

## RAG Chatbot with CSV / Excel (Powered by Groq)

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iris.csv 3.9KB

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	sepal.length	sepal.width	petal.length	petal.width	variety
0	5.1	3.5	1.4	0.2	Setosa
1	4.9	3	1.4	0.2	Setosa
2	4.7	3.2	1.3	0.2	Setosa
3	4.6	3.1	1.5	0.2	Setosa
4	5	3.6	1.4	0.2	Setosa

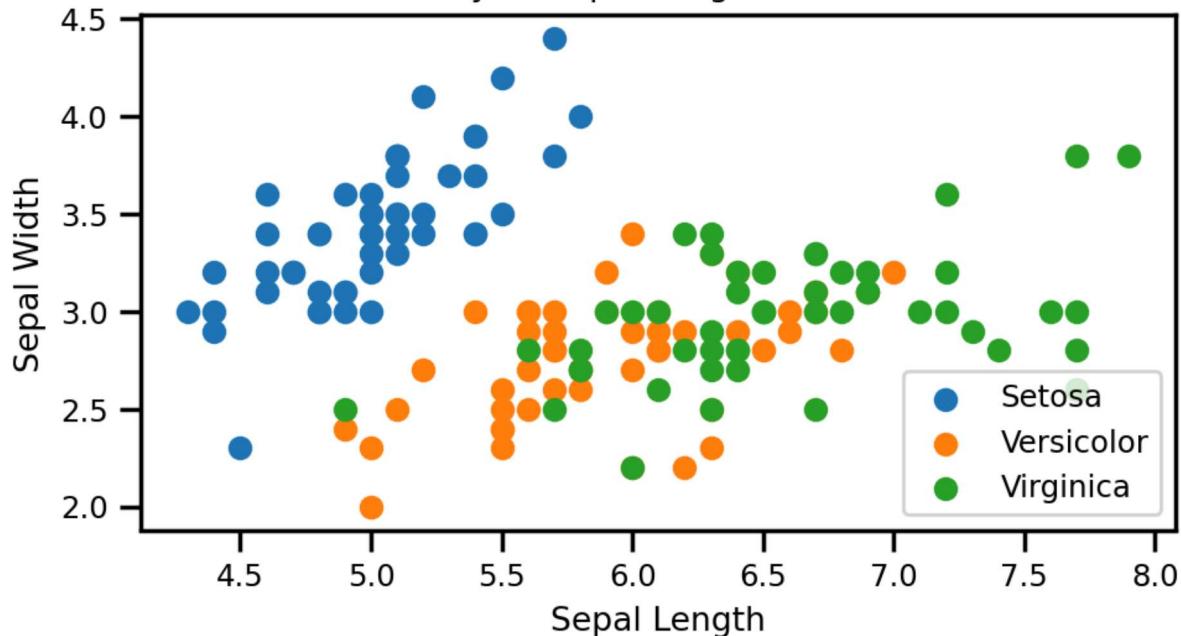
⌚ what is the average sepal length of Setosa??

⌚ The average sepal length of Setosa is 5.006.

⌚ make a histogram to show distribution of variety

⌚ The distribution of 'variety' in the dataset is balanced, with 50 instances of each variety: Setosa, Versicolor, and Virginica.

Variety vs Sepal Length and Width



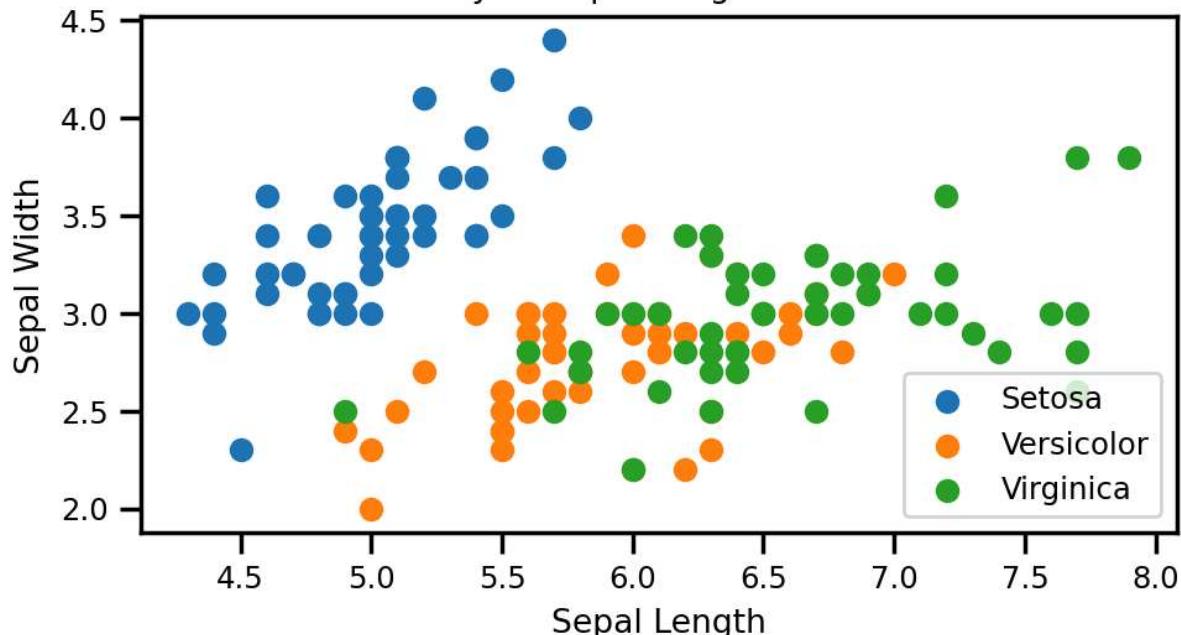
⌚ can u k means clustering keeping k as 3

