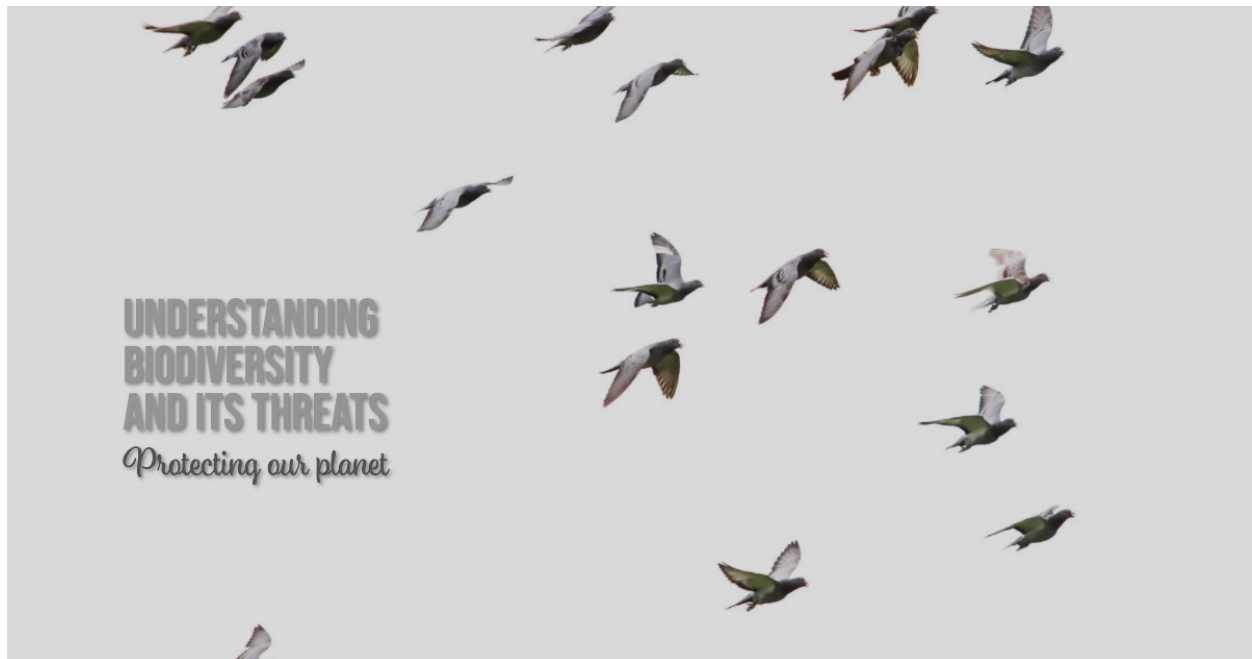


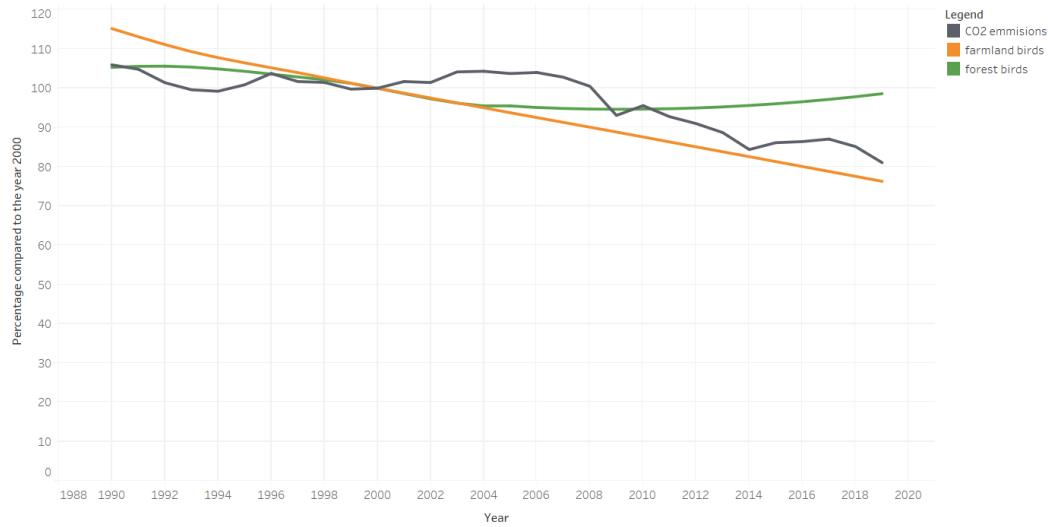
## DataViz Final Documentation



By: Matthijs Berkhout (s2787156), Marta Corrado (s2718626), Mitchell van Poecke (s2761734), Sven Rozendom (s2697785), Erik Schuit (s2625407) & Hana Šinković (s2671646)

## Birds VS CO2:

bird population in Europe compared to CO2 emitted (relative to the year 2000)



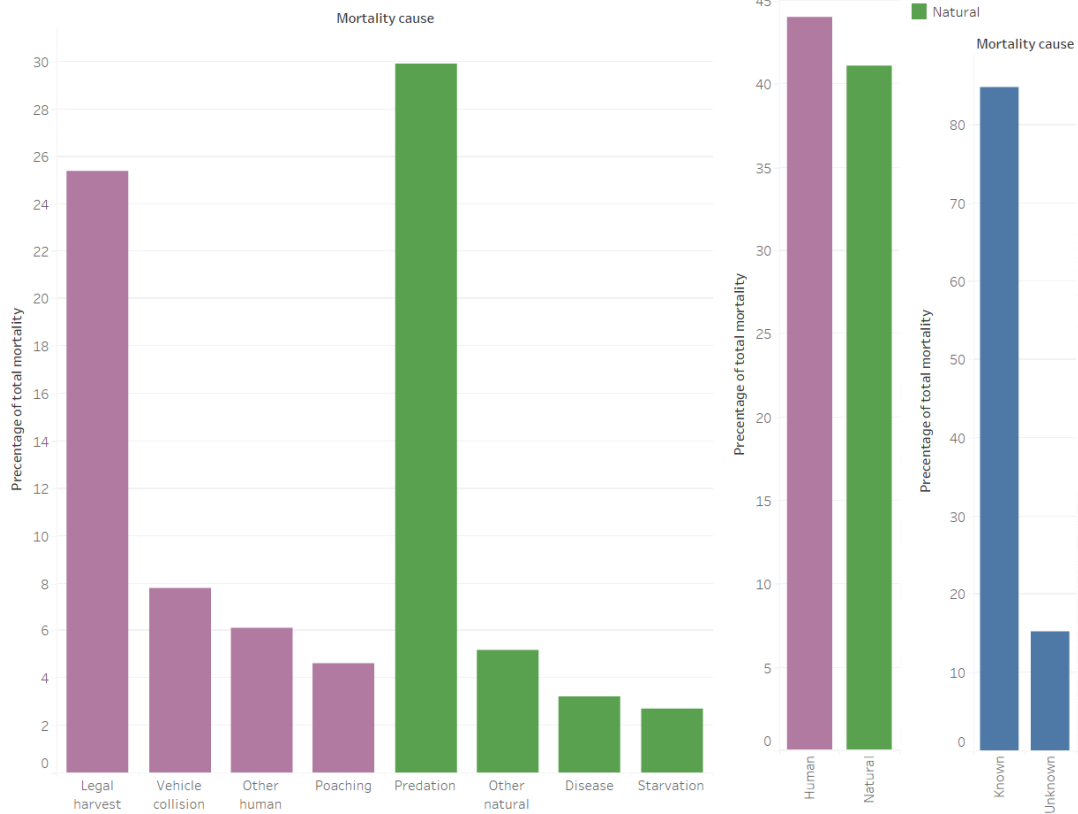
The trends of farmland birds, forest birds and CO2 emissions for Year. Color shows details about farmland birds, forest birds and CO2 emissions. The view is filtered on Year, which ranges from 1990 to 2019.

