

1. What is the difference between supervised learning?
2. How is deep learning different from traditional machine learning?
3. What is the 0-1 loss function in the classification problem?

1. Machine learning can be supervised if the samples that it trains on have label information. Supervised learning can be divided into classification problems and regression problems.
2. Unlike traditional machine learning, deep learning does not need to design feature extractors for each problem.
3. The function returns 0 if the predicted label of the sample is the same as the actual label, if not, it returns 1.