sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)

count 150.000000 150.000000 150.000000 150.000000

mean 5.843333 3.057333 3.758000 1.199333

std 0.828066 0.435866 1.765298 0.762238

min 4.300000 2.000000 1.000000 0.100000

var 0.685694 0.189979 3.116278 0.581006

*Summary Statistics:*

* *The dataset contains 150 data points.*
* *The four features (sepal length, sepal width, petal length, petal width) have varying means, standard deviations, and minimum, and maximum values, indicating differences in their distributions.*

*Distribution of Features:*

* *Sepal Length: Appears to be normally distributed with a mean of approximately 5.84 cm.*
* *Sepal Width: Also appears to be normally distributed with a mean of around 3.06 cm.*
* *Petal Length: Has a wider spread compared to sepal width, with a mean of approximately 3.76 cm.*
* *Petal Width: Shows a smaller spread compared to petal length, with a mean of about 1.20 cm.*

*Variability:*

* *Petal length exhibits the highest variance (3.12), indicating significant variability.*
* *Sepal width has the lowest variance (0.19), suggesting less variability.*
* *Specific Flower Lengths:*
* *There are 16 flowers with lengths of 5 cm and 6.5 cm, respectively, indicating potential clusters or modes in the dataset.*
* *Only one flower has 7.5 cm and 7.8 cm lengths, which may be considered outliers or unique data points.*