BIMBY iNaturalist How to

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# Notes

## Members

* When existing iNaturalist members join BIMBY, their data from previous years get retrospectively added
* When members leave – we lose their data

## Exporting

* First go to project, then -> click on observations
  + Then “export observations”
* When exporting Data directly from iNaturalist
  + Change the dates and taxonomy in the project
  + In the export data section
    - Select ‘place\_state\_name’
    - Select ‘taxon\_family\_name’
    - Select all ‘Observation fields’ (\*)

\* The user has to have used ALL the DSF observation fields themselves in order to be able to export the data. To be verified.

# Members

<https://kildor.name/inat/members>

* Enter : butterflies-in-my-backyard-bimby-project
* Download selecting CSV file
* Open empty excel S/S
* Go to Data, Import…

# DSF observation fields

* Extract:
  + Copy the DSF fields from iNat and paste in excel
  + Then use “text to columns” to turn the row into columns
    - Delimited
    - Delimiter = ‘other’ |
    - Copy and paste special select transpose in a new sheet
    - Delete other sheet
  + After that use “DSF Personal Transect.xlsx” file
    - Add new entries
    - Remember to add back in the “|” pipe symbol in column B
    - Then C is =A&B
    - Then D is a copy pastre, values only
    - Then copy and paste and transpose again
    - Copy into iNat

# Stats using Looker Studio

* Store G-Sheets at My Drive > iNaturalist > 2024 etc
* Use Looker Studio and link back to G-Sheets
  + Add Data -> G-Sheets
    - Remember to select appropriate tab
  + Edit any %s and set it to percent and precent (0)
  + Styles for tables
    - Show Title
      * Centre
    - No Row Numbers
    - No Show Pagination
* For map use – you need to edit the field and set it to an appropriate ‘type’

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# 2024 Stats

## DSF Colors R,G,B

* 123,172,212
* 123,156,147
* 0,95,135

## Export Stats

* Edit BIMBY
  + to include plants and butterflies
  + do 3 months at a time (or even less)
    - Note: you can delete the time zone and precise times if you want to include whole days.
* Then go into
  + Download observations
    - Click on Observations -> then Export Observations
    - Select place\_state\_name in the GEO section
    - Select all in the Observation Fields
* Save as a spreadsheet
  + In field: plant association Replace all

<https://inaturalist.ca/observations>

with

<https://www.inaturalist.org/observations>

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* Move the URL: column to the first column and sort by the 1st column
* At the end of the file, around AV and AW add
  + Plant Assoc and Plant Quality Column
    - Plant Association =VLOOKUP(AQ2,$A$2:$AZ$149322,38,FALSE)
    - Plant Quality =VLOOKUP(AQ2,$A$2:$AZ$149322,12,FALSE)
* Can do a copy and paste – values only to replace the formulas

# Code APIs and DB etc

* [iNaturalist API Get Observations](https://jumear.github.io/stirfry/iNatAPIv1_observations.html)
  + [iNaturalist API Get Observations](https://jumear.github.io/stirfry/iNatAPIv1_observations.html?project_id=butterflies-in-my-backyard-bimby-project&per_page=200) BIMBY

# Python and API

[How to run Python scripts - Hosting - Namecheap.com](https://www.namecheap.com/support/knowledgebase/article.aspx/9587/29/how-to-run-python-scripts/)

# Below is not necessary:

* + Create two tabs
    - Use copy tab

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* + - Filter and delete using “iconic\_taxon\_name “ - One for butterflies only
    - Filter and delete using “iconic\_taxon\_name “ - One for plants only
      * Rename tabs ‘plants’ and ‘butterflies’
* plants tab
  + Move url field to the first column
  + and sort it by 1st column/url
* butterflies tab
  + Freeze top row
  + Insert two columns **after DSF Plant Association (1st)**
  + Add vlookup columns x 2 after the **DSF Plant Association (1st)** column
    - Plant
      * =VLOOKUP(AQ2,plants!$A$1:$AU$36396,38,FALSE)
      * Column 38 is common\_name
    - Quality Grade
      * =VLOOKUP(AQ2,plants!$A$1:$AU$36396,12,FALSE)
      * Column 12 is quality\_grade
  + And make sure you are counting all rows!

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