Yell (Y) = (y, T) yz, ..., y T) (ABXI)

Similarly,  $Z = \left[ z_1, ..., z_R \right]_{N_1 \times R}$ 

for watricipit women aggs of the for watricipit with the second of the s

(wm) I) micro ind mun (x) + Xo d,

2 = diag((wcom &)), (wmici x), (wrank & ) Posterior for d D. Z Y JZ d wa scalar d~N(O,  $\sigma_{\alpha}^{2}$ ) [(u-xp-2)] x exp (-1 22) « exp = 2 2 (u-xo) 2 1 x + d [ ] ] ] } « exp{-1/2 -2 (u-xo) diag(2")} + (diag (5-1) + 1 ) 2 / (diag (5-1) + 1 ) 2 > dl. N(II, V) Val = B = K & Wam + No & Wmicro + Ni & wrank + of -1

 $\overline{\mathcal{M}}_{o} = AB^{-1}$