<https://ourworldindata.org/grapher/bird-populations-eu?tab=table>

<https://data.worldbank.org/indicator/EN.ATM.CO2E.KT?locations=EU>

## Causes of death in animals.

Causes of Mortality for North American mammals



[https://www.researchgate.net/figure/Summary-of-cause-specific-mortality-for-all-North-American-mammals-percentages-are-of\\_tbl1\\_230181584](https://www.researchgate.net/figure/Summary-of-cause-specific-mortality-for-all-North-American-mammals-percentages-are-of_tbl1_230181584)

Urbanization and its effects on biodiversity (Interactive):

<https://www.kaggle.com/datasets/programmerdai/urbanization?select=urbanization-last-500-years.csv>

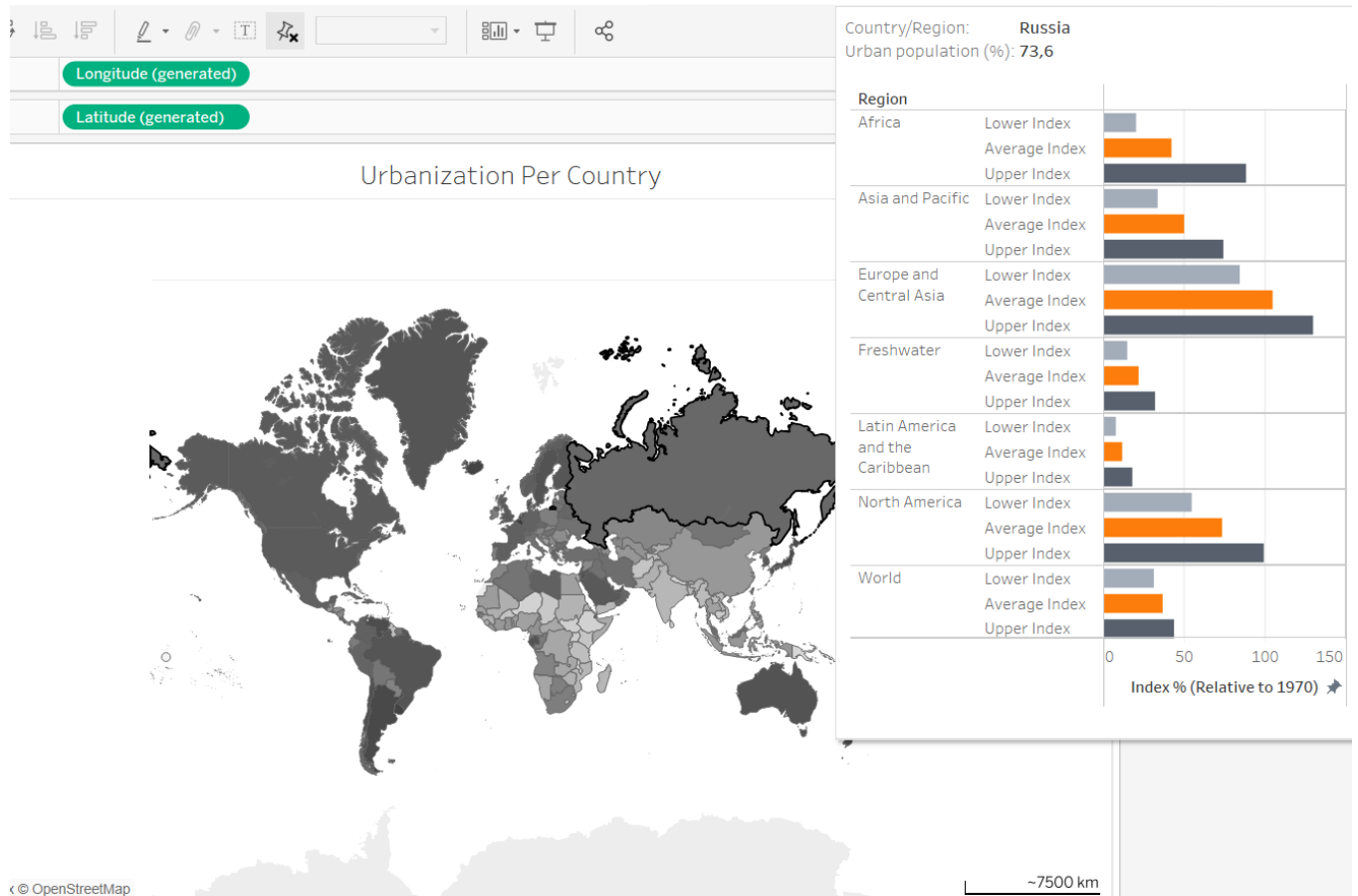
Ritchie, H., Spooner, F. and Roser, M. (2022) *Biodiversity, Our World in Data*. Available at:

<https://ourworldindata.org/biodiversity?insight=on-average-there-has-been-a-large-decline-across-tens-of-thousands-of-wildlife-populations-since-1970#key-insights-on-biodiversity> (Accessed:

12 June 2023).

Urbanization Per Country





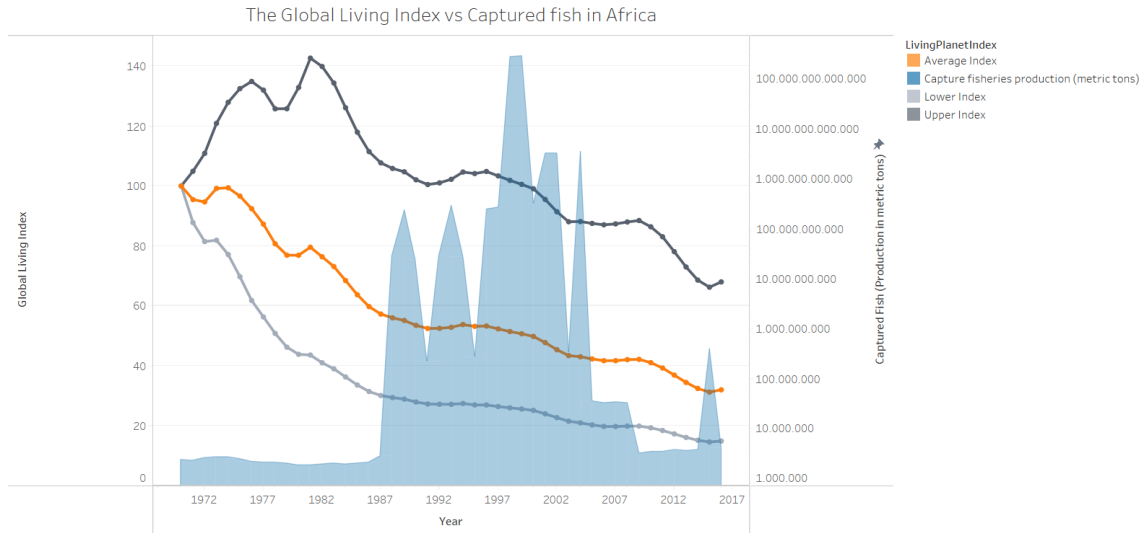
Overfishing in Africa and its effects on biodiversity:

