Data Management Plan

Long Point Breeding Bird Census Project – Breeding Bird Territory Data

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1. \*\* Introduction (10%):\*\*

* Provide an introduction to your research project, including the overarching goals and objectives.
* Briefly outline the type of data you will collect and analyze.
* You are welcome to copy-paste your revised Research Problem Statement – preferably revised in light of the feedback provided by the instructor and your peer-assessor

The long-term breeding bird census project has been maintained by the Canadian Wildlife Service, Birds Canada, and Michael S. W. Bradstreet since initiated in 1965.

Since completing the 30th year of monitoring in 2021,

Data collection, protocols and preservation has been maintained by Birds Canada.

2. \*\* Data Types and Formats (20%):\*\*

* Clearly define the types of data you will be collecting (e.g., observational, experimental, survey) and their respective formats (e.g., numeric, categorical).
* Justify the choice of data types and formats based on the research objectives.

Numeric survey data

3. \*\* Data Collection Procedures (20%):\*\*

* Describe in detail the procedures you will follow to collect the data.
* Address issues related to data quality, consistency, and potential sources of bias.

4. \*\* Data Storage and Organization (20%): \*\*

* Outline your plan for storing and organizing the collected data.
* Specify the file naming conventions, directory structures, and storage platforms you will utilize.

5. \*\* Data Documentation (15%):\*\*

* Develop a plan for documenting your data, including metadata descriptions, variable definitions, and any relevant contextual information.

6. \*\* Data Security and Privacy (10%):\*\*

* Identify measures to ensure the security and privacy of your data throughout the research process.
* Discuss any ethical considerations related to handling your data.

7. \*\* Data Sharing and Accessibility (5%):\*\*

* Briefly outline your strategy for sharing and providing access to your data, considering potential collaborators or the broader scientific community.
* Address any restrictions or limitations on data sharing.

8. \*\* Submission Guidelines (5%):\*\*

* Submit a well-organized and well-written document.
* Include any supplementary materials, such as flowcharts or diagrams, that enhance the clarity of your data management plan.
* Submit through Dropbox on LEARN as a Word doc.

Raw data files provided by Birds Canada (Stuart Mackenzie, 2023), based on review and QA/QC by Michael S. W. Bradstreet.

Dataset provides breeding bird territory data from 1965 – 2021, but subset 1991-2021 is the focus of this research project.

Original lines are included for QA/QC and retrieval of missing data and meta data.

Rename species codes per AOS updates (CITE; AOS, 2024), and provide species common name, scientific name, and Annishinabe name for given species codes. Species include: Northern Goshawk (now American Goshawk).

Update site size according to updated areas recorded in 2022 (Bradstreet & Pickering, 2022).