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'DESCR': '.. \_iris\_dataset:

Iris plants dataset

**Data Set Characteristics**:

Number of Instances: 150 (50 in each of three classes)

Number of Attributes: 4 numeric, predictive attributes and the class

Attribute Information:

- sepal length in cm

- sepal width in cm

- petal length in cm

- petal width in cm

- class: Iris-Setosa Iris-Versicolour Iris-Virginica

Summary Statistics:

============== ==== ==== ======= ===== ====================

Min Max Mean SD Class Correlation

============== ==== ==== ======= ===== ====================

sepal length: 4.3 7.9 5.84 0.83 0.7826

sepal width: 2.0 4.4 3.05 0.43 -0.4194

petal length: 1.0 6.9 3.76 1.76 0.9490 (high!)

petal width: 0.1 2.5 1.20 0.76 0.9565 (high!)

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K-Mean: 0.8421052631578947

EM Algorithm: 0.9210526315789473