<https://www.kaggle.com/datasets/sergegeukjian/fish-and-overfishing>

<https://ourworldindata.org/biodiversity?insight=on-average-there-has-been-a-large-decline-across-tens-of-thousands-of-wildlife-populations-since-1970#key-insights-on-biodiversity>

Ritchie, H., Spooner, F. and Roser, M. (2022) *Biodiversity*, *Our World in Data*. Available at:

<https://ourworldindata.org/biodiversity?insight=on-average-there-has-been-a-large-decline-across-tens-of-thousands-of-wildlife-populations-since-1970#key-insights-on-biodiversity> (Accessed: 12 June 2023).



The number of unique taxonomic groups in the state of New York &

The number of unique plants in the state of New York:

<https://data.world/data-ny-gov/tk82-7km5/workspace/file?filename=biodiversity-by-county-distribution-of-animals-plants-and-natural-communities-1.cs>

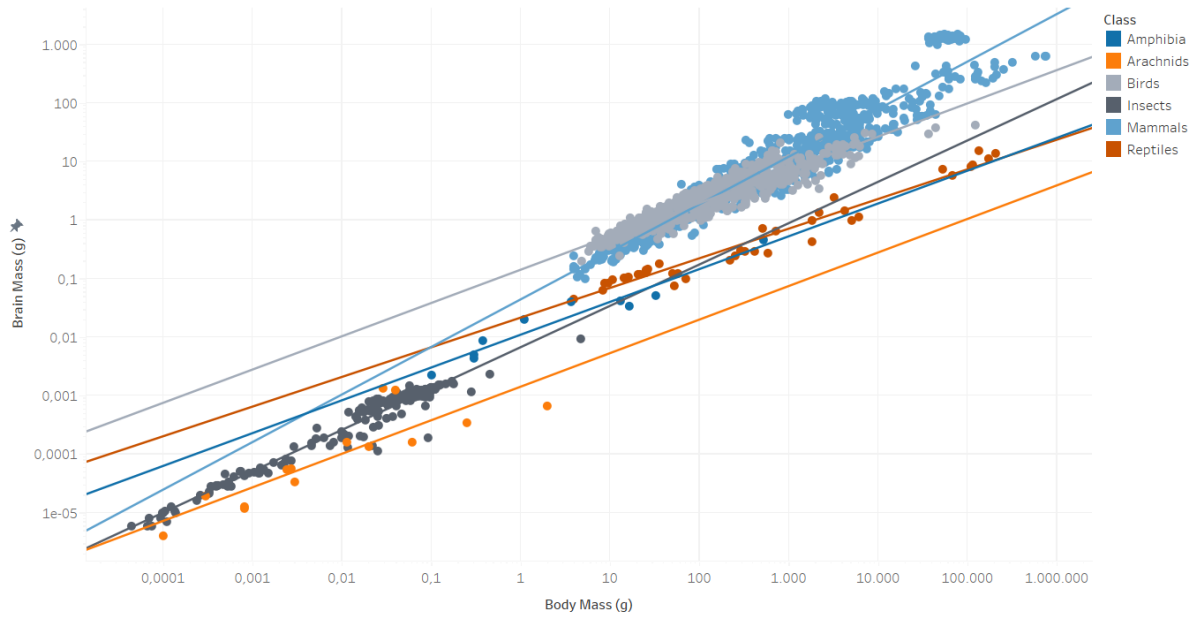
Living Planet Index:

<https://ourworldindata.org/biodiversity?insight=on-average-there-has-been-a-large-decline-across-tens-of-thousands-of-wildlife-populations-since-1970#key-insights-on-biodiversity>

IUCN Redlist Changes - 2002 to 2022 - Single Measure & IUCN Redlist Changes - 2002 to 2022 - Multiple Measure: [IUCN Redlist Changes - 2002 to 2022 \(PDV 10-2022\) - dataset by project-data-viz | data.world](#)

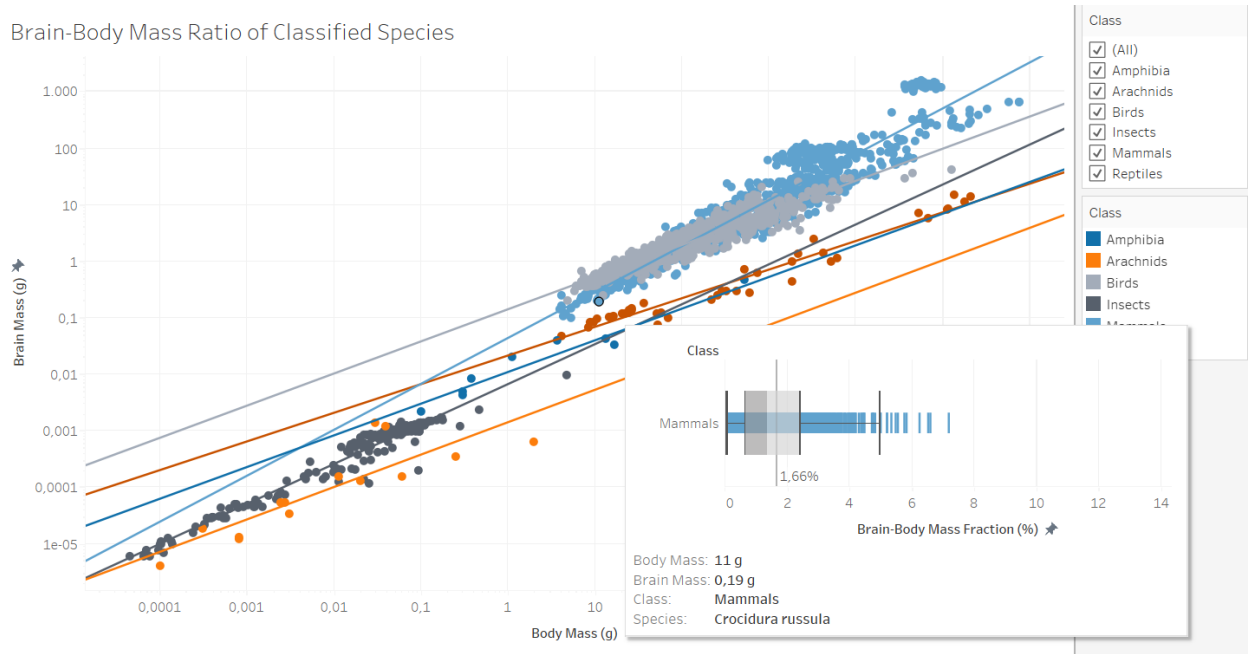
# Evolution: Morphological Factors compared to Taxonomical Classes

