Montag, 8. Februar 2021 15:55



· Lenna: (xTx+=1,) "xT=xT(xxT+71,)"
Proof:

Proof: \* XE RNKD

· (xTX+T10)xT = xT xxT+ ZXT = xT (xx7+ ZA)

· multiply by (xTx+IAs) from left
" (XXT+IAs) from right

=> xT (xxT+7 12) = (xTX+710) -1 xT

 $\hat{x} = (x \times T + \tau \mathbf{1}_{N})^{-1} Y \qquad \text{show} \qquad \hat{\beta} > x^{T} \hat{\alpha} \qquad \text{where} \qquad \hat{\beta} = (x^{T} \times \tau + \tau \mathbf{1}_{D})^{-1} x^{T} Y$   $\times^{T} \hat{\alpha} = x^{T} (x \times T + \tau \mathbf{1}_{N})^{-1} Y = (x^{T} \times \tau + \tau \mathbf{1}_{D})^{-1} X^{T} Y = \hat{\beta}$