**REPORT**

**Iris Flower Dataset:**

The following images have been generated from training the iris flower dataset with respect to different combinations with hyperparameters as

1. learning\_rate = 0.05
2. max\_epochs=1000,
3. patience=3

**How to run the program**:

* ***python3 script.py***

script.py file on the project root contains the necessary code to initialize 3 models – Logistic Regression and Linear Discriminant Analysis i.e. 2 for each variant.

Text

Description automatically generated

Chart

Description automatically generated

**Configurations**

The above plot has been generated on a randomly sorted dataset. If consistent results are needed, ***please set randomness\_allowed variable to False***.