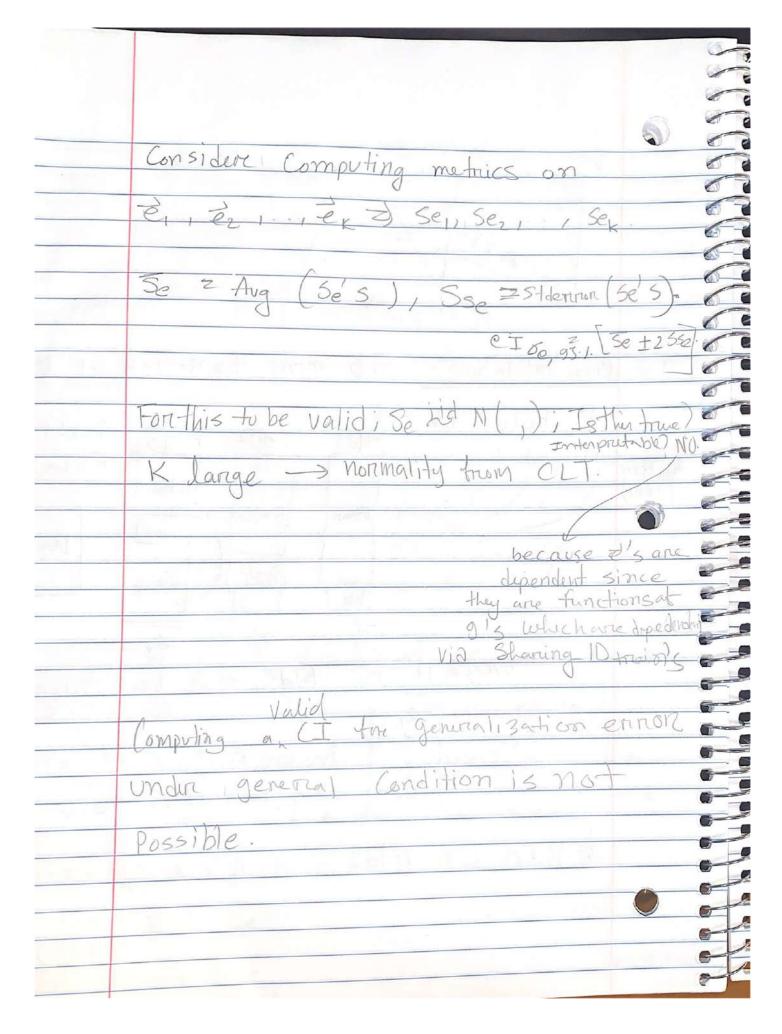


the gen error 0035e K small 00550 / 618 train-test splits. Cross Validation; many Foldk ev .-K- Fold Fold3 Fold 2 FBd1 Ditest Another D main I ntery Dinain Dingin Dinain Diest Dies folds, each observation is Overa obs once . NOW Compute metrics on lave - one-ont n tolds Validation LLDOCV



aiven D, you have many choices of mode and ol cause there are Change Therefore have a choice of How do we Say You letucker Praw b, X + b) 1x+50,17 + b2 1x651,2 the fundamenta selection.

On this class, we will provide on idea. 0014 with S with fit with 2 on Dtrain and Seis Completed D tes 9 mg select So has high Variance. 50 50 treasonable We have no it Could is that he nest because over fit since Diest was used b-e times. many

Procedure nmain Dirain Fit 9, On 1D train, Compute Se, on D selec on Dselect nselect D Validate 3 Fit 2 00 .... Sez u Diest (m) Fim Inon .. sem (m+1) Final my = angmax Seg m+2) Fit gmy on Dtrain U Dselect Fit I final on D. this procedure 0055e > Complexily < overafit -- Underver! o p-timal model. Consider 91, 92, 19m with increasing Complexity. Comple xity

	This is Sometimes called	Stepwise	
72.4	Modeling.		-
	O was larger Course		