Recap from 200/201 Y=f(=)fE General N=eleting France work 1) Y= ostune variable that we unit to explain 1 X = a vector (x, m, x, o) of wedictor lesydenating carriable) (3) F(): a function that makes us pliest the relationship between y & x (4) Ez error residuls Ex: Simple linear regression Y=(大)4 8 Y= (b) + (b) x + E pan we tors 1.= intercept

_ _ _ _

B1 = Slone

Girm data in rains observations (4, x) you vanit to estimate these parameter entres such You want to till store vannete & siterent varinete of alline Ex: Dendobrds data. Say you collect is realize of data (dbh, doy) ctory day of year

dbh=f(doy) & E(= f(x) f S_ the functional fc! we'll be is not like, on the the generation logistic L+ (K-L) dbh = 1+ 1 (e-v (day-day))

> paraneios O L= lover asymptite E K= W/re/ 3 doying = inflether point port @ which come tire of 5 change (4) ~ = slope of come @ in flection point 50 = symmety of type bottom it come paraveter where 00 como symmetry We wit to estimate the se 5 parameters usin dates

where

dbhzf(dby)f

emer

emer