/			J	
/ A	0	. 47	0.	
H	Wui	Ch	Revi	(w)

Principal Component Method of Estimation	;
Choice of Spxp or Rpxp.	(In In In
NU I pxm = [Thi e, Thin em]	$= \widetilde{l}_0, \widetilde{l}_2, \cdots \widetilde{l}_{2m}$
γ×1	1 1 1
$\forall i = S_{ii} - \sum_{j=1}^{\infty} l_{ij}^2, i=1,,p$	I Ipi Ipz Ipm)
= Sui - hi , v=1,1,p	pxn
if use Spxp.	7
Δ (
Remarks 1. Contribution to the total sample variant	$u = (\int \hat{X}_{i}(\hat{e}_{i})^{2}(\int \hat{X}_{i}(\hat{e}_{j}))$
fon the job factor	
2. Propurhion et botal sample variance =	$\sum_{i=1}^{p} \widetilde{\mathcal{R}}_{i,j}^{2} = \widehat{\lambda}_{i}.$
due to jon factor	5 11 + Szz + + Spp S11+Szz+11.4 Spp

ML Methal of Estimation	
Choice of using X ~ Wply 2) or s	itandardizing L.
Nao L= MLE of L	9
Dexp = MLE of W	
\$ = MLE OF Z = LL + G	
if use X	12
Remark: Proportion of total sumple variance =	Z Ĉij
due to j'h factor	S11+522 + + Spp