

Analysis Tutorial Prospectus

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1. Title

Different bird species found in Bardiya National Park and their status.

2. Research questions

- a. What is the species diversity and abundance of birds in Bardiya National Park?
- b. What are the population trends of endangered and critically endangered bird species in Bardiya National Park?

3. Objectives

- a. To document and analyze the diversity and distribution of bird species in Bardiya National Park.
- b. To assess the conservation status of bird species, particularly endangered and critically endangered ones.
- c. Provide R code that supports communication of these methods.

4. Approach

- a. Research Design
 - A descriptive and analytical approach to document bird species, their distribution, and conservation status.
- b. Data Collection Methods

Secondary Data Sources

- Review existing literature, reports, and conservation records from government agencies, NGOs, and research institutions.

c. Data Analysis

- Use R for habitat mapping and analyzing distribution of bird populations.
- Conduct statistical analysis to determine correlations between threats and bird abundance.

5. Selected References

1. Birds of Bardia (2006). Bardia National Park.
2. Birds of Bardia National Park (2014).
3. BCN and DNPWC (2018). Birds of Nepal. An Official Checklist. Kathmandu Nepal.
4. BirdLife International. (2018). Important Bird Areas factsheet: Bardia National Park. Retrieved from <http://www.birdlife.org>
5. Birds of Bardia National Park and Buffer Zone Area (2022)