



# Winter habitat use does not influence spring arrival dates or the reproductive success of Yellow Warblers breeding in the arctic

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**Abstract** / *Yellow Warblers* (*Geothlypis trichas*) are a migratory species that breed in the arctic and winter in the southern United States. We investigated whether winter habitat use influenced spring arrival dates and reproductive success of Yellow Warblers breeding in the arctic. We found that winter habitat use did not influence spring arrival dates or reproductive success of Yellow Warblers breeding in the arctic.

5.  $\int_0^1 x^2 dx = \frac{1}{3}$

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the experimental procedures and the statistical tools employed.

3. The third part of the document presents the results of the study, showing the trends and patterns observed in the data. It includes several tables and graphs to illustrate the findings.

4. The fourth part of the document discusses the implications of the results and provides recommendations for future research. It highlights the areas that need further exploration and the potential applications of the findings.

5. The final part of the document is a conclusion that summarizes the key points of the study and reiterates the importance of the research.

$$\begin{aligned}
 & \left( \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \right)^2 = \frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \\
 & = \frac{1}{2} \begin{pmatrix} 1+1 & 1-1 \\ 1+1 & 1-1 \end{pmatrix} = \frac{1}{2} \begin{pmatrix} 2 & 0 \\ 0 & 0 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}
 \end{aligned}$$

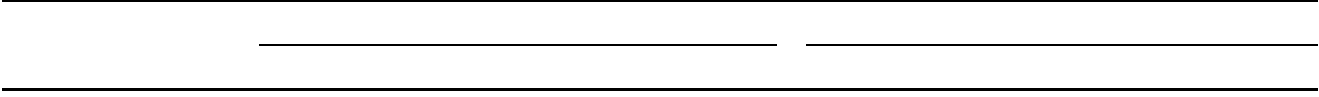
$$S^2 = \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}$$

$$\begin{aligned}
 & \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \\
 & = \frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \\
 & = \frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix} = \frac{1}{2} \begin{pmatrix} 1+0 & 1+0 \\ 1+0 & 1+0 \end{pmatrix} = \frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}
 \end{aligned}$$

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Handwritten musical notation on the left page, featuring a treble clef, a key signature of one flat (B-flat), and a 4/4 time signature. The notation includes various notes, rests, and dynamic markings such as *mf* and *f*. There are also some blue markings, possibly indicating specific notes or measures.Handwritten musical notation on the right page, continuing the piece from the left page. It features a treble clef, a key signature of one flat, and a 4/4 time signature. The notation includes various notes, rests, and dynamic markings such as *mf* and *f*. There are also some blue markings, possibly indicating specific notes or measures.







Handwritten notes and diagrams, possibly related to music or mathematics. Includes the word "Aestiva" and the name "(Dendroica petechia)".

Aestiva (Dendroica petechia)