Brain-Body Mass Ratio of Classified Species

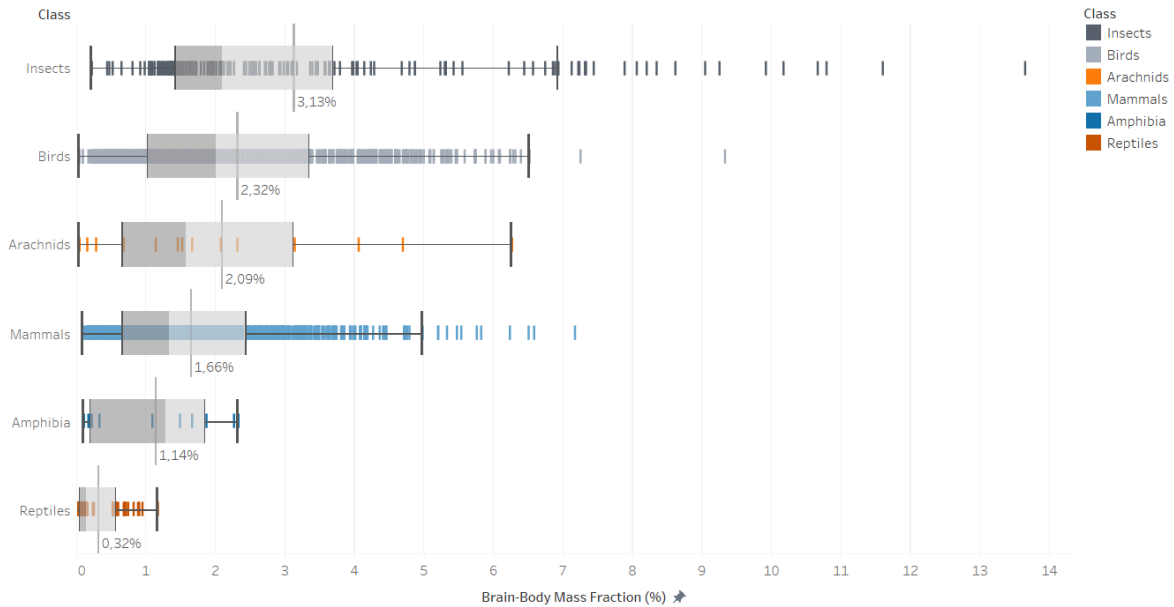


Body Mass (g) vs. Brain Mass (g). Color shows details about Class. Details are shown for Species. The view is filtered on Class, which keeps 6 of 6 members.

Brain-Body Mass Ratio of Classified Species



### Brain-Body Mass Percentage of Classified Species

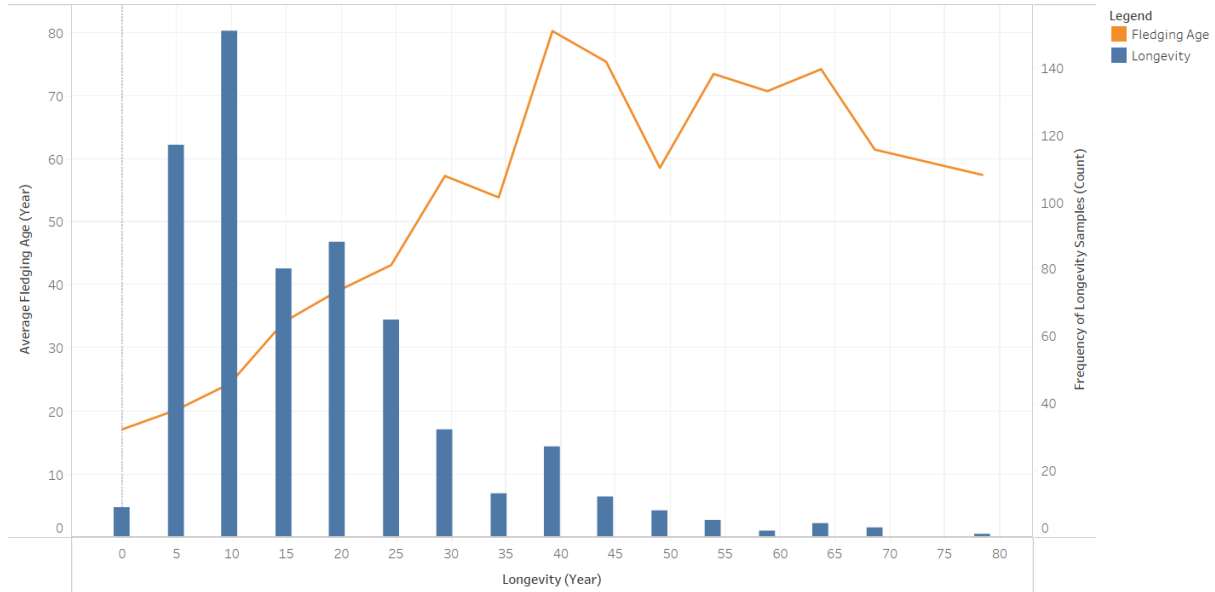


Brain-Body Mass Fraction (%) for each Class. Color shows details about Class. The data is filtered on Tooltip (Class), which keeps 6 members. The view is filtered on Class, which keeps 6 of 6 members.

“AnimalTraits,” *AnimalTraits*, 2021. <https://animaltraits.org/> (accessed Jun. 11, 2023).

