Sunday, January 31, 2021 6:16 PM

past affects future so std error isn't right spurious correlations! (inear trends by regressing time and a variable

Time trends $y_t = \alpha_a + \alpha_t + \alpha_t$ $y_t = \hat{\alpha}_0 + \hat{\alpha}_{tb}$ $\hat{\gamma}_t = (y_t - \hat{\alpha}_0 - \hat{\alpha}_{tb})$

Suppose Ye=Bo+B, Xe+ St+1e How 5 Y Correlated with x?

detrending = Put in t trend take regiderals afternals
differencing =

Xt= X° + V'F + V'F

Lass:

Life = /e-1

Cife = /e-1

Differencing

Ye=Bo+B, Xe+8t+re
Ye=Bo+B, Xe+8t+re
Ladiye=Ye-1=8+B, (Xe-Xe-1)+(le-le-1)