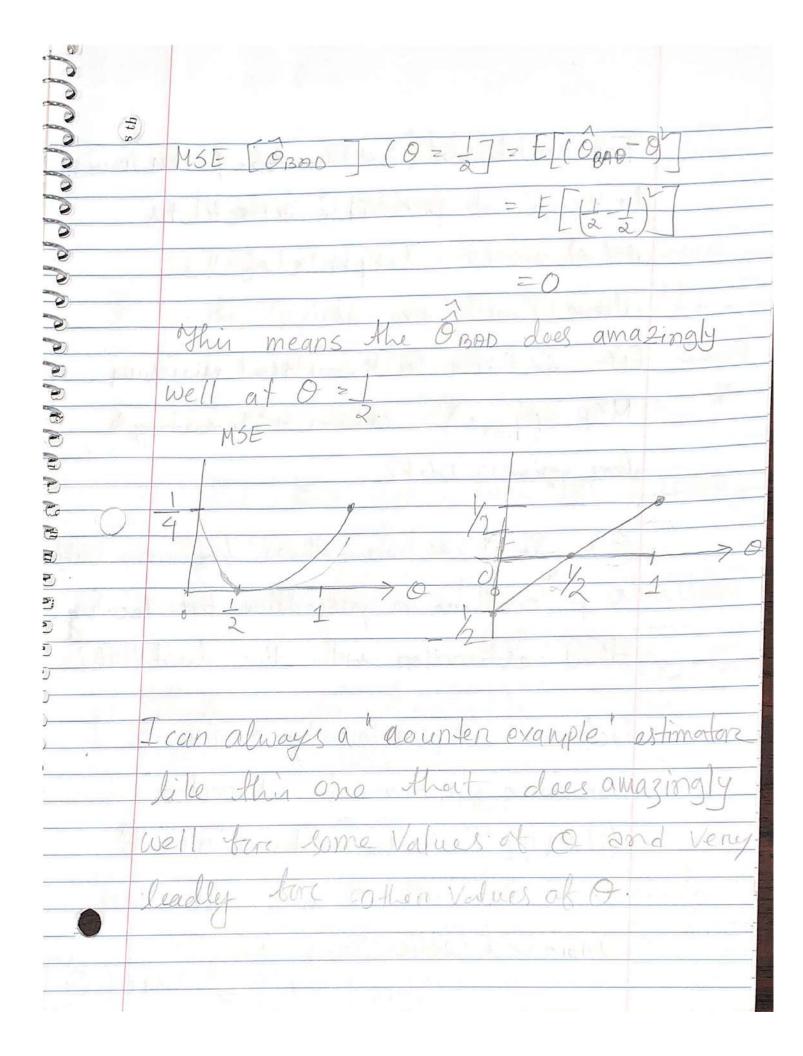
lecture 9 tha Define " relative efficieny" RE on the oratio of varciances: RE = Var Omm Vari OMLE n (n+1) (n+2) better ! =) MLE is as measured ley Variance. This means the higher the Sample Size (n leiggere the MLE's advantage OVER the MM estimators. Maybe we should be comparing the north of Two ...

Carridge in this case the tiny amount of in the MLE (see simulation COUNTmatter if n is large. two really important Buestion: in there a theorical minimum MSE (bet) When estimating of for a given DGP? in true, then fore any Duff , in there a procedure fore locations estimatore with the lest MSE answere to both... because the class of estimatory is too lig. For example; X1,... Xn 20 Bern (0). X DBAd = +



For unbiased estimators / this the scope at possible estimators and closes the loophale of the above counterrexample)... in there of theorietical Minimum MSE (best) when estimating o bon given D4P7 if I it true, then borrary Dup, 3 there ex procedure that estimator with the lest Define: a uniformly minimum Variance unbigsed extinctor MVIIE) in the estimatore. Unbiased extinations

th Rephrase the 2 questions... For a Unbiased testimators, is there a theoretical lower hours on the Variednce of the UMVUE? if is called the creamers - Rao Lowers Bour CRL13) proven 1/1945 -1846. there a procedure for locating 60metimes ... we will get to N uncure DaP iid norma La DaPla), any unbiased effirmation of The numericators in orce quantity leased on the DGP and

