

# Statistical Fallacy

IF you do X  
then you increase your  
Chances of dying From  
lung cancer by:

chances  
increase  
by  
A  
Factor  
 $\frac{100}{10}$

X = Smoking

Y = dying of lung cancer

"doing X doubles your chances"

Devil is in the details  
the details

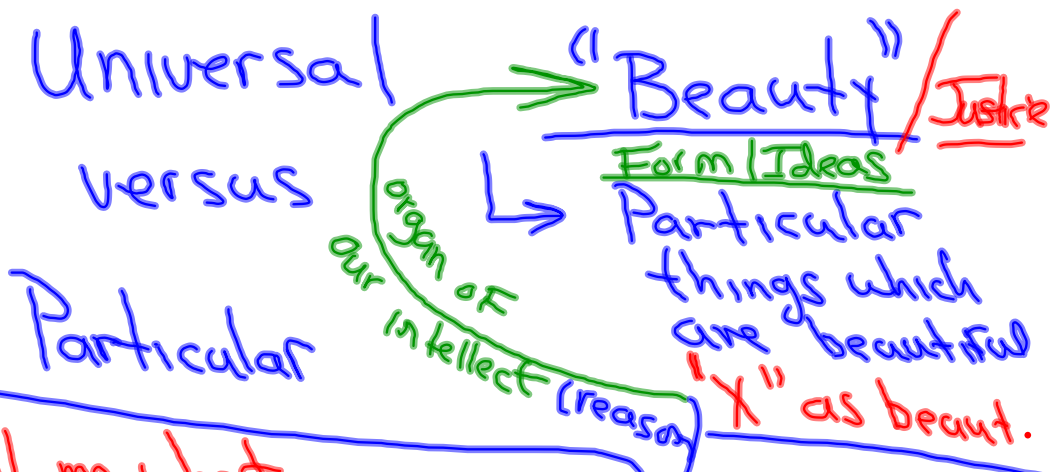
Suppose your chances  
of getting cancer

are  $\frac{1}{3} \left( \frac{2}{3} \right) = \frac{2}{3}$

What are the initial  
"odds"

$$\frac{1}{200} (2) = \frac{2}{200} = \frac{1}{100}$$

Context  
Matter  
Loaded Language



Tell me what  
makes X a "Table"  
and not something else.