	Lecture -07 02/18/2020
	P=1, y=R H=[w, x; weR] (linear modeling)
	Y 0
	$X_i = B_i nory = b^*(x) = \beta_0 + \beta_1 x,$ $Y = b^*(x) + \varepsilon$
	$g(x) = bo + b_1 X$
	Error due to ignoring
	and misspecfication
	01 210
	A: OLS => bo = Y-r Sy x, bi = r Sy
	Ordinary least Sx // Sx
	square Y=g(x)+e residual, (all 3 eirors)
	9=g(x)+e
	How well does g predict?
	Flow well does a bregget
	Ser ne con the contraction
	$SSE = (SE) e_{i} = (Yi + g(Xi))$
	(2)
	intepretable? units?
	4 metric - squard; not so intepretable
	ments - squara, not so intepretable
	MSE := 1 SSE units: Y-metric squard
Nean	Squard Error Storget this
	The proof of the p
	RMSE := MSE units: 4, very intepretable
oot mi	ean squard Dimogine il e was a realization
	error from a normal distribution
	You can show that [g(x) + 2 RMSE] = RMSE GUST, EUST,
	1
	= 95% pedicline internal how accurate your
	model is
	model 18











