**Table 1.** Description of dataset

|  |  |
| --- | --- |
| **Title of dataset** | Avian community survey by mark-recapture method in a leafy forest of the Station de Biologie des Laurentides, Université de Montréal |
| **Dataset identifier** | 10.5281/zenodo.3246552 |
| **Abstract** | Here we provided multiple datasets on birds’ communities surveyed in the Station de Biologie des Laurentides (SBL), the Université de Montréal field station. Capture was performed as part of the BIO2854 field course. BIO2854 is an undergraduate class in terrestrial animal ecology in biological science at Université de Montréal. Highly qualified teaching assistants and students surveyed forest birds over 4 days in May-June 2014 and 2016 by mark-recapture method using mist nets. Data are made available to consult for future research and teaching purpose. |
| **Keywords** | Avian community, leafy forest birds, mark-recapture, Station de Biologie des Laurentides. |
| **Dataset lead author** | Cindy Bouchard and Virginie Lemieux-Labonté |
| **Position of data author** | Lecturer and PhD candidates |
| **Address of data author** | Université de Montréal, Département des sciences biologiques |
| **Email address of data author** | virginie.lemieux-labonte@umontreal.ca |
| **Data contributors** | Université de Montréal, Bio2854 students, associated Teaching assistant Simon Duval. |
| **ORCID** | https://orcid.org/0000-0001-9964-4495 |
| **ORCID (all authors; seperate line)** | https://orcid.org/0000-0001-9964-4495 |
| **Primary contact person for dataset** | Virginie Lemieux-Labonté |
| **Position of primary contact person** | Lecturer and PhD candidate |
| **Address of primary contact person** | Same as above |
| **Email address of primary contact person** | Same as above |
| **Organization associated with the data** | Station de Biologie des Laurentides (SBL), the Université de Montréal field station |
| **Usage Rights** | No permission required |
| **Geographic region** | Station de Biologie des Laurentides (SBL). |
| **Geographic coverage** | 45,000m2 of a leafy forest. |
| **Lat, Long Northwest** | 45.98679, -74.00760 |
| **Temporal coverage - Begin date** | 2014 |
| **Temporal coverage - End date** | 2016 |
| **General study design** | Bird abundances were estimated in the same leafy forest over 4 days in spring 2014 and 2016. 24 mist nets were used to cover the territory of 45,000m2. Mist nets were opened each morning at 4:30 and were visited at each 30 minute. Mist nets were closed at 11:30 or if rain occurs for bird safety. When captured, bird species, sex and capture or recapture was identified and other observations were noted. Capture was marked by an individual code and released. |
| **Study extent** | 45,000m2 in a leafy Laurentian forest. Mai-June 2014 and 2016. Birds species. |
| **Methods description** | Contact primary contact person for more details about the mark recapture method and mist nets. |
| **Laboratory, field, or other analytical methods** | Field. |
| **Quality control** | These results were gathered in a course context by student closely mentored by highly qualified teaching assistant. |
| **Additional information** | Data are in French. Translation available upon contact authors. One table by year. |

**Table 2.** Description of the variables (i.e., columns) in dataset 1 and 2

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Attribute Label** | **Definition** | **Units** |
| date\_time | Date | YYYY-MM-DD | NA |
| visit\_time | Time of mist net visit | Time of mist net visit | NA |
| capture\_time | Capture time | Time bird was captured | NA |
| birds\_code\_species | Bird code species | Four letter bird species french code | NA |
| birds\_species\_vernacular | Bird vernacular species name | Vernacular french bird species name | NA |
| birds\_species\_lat | Bird latin species name | Bird latin species name | NA |
| mark\_recapture\_code\_birds | Mark recapture code | Mark code for individual bird | NA |
| mist\_net\_id | Mist nets identifier | Mist net identification (a-x) | NA |
| individual\_c\_r | Captured or recaptured individual | Individual is a capture or a recapture | NA |
| notes | Notes | Comments about the birds or handling | NA |
| sex | Individual sex | Individual sex | NA |
| team\_id | Team identification | Team identification | NA |