Introduction to ML for AI Notes

Chang Liu

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1 Introduction

This document is used for recording my learning for this article.

2 Content

2.1 formation of learning

Target: for the samples from unknown process $P(Z)$, we have got some samples $D = \{z_1, z_2, z_3, ...z_n\}$, now that we want to find this process $P(Z)$.

Method: here we could first assume an loss function L, that takes parameters of **decision function** and **these samples** z_i, the decision function is what we assumed before like linear function or quadratic function, samples are the sets D. By minimizing the loss function $L(f, D)$, we can get the unknown variables $A, B...$ in the loss function and get its exact representation.

Result: the loss function L is just our assumed process $P(Z)$, we can assume many loss function and find the best one among them.