### Evolution: Bird Life Cycle and Development

#### Relation Between the Age Distribution and Fledging Age of different Aves species



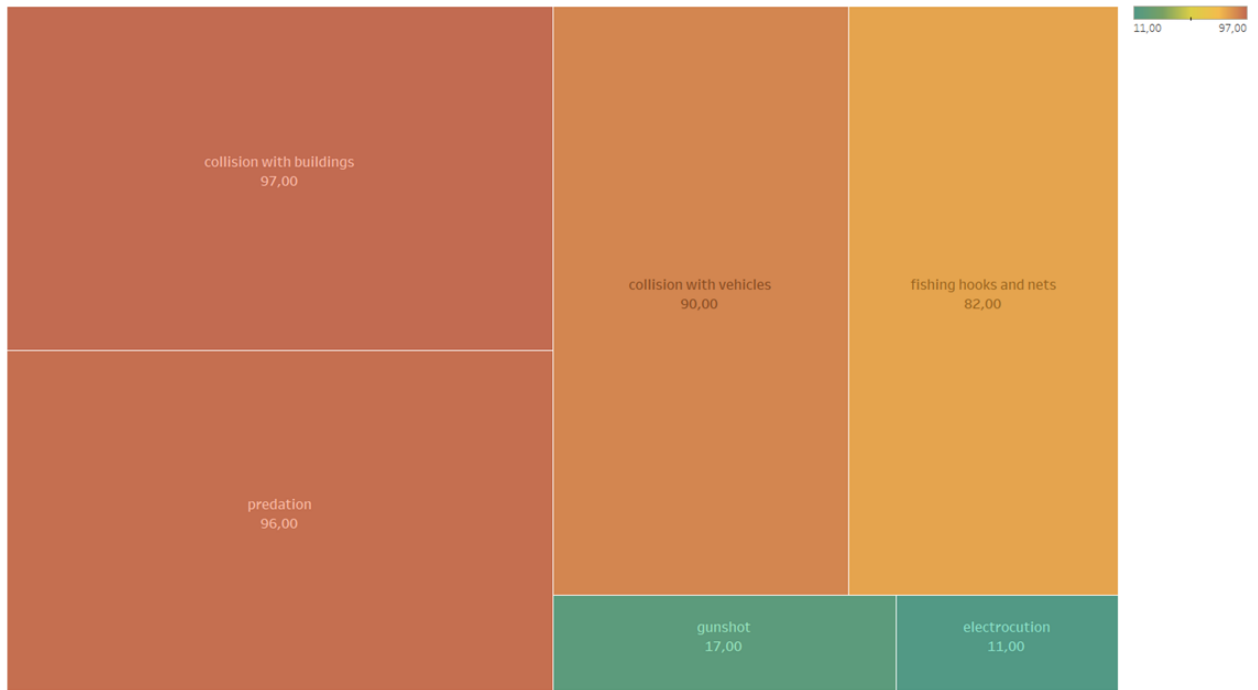
The trends of Fledging Age and Longevity for Longevity (bin). Color shows details about Fledging Age and Longevity. The data is filtered on Longevity (bin), which excludes 74, 98 and 118.

“Dryad | Data -- Brain size and life history variables in birds,” *Datadryad.org*, 2020.

<https://datadryad.org/stash/dataset/doi:10.5061/dryad.sqv9s4n27> (accessed Jun. 11, 2023).

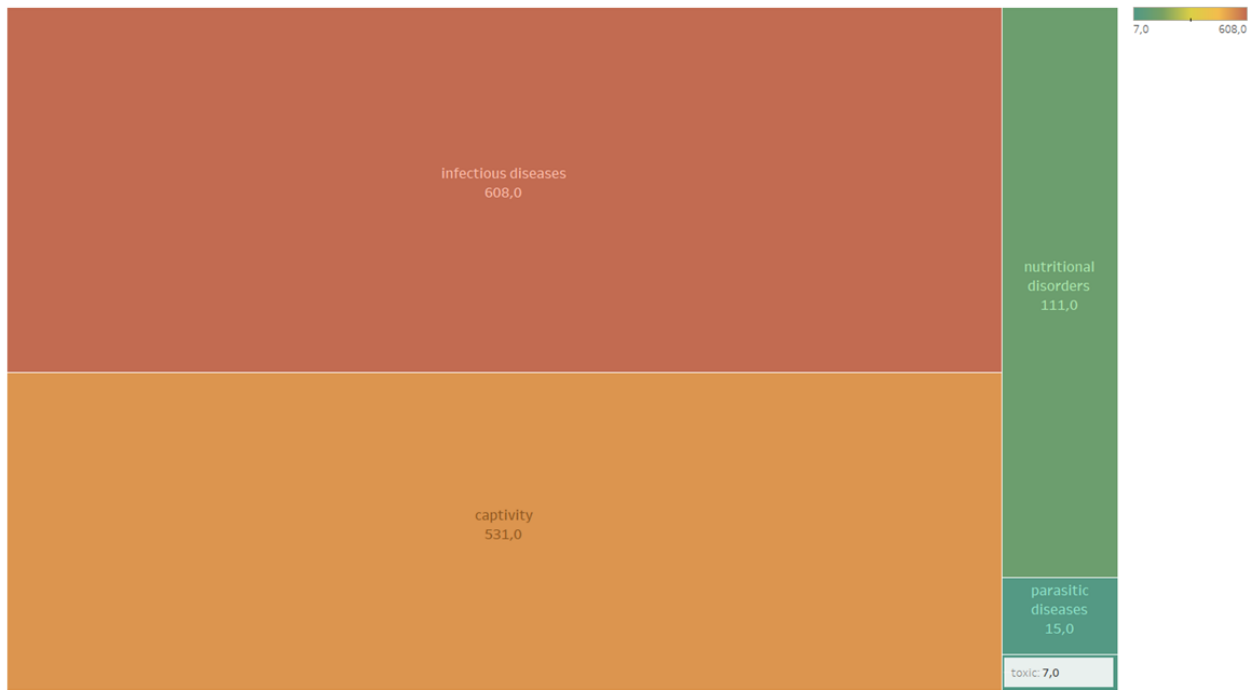
# Bird Mortality

Natural and anthropogenic causes of mortality in wild birds in a wildlife rehabilitation centre in Northern Portugal: **Traumatic**



Collision with buildings, collision with vehicles, electrocution, fishing hooks and nets, gunshot, predation, collision with buildings, collision with vehicles, electrocution, fishing hooks and nets, gunshot and predation. Color shows collision with buildings, collision with vehicles, electrocution, fishing hooks and nets, gunshot and predation. The marks are labeled by collision with buildings, collision with vehicles, electrocution, fishing hooks and nets, gunshot, predation, collision with buildings, collision with vehicles, electrocution, fishing hooks and nets, gunshot and predation.

Natural and anthropogenic causes of mortality in wild birds in a wildlife rehabilitation centre in Northern Portugal: **Non-Traumatic**



Captivity, infectious diseases, nutritional disorders, parasitic diseases, toxic, captivity, infectious diseases, nutritional disorders, parasitic diseases and toxic. Color shows captivity, infectious diseases, nutritional disorders, parasitic diseases and toxic. Size shows captivity, infectious diseases, nutritional disorders, parasitic diseases and toxic. The marks are labeled by captivity, infectious diseases, nutritional disorders, parasitic diseases, toxic, captivity, infectious diseases, nutritional disorders, parasitic diseases and toxic.

