

Descriptive Statistics

Gives an overall description of data and which feature has the highest mean, std, and variance values. in the next step which features is good for correlation

Correlation Analysis:

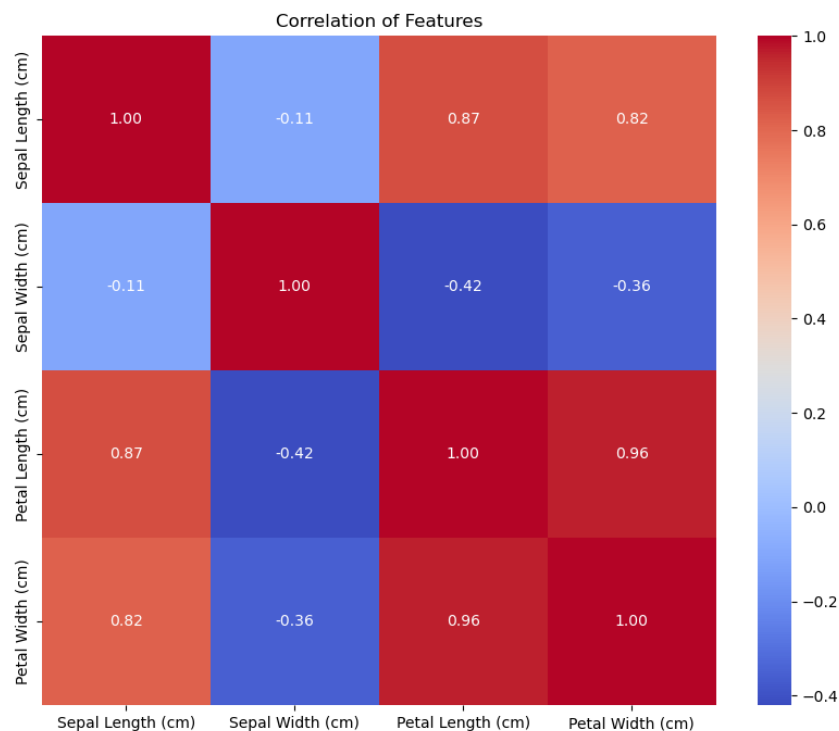
Sepal length is positively correlated to the petal_length and petal_width and strongly correlated with petal_length 0.87

And negatively correlated to sepal_width

Sepal_width : is negatively correlated to *petal length*, **petal_width**, and sepal_length

petal_length has strongly correlated with petal_width 0.96 and negatively correlated to sepal_width.

Petal_width has strongly correlated with petal_length and negatively correlated with sepal_width.



Hypothesis Testing

Reject the null hypothesis

There is a significant difference in sepal length between Iris setosa and Iris versicolor

Regression Analysis

slope represents how much sepal length changes change in sepal width.