

Warbler Arrival

https://aeroecology.shinyapps.io/Birds_Bugs_and_Phenology/

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This data set spans from 1960-2018 without gaps in collection like those in the Leafhopper Migration model. Hovering over the name of the birds will display their body mass, wing length, and migration distance. This data will be relevant in Lesson 3: Phenological Mismatch.

- **Capture Threshold**
 - This indicates the percentage of birds captured each spring. These percentages are calculated after all the data are collected for a given year.
- **Cumulative Bird Captures**
 - Each selected decade will be displayed as its own line. The values are averaged across all species that are selected.
 - The capture threshold is a dotted green line that shifts on the graph depending on where you put the variable slider.
- **Arrival Date for (nth) Percentile**
 - The **nth** corresponds to the capture threshold you set.
 - The data changes depending on where you set the capture threshold. Note that the y-axis does not begin at 0 and will change every time you add or remove a species or change your capture threshold.
 - Data are averaged for all species you select, and all years are shown regardless of which decades you select.
 - Each dot represents the day of the year where your selected capture threshold was reached (e.g., day 125 is when 50% of selected birds were captured in 1991). There is one dot for every year.
 - A trendline can be displayed by clicking the “Trendline” box by the “Capture threshold” slider. This will display a regression line, including the slope, r^2 , and p-value calculations.