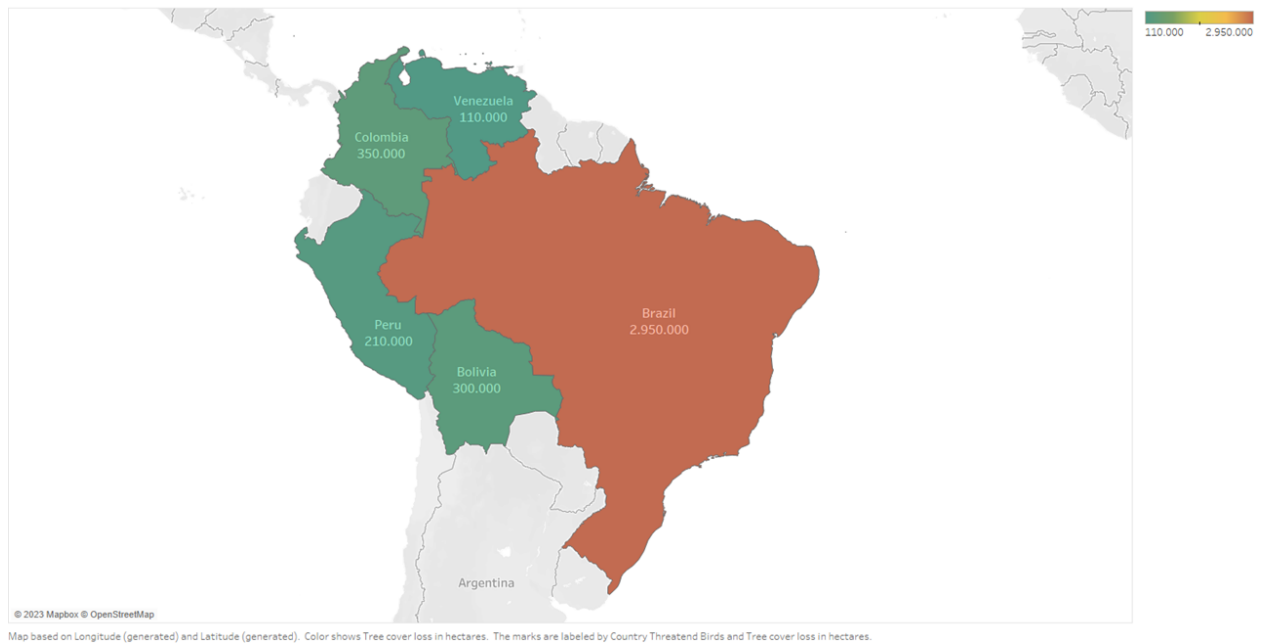


A. Garcês *et al.*, “Natural and anthropogenic causes of mortality in wild birds in a wildlife rehabilitation centre in Northern Portugal: a ten-year study,” *Bird Study*, vol. 66, no. 4, pp. 484–493, Oct. 2019, doi: <https://doi.org/10.1080/00063657.2020.1726874>.

## Biodiversity & Infectious Diseases

### Tree cover loss Latin America

Biodiversity & Infectious Diseases  
Tree cover loss in hectares



Countries with the largest area of tree cover loss in Latin America and the Caribbean from 2010 to 2021 (in million hectares) [Graph], GFW, June 29, 2022. [Online]. Available:

<https://www.statista.com/statistics/1187652/tree-cover-loss-latin-america-caribbean-country/>

### Number of Threatened bird species

Biodiversity & Infectious Diseases  
Num. Of Threatend Bird Species



“Threatened bird species,” *Our World in Data*.

<https://ourworldindata.org/grapher/threatened-bird-species>

### Malaria cases Latin America

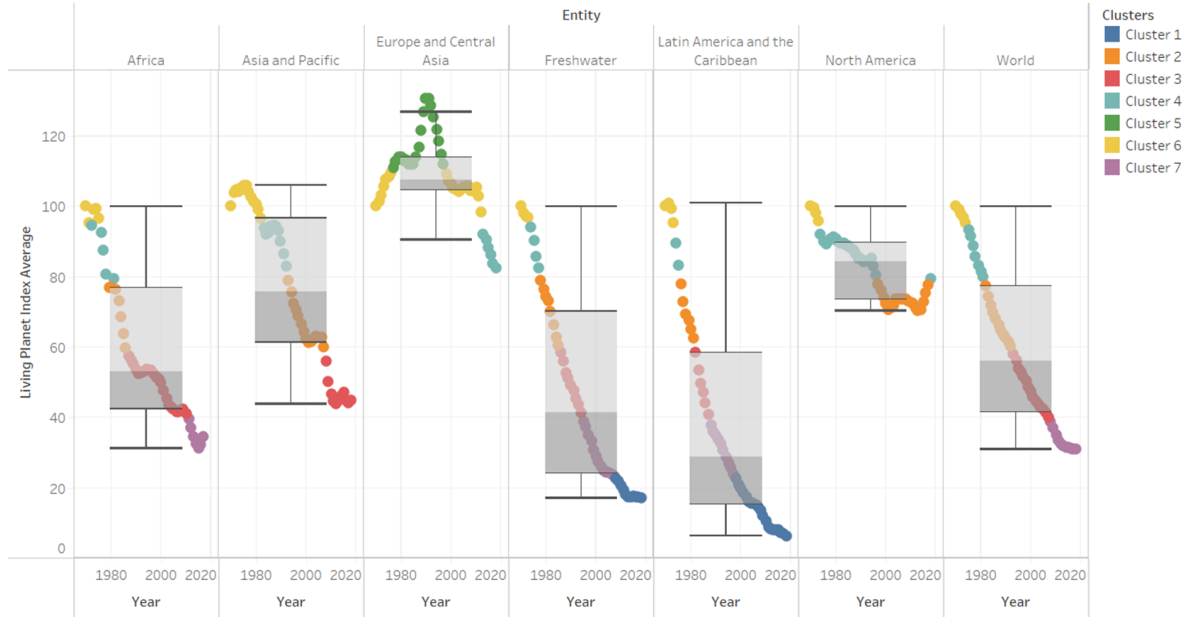
Biodiversity & Infectious Diseases  
Num. of Malaria Cases



Distribution of malaria cases in Latin America in 2021, by country [Graph], WHO, December 8, 2022. [Online]. Available:

<https://www.statista.com/statistics/995587/estimated-share-malaria-cases-latin-america-country/>

