**Documentations: Training of weights with boosting of variational inference**

**Dataset:** Cancerdataset (csv file) – data.csv

Features: 32

Classification: Benign/ Malignant – (0/1)

**Deliverables:**

1. Neural Network with weight distribution applying Boosting of variational inference
2. Neural Network with weight distribution applying variational inference
3. Frequentist neural network (regular Neural network)
4. 1 , 2 and 3 with given data set
5. 1, 2 and 3 with a different data set of choice

**Theory Required:**

* Variational Inference
* Boosting of Variational Inference
* Pyro
* Pytorch

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