

# Implementing the Naive Bayes algorithm

## Lab Assignment 7

Due date: February 5, 2021

1. In this lab, you are going to implement Naive Bayes algorithm using the following "Zoo" data set.

The Zoo data set taken from UCI data repository contains data items that describe animals according to certain attributes that categorize them under 7 different classes. This data set consists of 101 animals from a zoo. There are 17 variables with various traits to describe the animals. The 7 Class Types are: Mammal, Bird, Reptile, Fish, Amphibian, Bug and Invertebrate.

Implement Naive Bayes algorithm to predict the class of the animals, based upon the variables.

For building the model, split the data set into train set and test set (80:20). Use the train set to build the model and the report the accuracy of your model using the test data.

The data set and information about the same is uploaded in Google classroom. You can download from there.