

eBird Observation Map - Gallatin County

Data Collection

What data will you collect or create?

I will use eBird observation data. This data will be formatted as a large text file of observations, that can then be processed and filtered. The file for just Gallatin County 2022-2023 will be very large, but I will have long term access to it.

How will the data be collected or created?

The eBird observation data will be retrieved from Cornell Lab of Ornithology's eBird site. In the future, perhaps the data can be retrieved directly from eBird's Developer API. For quality assurance, I will trust eBird's data collection.

Documentation and Metadata

What documentation and metadata will accompany the data?

The data already contains lots of metadata, which is used to display information about the observations on the map. Other than that, the GitHub repository will document any updates, as well as have a README file that explains the project.

Ethics and Legal Compliance

How will you manage any ethical issues?

I have gained consent from eBird to use their data for educational/personal project purposes. Data collected by eBird is already kept anonymous.

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

eBird and the Cornell Lab of Ornithology owns the data. In the future, if I use the API, I will need to get a license to utilize it and its associated data.

Storage and Backup

How will the data be stored and backed up during the research?

The data will be stored locally on my system, as well as stored in an online Git repository. This will help

backup the data, as well as manage version control.

How will you manage access and security?

The Git repository is set to public, but there is no data that really needs to be secured.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

eBird observation data is valuable long-term, but if access to the API is granted, then it likely would not be as necessary.

What is the long-term preservation plan for the dataset?

The long term plan is to leave it in the Git repository.

Data Sharing

How will you share the data?

I will have the finished website/map published on Shinyio, where it can be publicly accessed. I also have the source code, data, and a link to the website on the Git repository.

Are any restrictions on data sharing required?

There are no restrictions required.

Responsibilities and Resources

Who will be responsible for data management?

I will be responsible for data management, since I am the only one involved in the project.

What resources will you require to deliver your plan?

In the future, having some sort of better web server hosting software/hardware would be useful, instead of hosting it on Shinyio.

Planned Research Outputs

Software - "Online Website for eBird Observation Data - Gallatin County"

The website that displays the observation data on the map.

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Online Website for eBird Observation Data - Gallat ...	Software	2023-12-07	Open	None specified	20 MB	None specified	None specified	No	No