



14 174	Define a uniformly minimum variance unlined
	estimata (UMVUE) is the estimator 6* s.t. for all
	and all other unbiased estimators &
	Var [6*] = Var [6]
	CHIEF THE CARES OF SHEET STEETS
	Rephrase the two questions For all "inhieselt estimators
1,	Ils there a theoretical lower bound on the variance
3	of the UMPUE? yer, Ilt is called the Cramer-Raw Lower bound's
	CCRLB) proven is 1945-1946
	the first the first and the first th
2,	Ils there a procedure for locating the UM NE? Sometimes
	unsure it we will get to it in this class.
	$Var(\bar{x}] = \sigma^2$
	CRLB, x, X, 12 pfp (0), continous
	for any unliased estimator ê,
	(I(O)) the numerator is an irreducible core
	Var [6] Z r quantity based on the PGP and 0
5:45	based on O
- Kende	
	I (0): = E[l(0:x)2] and it's called the "Fisher Unformation"
	defined by Fisher in 1922
	expectation of the
	ryeared log-libelihood
,	y