	sepal.length	sepal.width	petal.length	petal.width	variety	cluster
0	5.1	3.5	1.4	0.2	Setosa	1
1	4.9	3	1.4	0.2	Setosa	1
2	4.7	3.2	1.3	0.2	Setosa	1
3	4.6	3.1	1.5	0.2	Setosa	1
4	5	3.6	1.4	0.2	Setosa	1

⌚ give pie chart based on variety

⌚ The pie chart based on the 'variety' column in the dataframe shows that there are three varieties: Setosa, Versicolor, and Virginica, each making up 50% of the total dataset, as shown in the pie chart with the title 'Distribution of Varieties'.

## Variety vs Sepal Length and Width



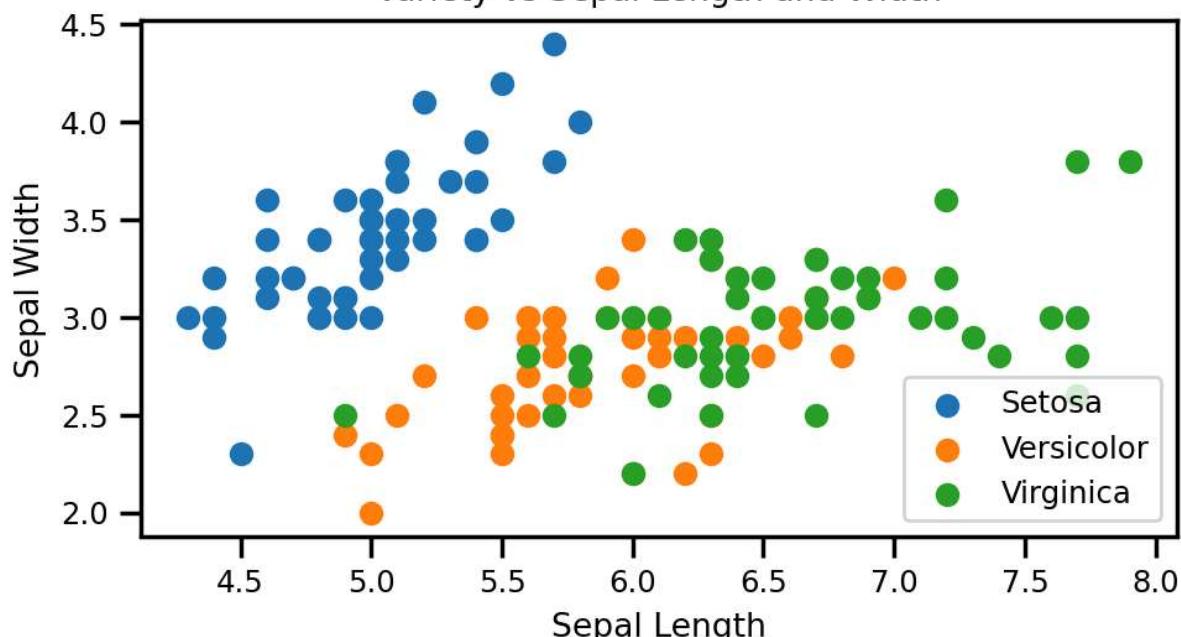
⌚ make scatterplot for the variety using sepal length nad sepal widthh only give answer as diagram

🖨️ (Note: Since the final answer is a diagram, I'll provide a description of the expected output)

The final answer is a scatterplot with sepal length on the x-axis and sepal width on the y-axis. Each point on the plot represents a data point from the dataframe, and the points are colored according to the variety (Setosa, Versicolor, Virginica). The plot shows the relationship between sepal length and sepal width for each variety.

Unfortunately, I'm a text-based AI and cannot display images. However, the code provided will generate the desired scatterplot when run in a Python environment with matplotlib installed.

## Variety vs Sepal Length and Width



Ask questions or request charts...

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