## Why different functional forms?

	Model	Partial effect of X, on Y	Hoer to Gode in R
	y= β0+β1X1+β2X2+ U	$\frac{\partial y}{\partial x_i} = \beta_i$	lm( y~ X1+X2, df)
bg	y = Bo + B1 log X1 + B2X2+4	$\frac{\partial \log \gamma}{\partial \log x_1} \approx \frac{2.25}{2.25} = \beta,$	lm(109(y)~109(x1)+x2,4f,
γ = β + β	$_{1}X_{1} + \beta_{2}X_{1}^{2} + \beta_{3}X_{2} + U$	$\frac{\partial y}{\partial x_1} = \beta_1 + 2\beta_2 \frac{x_1}{x_1}$	Lm(y~X1+1(X,2)+X3,df)
Y= β0+ β1X1	+ \beta_2 \times_2 + \beta_3 \times_1 \times_2 + 4	$\frac{\partial Y}{\partial X_1} = \beta_1 + \beta_2 \frac{X_2}{X_2}$	Lm(Y~X1+X2+X1:X2)