Details on Median rather than mean after log transform mean (log(y)) = bo + b, x mean(log(y|x=1)) - mean(log(y|x=0)) = b,STUCK here b/c mean (log(y)) + log(mean(y)) Now try w/ medians  $Median(log(y)) = b_0 + b_1 \times$ median (log (y1x=1)) - median (log (y1x=0)) = 6.

change order! => log(median(y/x=1)) - log(median(y/x=0)) = 6,  $log\left(\frac{median\left(y|x=1\right)}{median\left(y|x=0\right)}\right)=b,$ 

A ratio of medians!  $\Rightarrow \frac{\text{median}(y|x=1)}{\text{median}(y|x=0)} = e^{b_1}$