

A basic machine learning problem: image classification Classification problem is a very important part of machine learning. Its goal is to determine which class a new data belongs to based on a set of training data whose class is known. For example, in mail management, classifying an e-mail as “spam” or “non-spam” is a typical binary classification problem, and the classification of credit rating of credit card customers by banks belong to multiple classification problems. More specifically, in order to understand image classification problem, let us pose the following question:

itemize

G iven a set of images of cat, dog and rabbit, how does a machine classify the three different classes?