**Report**

1. **Summary of Dataset:**

The Iris dataset is chosen to perform the classification task. The dataset is multivariate.

-Number of Instances and attributes: Instances:150, Attributes: 4

-Number of classes in the predicted variable:3

-There are no missing or null values in the dataset.

-There is no preprocessing needed.

1. **Summary of the Research Paper:**

“THE USE OF MULTIPLE MEASUREMENTS IN TAXONOMIC PROBLEMS”

* **How was the Data Obtained:** The measurements of fifty Plants have been taken from same colony and measured by Dr. E. Anderson.
* **What did the Author use the Dataset for:** to find in what manner the specific difference may be tested for significance, so as to allow for a variate can be chosen so as to maximize the distinctiveness in species.
* **What type of experiments were done on the dataset:** A sequential Arithmetic procedure was performed on the dataset which involved finding the Observed means for the species (versicolor, Setosa ), sum of squares and products of measurements of attributes and finding the variation of the coefficients.
* **Summary of the author’s results:** Given, multiple populations having several characters measured to a certain measurement, populations are best discriminated.