Basic Markin Learning Setup "Supervised"

Similar Space & Markey Space & Markey Space & Markey Distribution & XXY. · have mad . Cute: We purish: the first of by the string of the forth of the first of the first

God: - Minny the Rik: 0* - argin: [4(4, f(x, 0)) dp.

Examples:

Regionary:

- Lest R = [0, 1] Y = 1R and

ye quies by the purchformed of Me.

- Lest fl. (9) he some land of function

(5 cay birn in publication)

- Lest L(3,3') = 19-5' =

- Lest L(3,3') =

- Lest L(3,3') =

- Lest L(3,3') =

- Lest L(3,3') =

- Lest

- any [if (x) - g(x)] dx = R(t)- Lot $X = \mathbb{R}^n$ $Y = \{t_{\pm}\}\}$ - Lot $X = \mathbb{R}^n$ $Y = \{t_{\pm}\}\}$

$$Y' = P(Y = \{\pm 1\})$$
 $f(\cdot, 0) : X \to Y'$
 $f(\cdot, 0) : X \to Y'$
 $f(\cdot, 0) : X \to Y'$
 $f(\cdot, 0) : X \to Y'$

=

(P3 (3)

Francia Risk

1.6. P (|Ring (0)-R(0)| > E) - O Ve>0 L(y;, f(ki, a)) (+25(0)) ansite Gene angui Riv (0) Por that the week law of W'=A-1/2V'- 1(V"A2X+XA2V") Ring (02,) -> R(0x) AXX+) "A A'SW'EV'- 31X(V'A2X+X1A2V - Hours, it may be that MA-2X + KA-2X Remy (Q) Prot > R(Q) A"=(T+XXT)

1 J J. M. M. L. L. M. s.t. JN.

polymine, i.e. Θ = {(a,) = 6 κ s.t. 3N

f(κ, Θ) = ξα: x:= ρω(x)

f(κ, Θ) = ξα: x:= ρω(x)

f(γ, y!) = y-y! Don R(O2) - 0 2 No! NA Legans 9th of Remp in always such that this county is experiebly store! Need suite Ring (9) - 9 R(4), let the min mister the first enough of last LX=[0,1] Y=R, n or XxX given

Lx sampling X uniformly and selling

y=g(x) for some runking furting dayne n-1 interpolate at the grints R(0)=) [Po(x)-g(x)] dx. $R_{emp}^{n}(Q) = \frac{1}{h} \sum_{i=1}^{h} \left(p_{e}(x_{i}) - g(x_{i}) \right)$ Lat O' & angmin Ring du the Rubben: For each find Q, Overfitting Example: The empirior with in Remp (0.) = 0 - The rick is