Iris report

Raoul Grouls

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Overview

Looking at Figure 1, we can see that the setosa and versicolor can overlap in terms of sepal length.

However, for a given sepal length, setosa will typically have wider leaves.

Linear model

If we use a linear regression model, we can see that the 98% confidence in Figure 2 strongly suggests that the setosa grows much faster in width than the other two species.

Boxplot

If we divide the width by the length for every leave, this is confirmed again by the histogram in Figure 3 Setosa will, on average, gain 0.7 width units for every unit in length it grows, while both versicolor and virginica grow about 0.4-0.5.
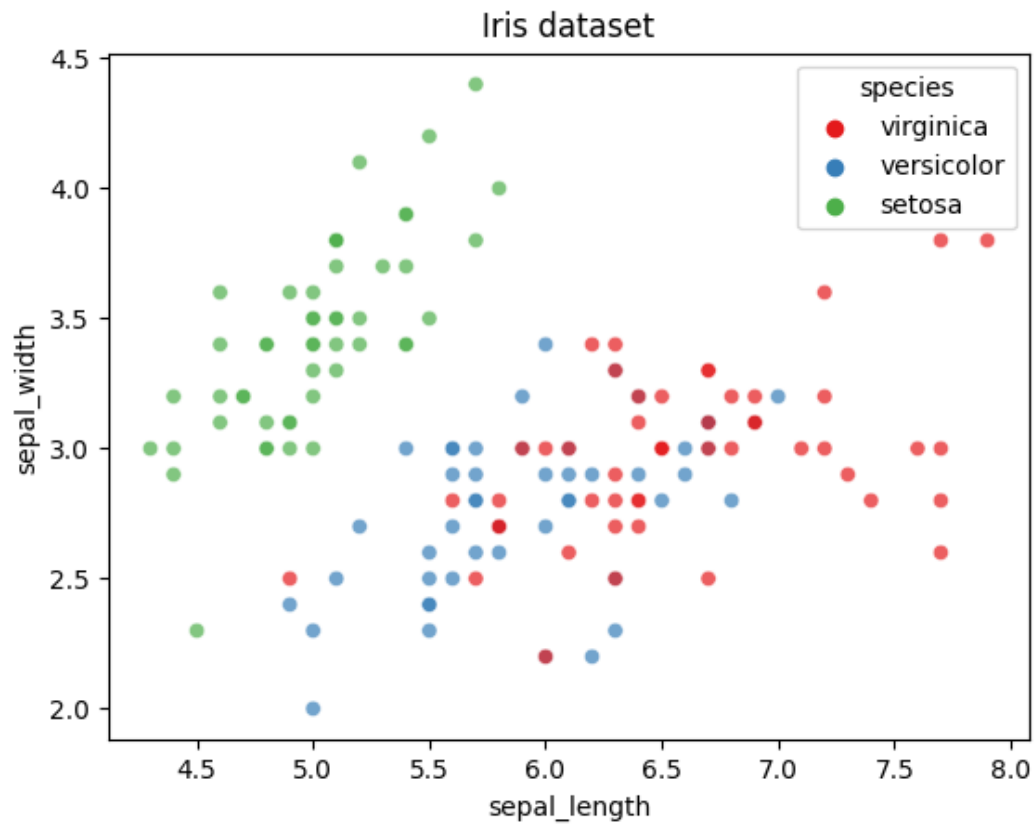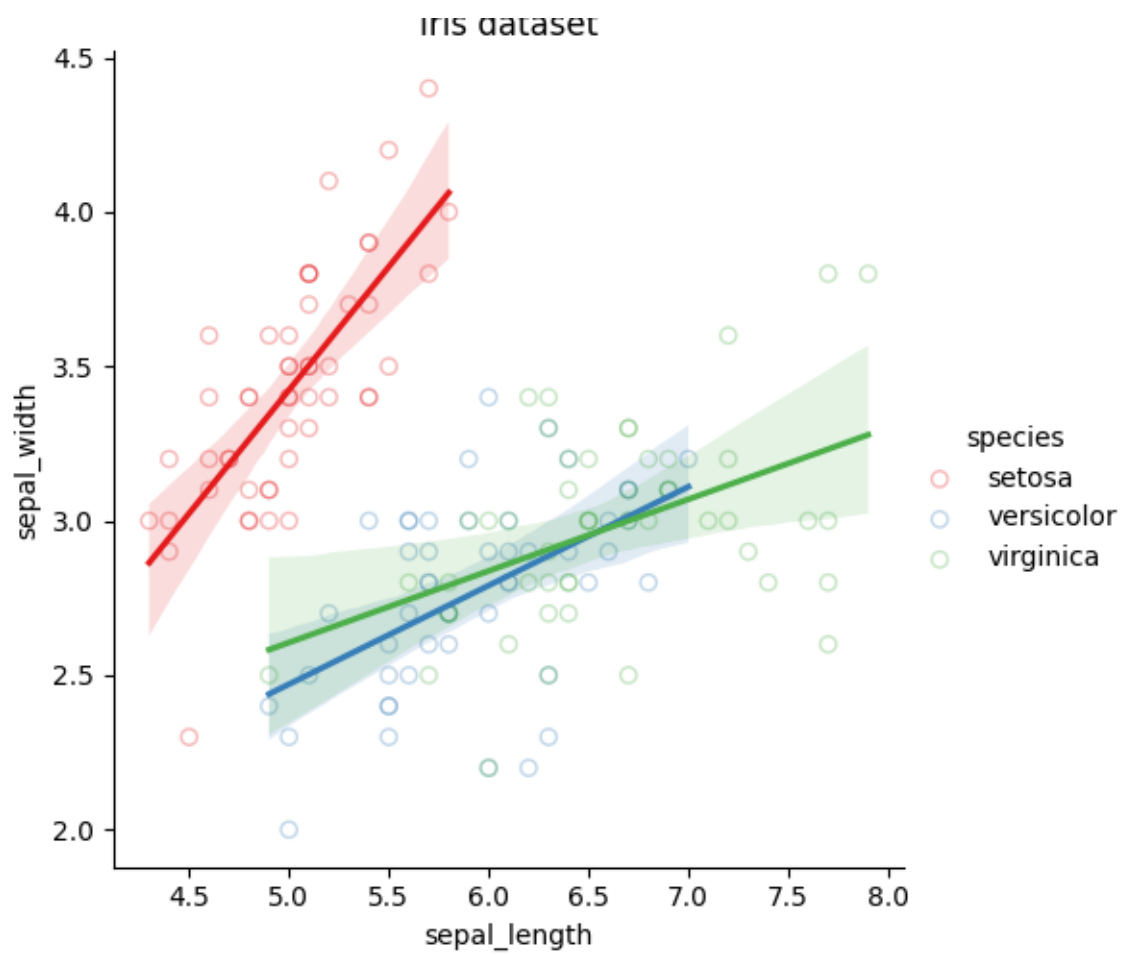
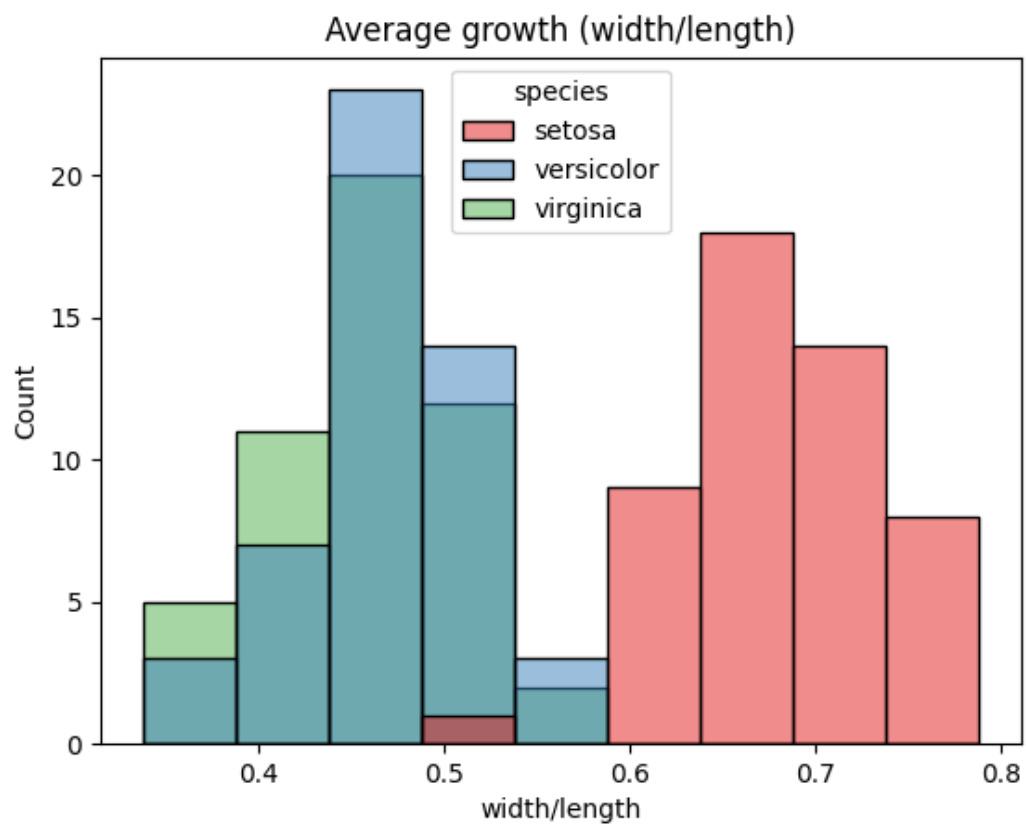Figure 1: scatterplot

Figure 2: linear model

Figure 3: histogram