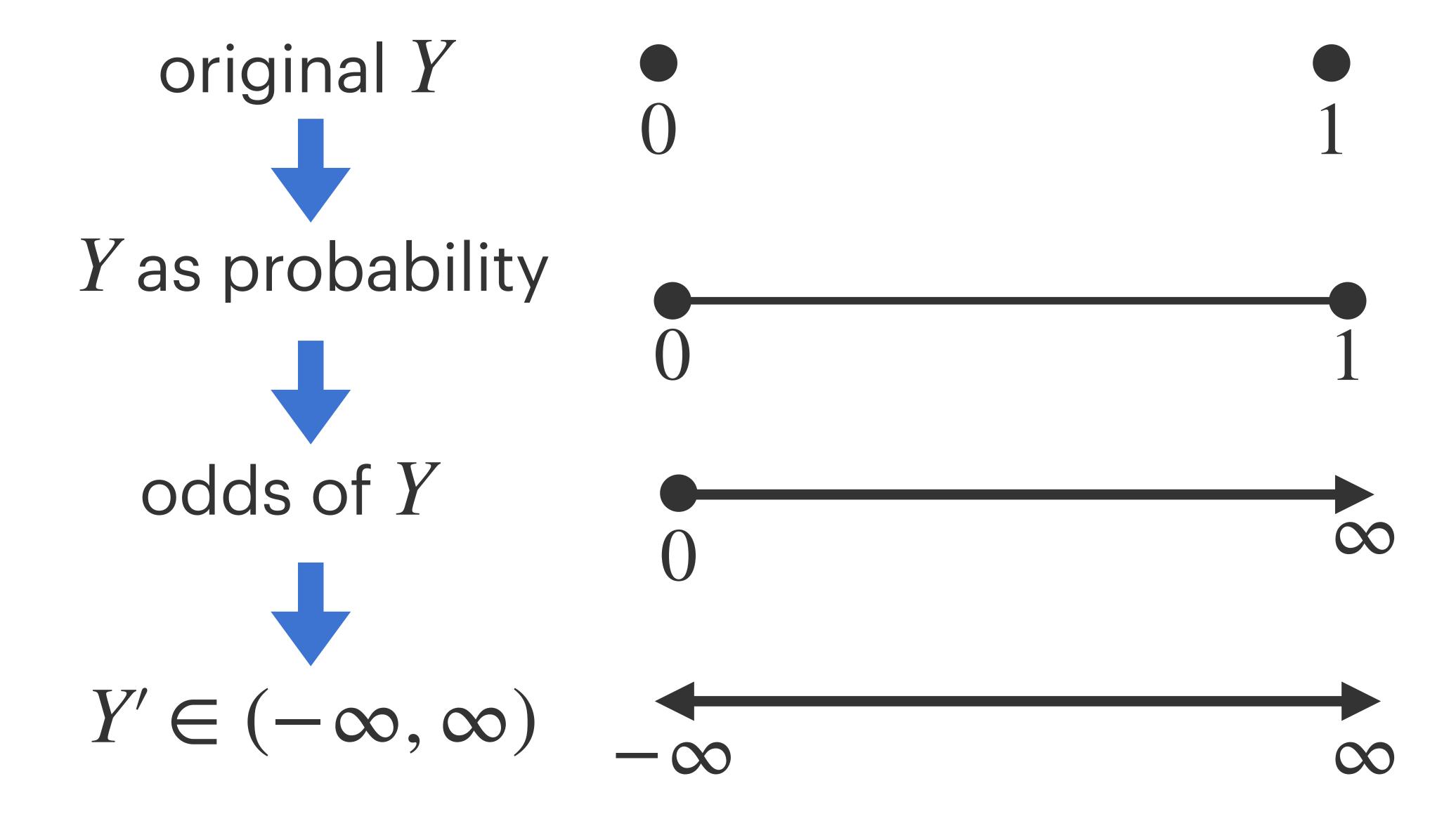
## Redefining The Response



## Logistic Regression

$$y = X\beta$$

our link function is

$$g(x) = \log \frac{x}{1 - x}$$

which has the inverse

$$g^{-1}(x) = \frac{e^x}{1 + e^x}$$

$$y = g^{-1}(X\beta)$$
 general case

specific case