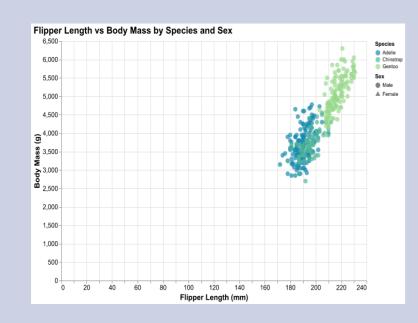


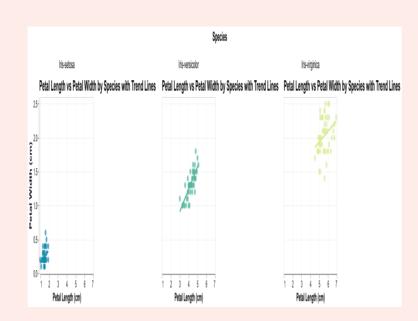
## Introduction

This poster explores how sepal width relates to petal size and species. Visualizations reveal inverse relationships and species-specific morphological traits. We analyze distributions and correlations to understand these botanical variations clearly.

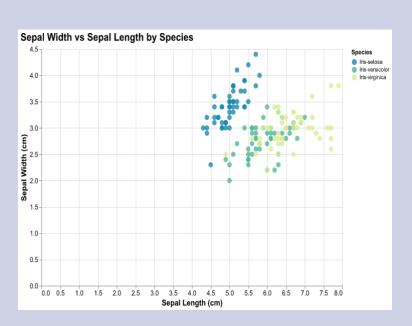
## Does Sepal Width Distinctly Differentiate Iris Species?



The chart shows flipper length positively associates with body mass, varies by species and sex, but not by island location.



Iris-setosa has the highest SepalWidthCm, Iris-versicolor the lowest, with Iris-virginica overlapping both.



SepalWidthCm and SepalLengthCm vary distinctly by species, showing clear separation among Iris-setosa, Iris-versicolor, and Iris-virginica.

## Conclusion

Sepal width varies distinctly among Iris species, with setosa having the widest sepals. Versicolor shows the narrowest sepal widths. Virginica's sepal width overlaps but tends to be moderate. Sepal length and width relationships differ by species, indicating unique morphological traits. Sepal width inversely relates to petal size across species. These variations reflect species-specific adaptations and help in their identification. Overall, sepal width is a key characteristic distinguishing Iris species alongside petal size.