	Chapter 1 Introduction to MI 801
	Goal - Introduce Framearook
	1) dela
	2) model Train
	3) loss
	Illustration / motivation
1	- lineau Regression
	image cleusification
	(1) doublet 4
	1 input "income"
,	Rgreesion y output "Happiness
_1	"Tabular datasets"
	A STATE OF THE STA
_	I mage classification;
	X- Image y-class f (1,)
	y: "boat" = 05 clauses
t the	Political designation of the second of the s
	RHOX40 QUELY (XI, YI) 1=1:H- precomber of Elemen
	RADRATO
	3×40×40
	RCTB
	dim ? IR

	Model	0
~	1. supervised when yis known.	
	j x	
	lineau Rogression	
	f(x)= ax+b parameters	
h	V. Notation 0 - (a, b) parameters in +	
	o (a) parameters in j	
	f(x) = y /input output	
	parameters	
	Question: find (best pacemiele / 0,9	*
	3 loss function	
1	God mecesiere how "good / bad" are parame	ten?
1		

Regression - Mean Squared Errox Li-ly: - 9:12 $\frac{1}{N} = \frac{1}{N} \left[\frac{1}{1 - f(x_i)} \right]^2$ Remark {xi, yi}; are fixed Once we have O, Q.B then we train min 2(0) 0 = arg min 1(0) _ minima, parameter pare