Jigms	
Pora	
Carning	

Paradigan	Data	Objective Mall
supervised learny	observation label (X P) (Y P) (P) (P) (P) (P) (P) (P) (P) (P) (P)	discrimination function $y = f(x)$ conditional distribution $p(y(x))$
unsupprised learny	XC1), XCP) ERRN Lobservation, often iid assumed Lobservation, often iid assumed ex: X: use rating (sougs, others, hands)	generalise model / data dishihahar P(X) eg. Lusit, clusteriz / dimension deduction P(X) estimation (society) = F(X)
reinforament learning	state Jien priese (A)	ophwal achon-selection $q^* = f(X, r)$ transition model $(X, q) \leftarrow P(X) p(X X ^{105}f_{(1)})$