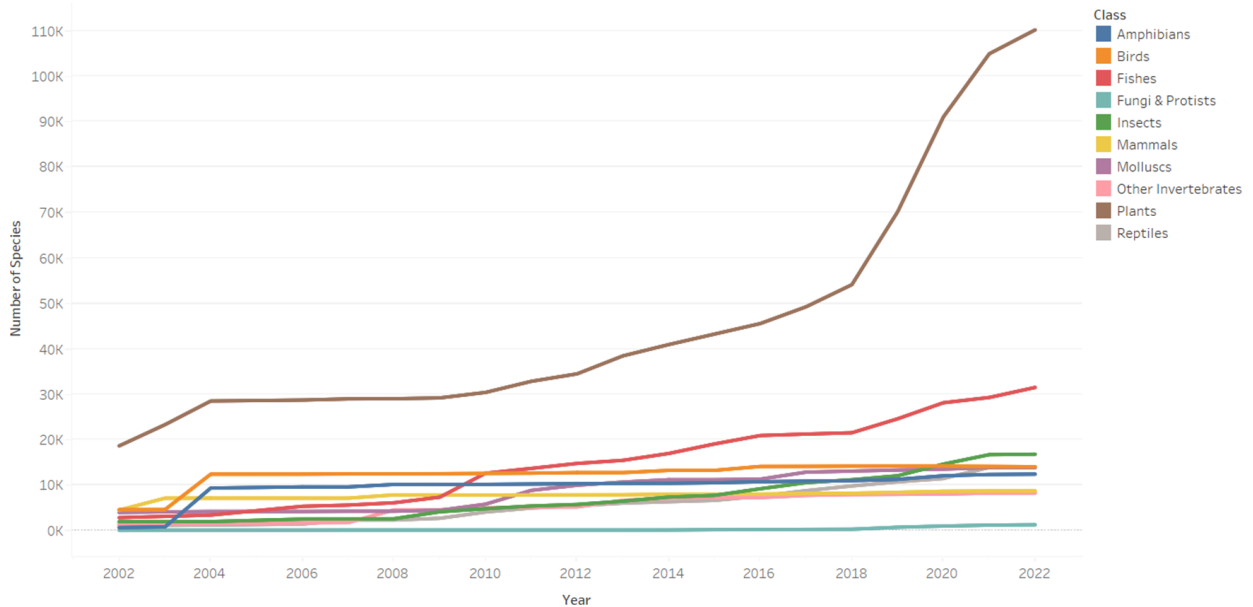
LPI per year depending on the location



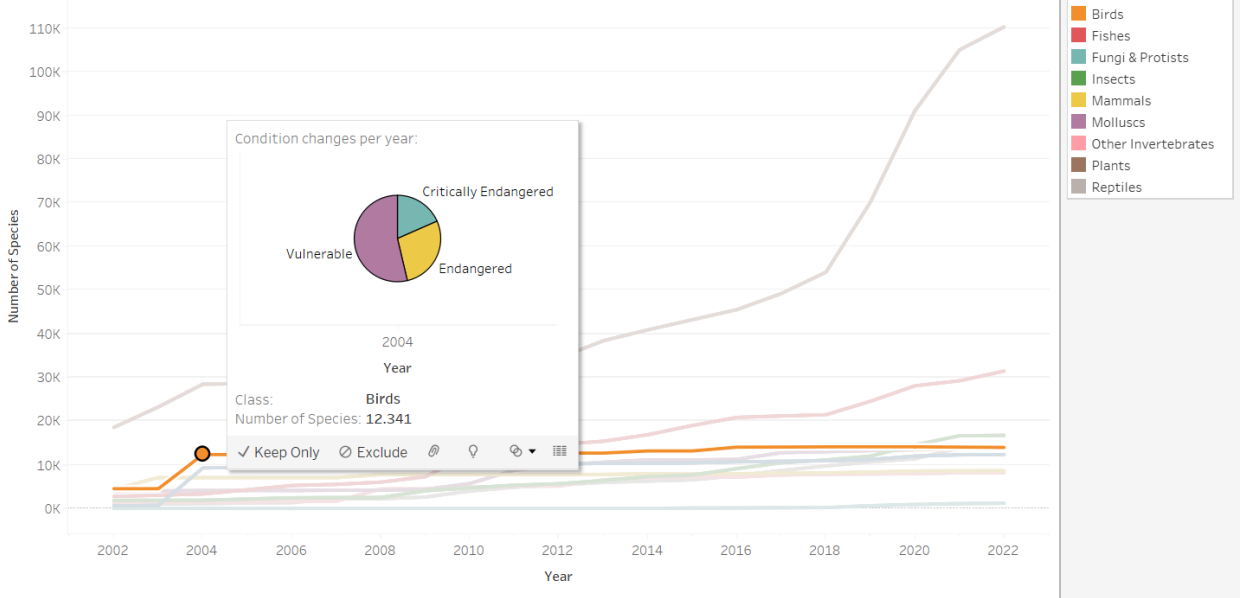
Living Planet Index:

<https://ourworldindata.org/biodiversity?insight=on-average-there-has-been-a-large-decline-across-tens-of-thousands-of-wildlife-populations-since-1970#key-insights-on-biodiversity>

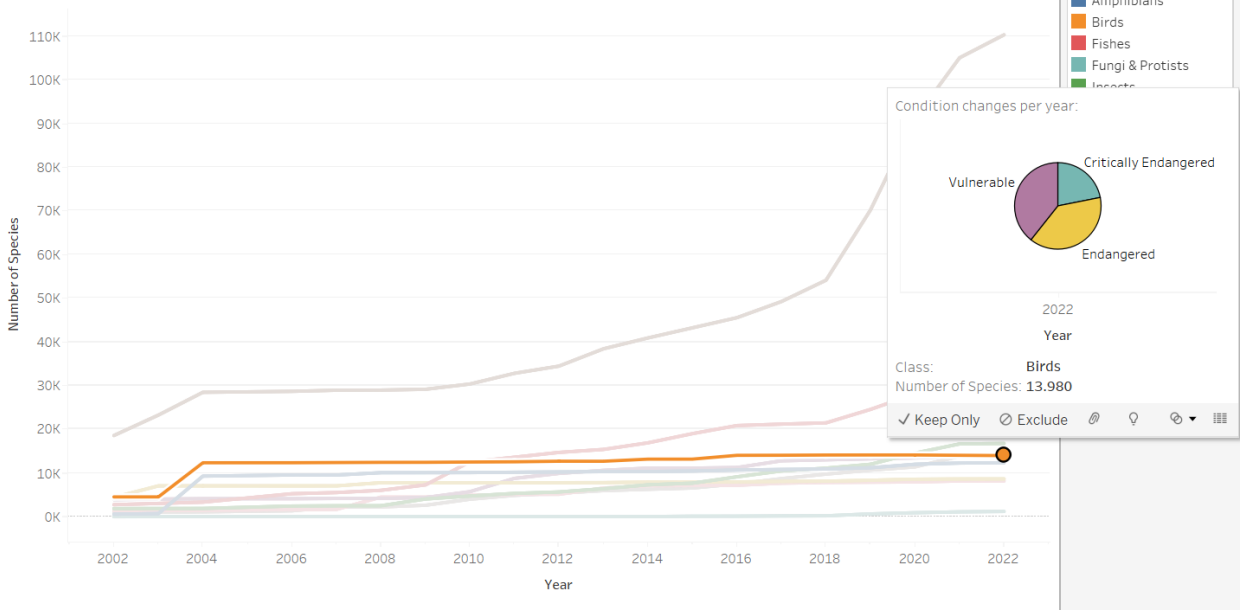
Number of species and condition changes per year



