







Source of d.f Sum of squares	
Treatment K-1 SST	MST= SST F= MST/NSF
Varieties h-1 SSV	MSV = SSV (K-1) (h-1) (k-1)
ESOT (K-1)(h-1) SSE	MSE = SSE F=MSV
Potal hk-1	(K-1) (h-1) Fh-1)(h-1) (K-1)
Range	Anova II way Toble
It's good estimated if it is	enbrased - A statistic O 15 sand to se considered iff the mean of the sample distribution of
(1) Consistent (IV) Sufficient to	10 Patrice I
Typorusistency - An estimator	of the estimator is not unbinsed
a mendom scenple of	alled bias of the estimator
OR they words it is considered	Dial Negative Island E(A) >0 E(A) <0 NVUE[minimum variance] OR (most efficient upping of CL)
estimatos of s(0) if for every e >0 200	
- exists a the integer.	of 0, if 5, 2 52 are varion
n $\geq m (\epsilon, n)$ such that $P\{(T_n - \gamma(0) \neq \epsilon\} \rightarrow a_s $	202 0 2 0 13 50 M
n-200 => polith-roll(E)	Not-if & A Comband of O
oome very large values	estimators of parameter & of the order variance
Tn -> Estimator	of there sampling destrobut
e = variance & wher = 2/3, =	Refunctor 00 for 202 to 2 e=1600 e-1600 varai
	Voron [Varail

Sufficiency: An estimator is said total sufficient, for a percameter, if it contains all the information in the sample regarding the parcameter. parameters 17. T= t(x, xz, = -2n) is an estimator of a Parameter O bused on sample sy sis - sinof Size in from the population with density

f(x, 0) such that the condition distribution

of xy, xz - - xn given T, is independent of o then t is sufficient externation of a minimum Method of Extraction, 1=f(x,0) f(x,0) -f(x,0)

D. Maximum likelihood method (1) (f(x,0))

D. Method of moments Method of moments Method of minemem Chi-sque (a) Muthod of least squares (b) Muthod of least squares (c) Muthod of Inverse probability