

Use the following dataset for today's lab.

<https://www.kaggle.com/c/dogs-vs-cats/data>

- ① Split the dataset into train/validate/test in the ratio 70/15/15 using some library.
- ② Display \rightarrow some samples from each set.
 \rightarrow dimension of each set.
- ③ Implement logistic regression and gradient descent algorithm from scratch on this data.
- ④ Train your dataset (train/val) using this logic

⑤ Test your dataset on the trained model.

⑥ Experiment with the learning rate ' α ' by varying it.