Number of species and condition changes per year



Number of species and condition changes per year



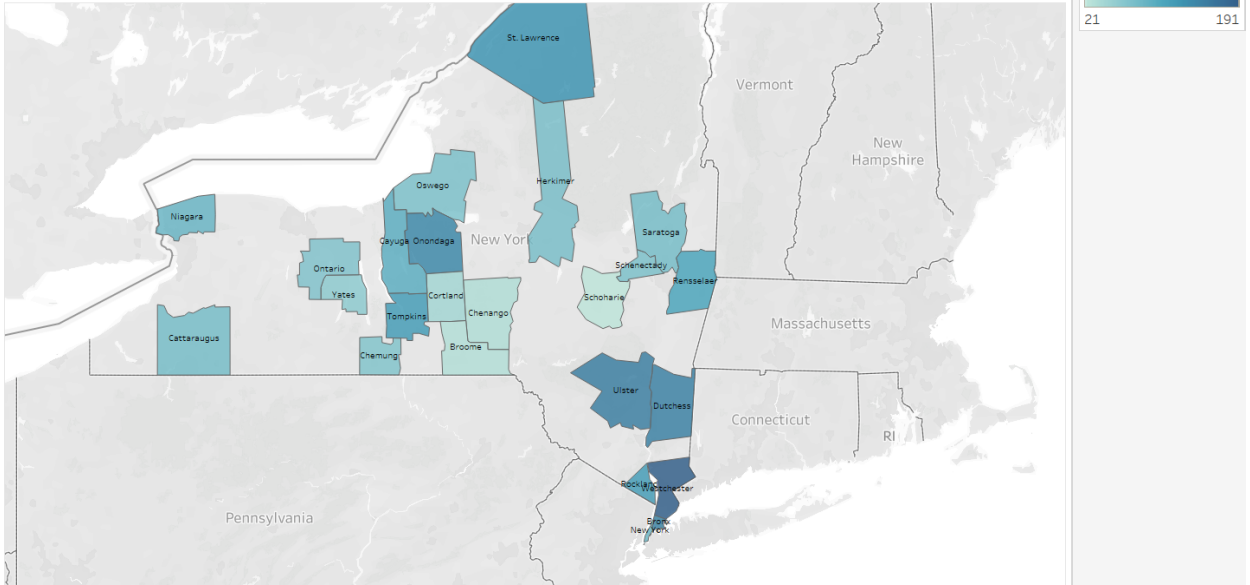
IUCN Redlist Changes - 2002 to 2022 (Single values & Multiple values):

[IUCN Redlist Changes - 2002 to 2022 \(PDV 10-2022\) - dataset by project-data-viz | data.world](https://data.world/project-data-viz/iucn-redlist-changes-2002-to-2022)

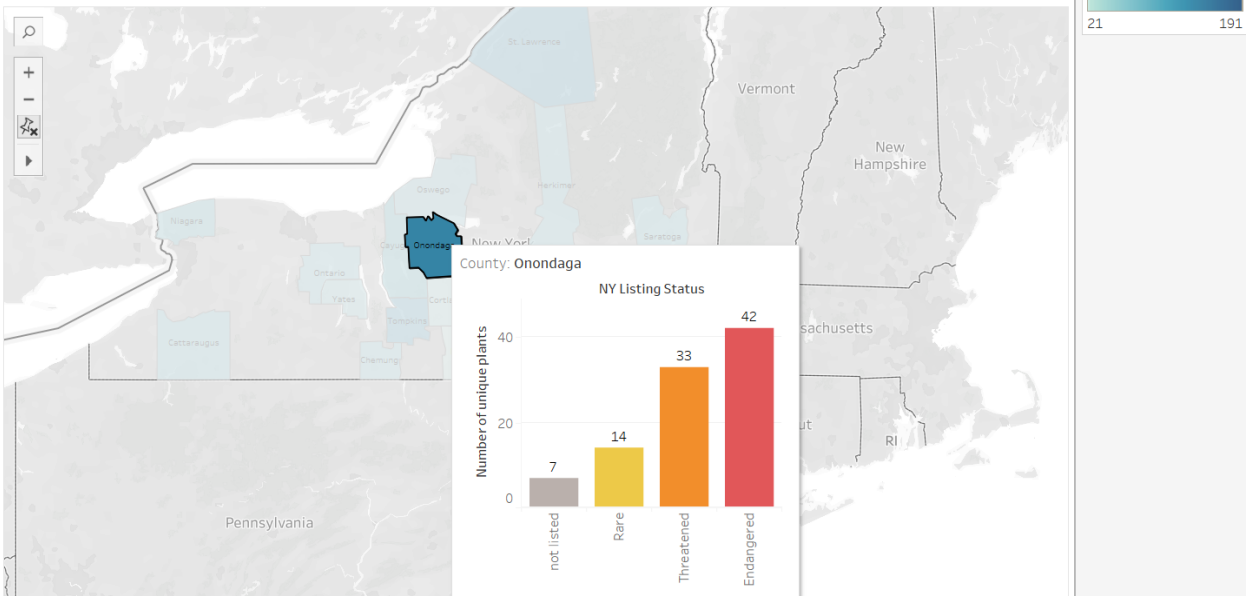
# Local biodiversity of New York

<https://data.world/data-ny-gov/tk82-7km5/workspace/file?filename=biodiversity-by-county-distribution-of-animals-plants-and-natural-communities-1.csv>

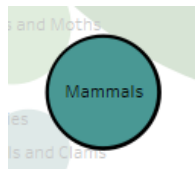
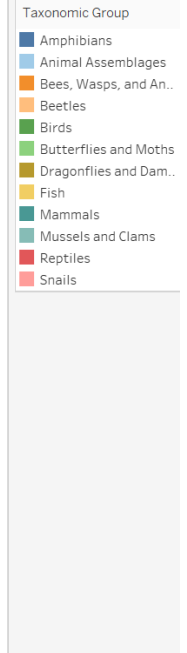
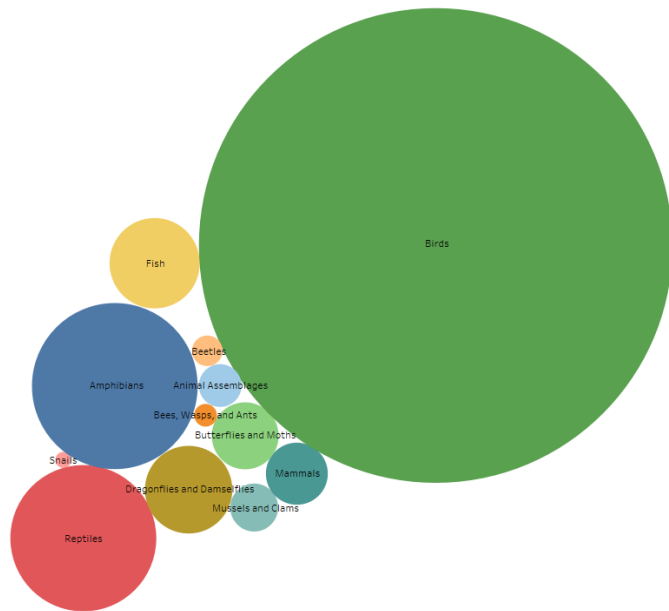
The number of unique plants per county in the state New York



The number of unique plants per county in the state New York

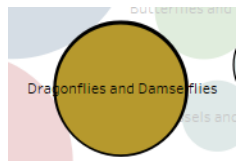
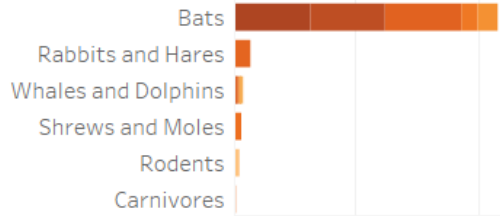


The number of different taxonomic groups in the state of New York



Taxonomic Group: **Mammals**

Taxonomic Subgroup



Taxonomic Group: **Dragonflies and Damselflies**

Taxonomic ..



Number of animals within subgroup