columns in Elephant\_GPS\_Collar\_Data.xlsx:

- **Name:** Unique identifier for each of 12 elephants included in the study.
- **Date:** The local date on which the GPS fix was obtained.
- **Time:** The local time at which the GPS fix was obtained.
- **Longitude:** The longitude (X coordinate) of the GPS fix in decimal degrees. Map datum was WGS84.
- **Latitude:** The latitude (Y coordinate) of the GPS fix in decimal degrees. Map datum was WGS84.

The following meta-data pertain to columns in Crossing\_Data.xlsx:

- **Fence ID:** Unique identifier for each of the 18 fence locations used in the study (see ‘Crossing\_Info.xlsx’ for detailed information on the location and characteristics of each crossing site).
- **Year:** Year of the study (2016 or 2017).
- **Treatment:** Indicator of which fence type was present at each of the crossing locations. Categories are ‘No fence,’ ‘Beehive,’ ‘Beehive control,’ ‘Chili,’ ‘Chili control,’ and ‘Spicy beehive.’
- **# crossings:** A count of the number of times GPS-collared elephants in our study crossed the Pungue River at each crossing location included in our study between 17 September and 20 December, 2016 or 2017.

- **Time period:** An indicator of whether the monitor-based crossing data included in a given row were collected before or after fence construction in 2017 (categories are ‘Pre-fence’ and ‘Post-fence’).
- **Approaches:** The number of times elephants approached each fence location during the mitigation experiment in 2017 as determined by project monitors using camera traps, tracks, and dung.
- **Returns:** The number of times elephants returned to the Park *after* having approached a fence location during the mitigation experiment in 2017.
- **Percent crossed:** The percentage of approaches by elephants (determined by project monitors using camera traps, tracks, and dung) to each fence location that ended with elephants crossing the fence barrier during the mitigation experiment in 2017.
- **Percent returned:** The percentage of approaches by elephants (determined by project monitors using camera traps, tracks, and dung) to each fence location that ended with elephants returning to the Park rather than crossing the fence barrier during the mitigation experiment in 2017.

The following meta-data pertain to columns in Crossing\_Info.xlsx:

- **Fence ID:** Unique identifier for each of the 18 fence locations used in the study.
- **Community:** Name of the community adjacent to the fence location.
- **Longitude:** The longitude (X coordinate) of the GPS fix in decimal degrees. Map datum was WGS84.
- **Latitude:** The latitude (Y coordinate) of the GPS fix in decimal degrees. Map datum was WGS84.

- **Fence length:** Total length of the fence.
- **River width:** Approximate width of the Pungue River (m) at the crossing location.
- **Number of hives:** The total number of hives used in the construction of each beehive and spicy beehive fence.

The following meta-data pertain to Pungue\_River.zip:

- **Pungue\_River.zip:** This zipped folder contains a single shapefile depicting the portion of the Pungue River (the southern boundary of Gorongosa National Park) relevant to our study.

The following meta-data pertain to Analysis\_Code.txt:

- This text file contains the R-code used to fit each of the three generalized linear models (GLMs) described in our manuscript.